



2021 CATALOG

Tashia[®]

Water is
what
we
live for.



The company was founded in 1986
with the aim of establishing itself in the dosing
and water treatment sectors.

We partner with:

CWP



Tashia®

is a company that specializes in the treatment of drinking water and dosing systems.

We offer our customers advanced solutions, backed up by research, using our own technology and equipment to cover all their needs.

+35 years of experience

+25 professionals



WATER TREATMENT

The extensive experience of our professionals in this sector has enabled us to develop a wide range of our own products ensuring success.



DOSING SYSTEMS

We are specialists in dosing systems. We use R&D to develop and manufacture equipment, as well as recognized distributors. Biopure® is our integral chlorine dioxide solution.



CHEMICAL PRODUCTS

We have a manufacturing division and our own new manufacturing and distribution plant for chemical products involved in water treatment and processes.

Our company, from the management, to engineering and the sales department, to our installation teams, share a passion for guiding, assisting and providing the best possible service for our customers.

The company

Over 30 years of experience in the sector, combined with a constant ambition for renovation and the sound, effective growth of the business, inspire us to provide you with the best service by using market-leading equipment and systems.

Every day, we are paving the way for our future expansion across Spain. Our company, and the whole of our team, are at your disposal.

We offer comprehensive solutions because every one of our customers requires specific care and attention tailored to their needs. For this reason, we try to find the most technically and economically beneficial solutions for each individual case.

The monitoring and quality control of our projects, from the research stage to manufacturing, is the best guarantee of the hard work done by our employees on a daily basis.

DOSING

- 7** Hydraulic dosing pumps
- 19** Hydraulic kits
- 23** Electrical dosing pumps
- 41** Multi-parameter controllers
- 49** Electrical medication
- 57** Electric kits
- 61** Chlorine dioxide generators

WATER TREATMENT

- 69** Cartridge filters
- 77** Multi-layer filters
- 81** Dechlorinators
- 85** Water softeners
- 95** Denitrifiers
- 97** Demineralizers
- 100** Reverse osmosis

DISINFECTION

- 105** Cleaning and disinfection stations
- 110** Disinfection arches

ACCESSORIES AND EXTRAS

- 112** Meters
- 117** Tanks
- 119** Pumps
- 128** Analyzers

TAILOR-MADE SOLUTIONS

- 134** **GENERAL TERMS AND CONDITIONS OF SALE**



DIA 4 RE • 2.5 m³

Injection rate / Dosage réglable : 1 - 4 % [1:100 - 1:25]
/ Débit pratique de fonctionnement : 4.5 l/h
[2.2 - 57 PSI] • Operating pressure / Pression de fonctionnement
[2.2 - 57 PSI] • Concentrated additive injection
• Maximum temperature / Température maximum
THE MANUFACTURER declines all responsibility in event
with the owner's manual. LE FABRICANT décline toute
d'utilisation non conforme au manuel d'utilisation.

CE

DOSATRON INTERNATIONAL S.A.S
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Tel. 33 (0)5 57 97 11 11
e-mail - Info @ dosatron.com



DOSING

hydraulic dosing pumps

DOSATRON®

1/h • 1 - 1 %
100 - 1.25 | Operating head
2.5 m/h 10.02 - 11 |
Normenwert: 0.15 - 1 |
n. 1. Debit offredal |
admin - 0.36 US Gal |
40 °C (104 °F)
of use not covering
responsability of use

OFF

SmartDosing



1 Sign up and follow the smooth running of the treatment process (medication, vaccination, acidification, etc.).

2 Safeguard your treatment processes through "event" and "incident" alerts: empty tank, preventive maintenance, etc.



3 Check the treatment data and smooth running of your SmartDosing thanks to the SmartLink software.

Treatment data:

- Duration and volume
- Water consumption curves
- Alarm log
- Range of temperatures



SmartLink



Treatment schedule:

- Monitoring
- Printing of reports by date

· Statistics
· Agenda
· Alerts



SECTORS



ANIMAL HEALTH LINE:

Equipment for livestock farming: medication, vaccination, acidification through drinking water, decontamination of vehicles, fogging systems...



GREEN LINE:

Fertigation equipment: fertilizing, phytopharmaceutical treatment, pH correction, fumigation, disinfection, flower conservation, post-harvest treatment...



WATER LINE:

Water treatment equipment: purification, remineralization, treatment against Legionella bacterium, network maintenance and disinfection, polymer dosing, odor control...



INDUSTRY LINE:

Equipment for industrial processes with multiple applications: lubrication, refrigeration, cleaning, degreasing, spray, water jet cutting, dosing in the printing process, etc.



INDUSTRY ATEX LINE:

Models designed for the industry, but with ATEX certification to be installed in zones 0 or 20, zones 1 or 21, and zones 2 or 22.



HYGIENE & FOOD LINE:

Equipment for hygiene application in hospitals and for food processing, washing and disinfecting vehicles, and disinfecting surfaces.

NEW

SMART DOSING RANGE

(10 l/h min. - 2.5 m³/h max.)

EXTERNAL ADJUSTMENT						Dosing		Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.	max.	min.	max.
SD25ALS	5SD25ALS5VF	VF	Standard			1 - 5	[1:100 - 1:20]	0.1	125	0.3	6

Code !: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
Dosing precision: +/- 5%.
Head loss: 0.3 - 1.4 bar.
Max. product viscosity: 400 cSt at 20 °C.
Max. height of product suction: 4 m.

GENERAL INFORMATION:

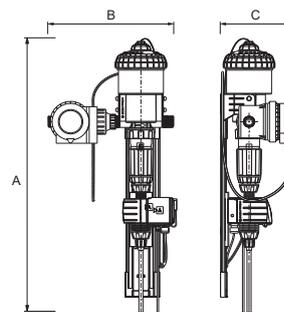
Integrated bypass: accessory.
Injection: internal at outlet.
Motor: differential hydraulic piston.
Cylinder capacity: 0.45 L.
Suction filter: yes.
Input/output connections: 3/4" M BSP.

SEALS:

VF: recommended dosing seals for acidic products.

STANDARD MATERIALS:

Body: polyacetal and EPDM.
Piston, motor: polyurethane, polyethylene, nylon, EPDM and polyacetal.
Dosing part: polypropylene, polyethylene, Hastelloy (valve spring).
Suction pipe: PVC.



DIMENSIONS/MM

Model	A	B	C
SD25ALS	630	307	172

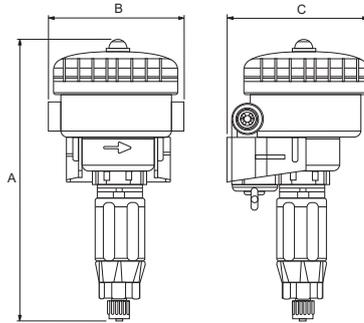


D07 RANGE

(5 l/h min. - 0.7 m³/h max.)

EXTERNAL ADJUSTMENT						Dosing		Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.	max.	min.	max.
D07RE125	5D07RE125AF	AF	Standard			0.15 - 1.25	[1:666 - 1:80]	0.0075	8.75	0.3	6
	5D07RE125AFP	AF	PVDF			0.15 - 1.25	[1:666 - 1:80]	0.0075	8.75	0.3	6
	5D07RE125VF ¹	VF	Standard			0.15 - 1.25	[1:666 - 1:80]	0.0075	8.75	0.3	6
	5D07RE125VFP	VF	PVDF			0.15 - 1.25	[1:666 - 1:80]	0.0075	8.75	0.3	6
D07RE5	5D07RE5AF ¹	AF	Standard			0.8 - 5.5	[1:28 - 1:20]	0.8	38.5	0.3	6
	5D07RE5AFP ¹	AF	PVDF			0.8 - 5.5	[1:28 - 1:20]	0.8	38.5	0.3	6
	5D07RE5VF ¹	VF	Standard			0.8 - 5.5	[1:28 - 1:20]	0.8	38.5	0.3	6
	5D07RE5VFP ¹	VF	PVDF			0.8 - 5.5	[1:28 - 1:20]	0.8	38.5	0.3	6

Code¹: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B	C
D07RE125	244	120	115
D07RE5	244	120	115

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 5%.
 Head loss: 0.3 - 1.4 bar.
 Max. product viscosity: 400 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: yes.
 Injection: internal.
 Motor: hydraulic piston.
 Cylinder capacity: 0.225 L.
 Suction filter: yes.
 Input/output connections: 3/4" M BSP.

SEALS:

AF: recommended dosing seals for alkaline products.
 VF: recommended dosing seals for acidic products.

STANDARD MATERIALS:

Body: polypropylene and EPDM
 Piston, motor: polypropylene, PEEK, stainless steel, Teflon, and HT EPDM.
 Dosing part: polypropylene, polyethylene, Hastelloy (valve spring).
 Suction pipe: PVC.

SPECIAL MATERIALS:

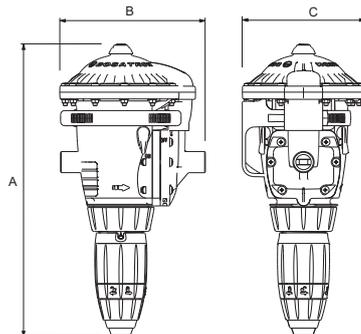
PVDF: special body for aggressive products (check chemical compatibilities).

DIA RANGE

(4.5 l/h min. - 2.5 m³/h max.)

EXTERNAL ADJUSTMENT						Dosing		Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.	max.	min.	max.
DIA4AL	5DIA4ALVF ¹	VF	Standard			1 - 4	[1:100 - 1:25]	0.1	100	0.15	4

Code¹: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B	C
DIA4AL	365	180	152

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 3%.
 Head loss: 0.15 - 1.8 bar.
 Max. product viscosity: 400 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: accessory.
 Injection: internal at the outlet.
 Motor: membrane differential hydraulic piston.
 Cylinder capacity: 0.47 L.
 Suction filter: yes.
 Input/output connections: 3/4" M BSP.

SEALS:

VF: recommended dosing seals for acidic products.

STANDARD MATERIALS:

Body: polypropylene and HT.
 Membrane motor: polypropylene, polyamide, polyacetal, HT, ceramic, PEEK and PVDF.
 Dosing part: polypropylene, polyethylene, PVDF and Hastelloy (valve spring).
 Suction pipe: PVC.

D25 RANGE

(10 l/h min. - 2.5 m³/h max.)

FIXED ADJUSTMENT						Dosing		Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.	max.	min.	max.
D25F02	5D25F02AF	AF	Standard	☑		0.2	[1:500]	0.02	5	0.3	6
	5D25F02VF	VF	Standard	☑		0.2	[1:500]	0.02	5	0.3	6
D25F2	5D25F2AF	AF	Standard	☑		2	[1:50]	0.2	50	0.3	6
	5D25F2AFP	AF	PVDF	☑		2	[1:50]	0.2	50	0.3	6
	5D25F2VF	VF	Standard	☑		2	[1:50]	0.2	50	0.3	6
	5D25F2VFP	VF	PVDF	☑		2	[1:50]	0.2	50	0.3	6
EXTERNAL ADJUSTMENT											
D25RE1500	5D25RE1500AF ¹	AF	Standard	☑		0.07 - 0.2	[1:1500 - 1:500]	0.007	5	0.3	6
	5D25RE1500VF ¹	VF	Standard	☑		0.07 - 0.2	[1:1500 - 1:500]	0.007	5	0.3	6
	5D25RE1500VFP	VF	PVDF	☑		0.07 - 0.2	[1:1500 - 1:500]	0.007	5	0.3	6
D25RE09	5D25RE09AF	AF	Standard	☑		0.1 - 0.9	[1:1000 - 1:112]	0.01	22.5	0.3	6
	5D25RE09VF	VF	Standard	☑		0.1 - 0.9	[1:1000 - 1:112]	0.01	22.5	0.3	6
	5D25RE09VFP	VF	PVDF	☑		0.1 - 0.9	[1:1000 - 1:112]	0.01	22.5	0.3	6
	5D25RE09AO	VF	PVDF	☑	OA	0.1 - 0.9	[1:1000 - 1:112]	0.01	22.5	0.3	6
D25RE2	5D25RE2AF ¹	AF	Standard	☑		0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
	5D25RE2AFP	AF	PVDF	☑		0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
	5D25RE2VAF	AF	Standard	☑	V	0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
	5D25RE2VF ¹	VF	Standard	☑		0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
	5D25RE2VFP ¹	VF	PVDF	☑		0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
	5D25RE2AO	VF	PVDF	☑	OA	0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
D25RE2IE	5D25RE2IEAF	AF	Standard	☑	EI	0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
D25WL2IE	5D25RE2IEAFP	AF	PVDF	☑	EI	0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
	5D25RE2IEVF	VF	Standard	☑	EI	0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
	5D25RE2IEVFP	VF	PVDF	☑	EI	0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
	5D25WL2IEVFPPO	VF	Standard	☑	EI+PO	0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6
	5D25WL2IEVFPPO	VF	PVDF	☑	EI+PO	0.2 - 2	[1:500 - 1:50]	0.02	50	0.3	6

Code 1: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 5%.
 Head loss: 0.3 - 1.4 bar (D100R: 0.3 - 1 bar).
 Max. product viscosity: 400 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: accessory.
 Injection: internal at the inlet.
 Motor: differential hydraulic piston.
 Cylinder capacity: 0.45 L.
 Suction filter: yes.
 Input/output connections: 3/4" M BSP.

SEALS:

AF: recommended dosing seals for alkaline products.
 VF: recommended dosing seals for acidic products.

STANDARD MATERIALS:

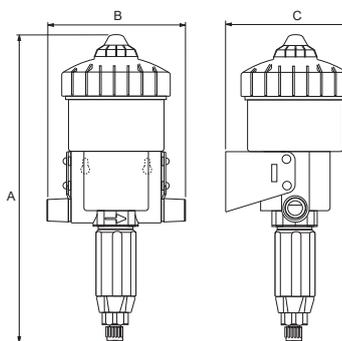
Body: polyacetal and EPDM.
 Piston, motor: polypropylene, polyamide, stainless steel, Viton, Aflas and polyacetal.
 Dosing part: polypropylene, polyethylene, Hastelloy (valve spring).
 Suction pipe: PVC.

SPECIAL MATERIALS:

PVDF: special body for aggressive products (check chemical compatibilities).

KIT:

EI (external injection): recommended for certain corrosive concentrates.
 V: kit of viscous products recommended from 200 cSt.
 OA: (organic acids): recommended for dosing concentrated organic acids.
 OP: recommended for the dosing of polymers.



DIMENSIONS/MM

Model	A	B	C
D25F	339	160	134
D25RE1500	353	160	134
D25RE09	353	160	134
D25RE2	353	160	134
D25RE2IE	353	260	134
D25WL2IE	448	260	134

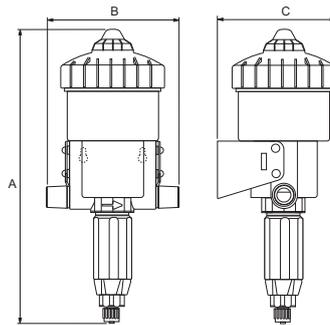


D25 RANGE

(10 l/h min. - 2.5 m³/h max.)

EXTERNAL ADJUSTMENT						Dosing		Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.	max.	min.	max.
D25AL5	5D25AL5NVF ¹	VF	Standard			1 - 5	[1:100 - 1:20]	0.1	125	0.3	6
D25RE5	5D25RE5AF ¹	AF	Standard			1 - 5	[1:100 - 1:20]	0.1	125	0.3	6
	5D25RE5AFP	AF	PVDF			1 - 5	[1:100 - 1:20]	0.1	125	0.3	6
	5D25RE5VAF	AF	Standard		V	1 - 5	[1:100 - 1:20]	0.1	125	0.3	6
	5D25RE5VF ¹	VF	Standard			1 - 5	[1:100 - 1:20]	0.12	125	0.3	6
	5D25RE5VFP	VF	PVDF			1 - 5	[1:100 - 1:20]	0.12	125	0.3	6
	5D25RE5VVF	VF	Standard		V	1 - 5	[1:100 - 1:20]	0.12	125	0.3	6
D25RE5IE	5D25RE5IEAF	AF	Standard		EI	1 - 5	[1:100 - 1:20]	0.12	125	0.3	6
	5D25RE5IEAFP	AF	PVDF		EI	1 - 5	[1:100 - 1:20]	0.12	125	0.3	6
	5D25RE5IEVF	VF	Standard		EI	1 - 5	[1:100 - 1:20]	0.12	125	0.3	6
	5D25RE5IEVFP	VF	PVDF		EI	1 - 5	[1:100 - 1:20]	0.12	125	0.3	6
D25RE10	5D25RE10AF ¹	AF	Standard			3 - 10	[1:33 - 1:10]	0.3	250	0.3	4
	5D25RE10AFP	AF	PVDF			3 - 10	[1:33 - 1:10]	0.3	250	0.3	4
	5D25RE10VAF	AF	Standard		V	3 - 10	[1:33 - 1:10]	0.3	250	0.3	4
	5D25RE10VF ¹	VF	Standard			3 - 10	[1:33 - 1:10]	0.3	250	0.3	4
	5D25RE10VFP	VF	PVDF		V	3 - 10	[1:33 - 1:10]	0.3	250	0.3	4
	5D25RE10VVF	VF	Standard		V	3 - 10	[1:33 - 1:10]	0.3	250	0.3	4
D25RE10IE	5D25RE10IEAF	AF	Standard		EI	3 - 10	[1:33 - 1:10]	0.3	250	0.3	4
	5D25RE10IEAFP	AF	PVDF		EI	3 - 10	[1:33 - 1:10]	0.3	250	0.3	4
	5D25RE10IEVF	VF	Standard		EI	3 - 10	[1:33 - 1:10]	0.3	250	0.3	4
	5D25RE10IEVFP	VF	PVDF		EI	3 - 10	[1:33 - 1:10]	0.3	250	0.3	4

Code ¹: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B	C
D25AL5	440	160	134
D25RE5	440	160	134
D25RE5IE	440	260	134
D25RE10	440	160	134
D25RE10IE	440	260	134

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 5%.
 Head loss: 0.3 - 1.4 bar (D100R: 0.3 - 1 bar).
 Max. product viscosity: 400 cSt at 20°C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: accessory.
 Injection: internal at the inlet.
 Motor: differential hydraulic piston.
 Cylinder capacity: 0.45 L.
 Suction filter: yes.
 Input/output connections: 3/4" M BSP.

SEALS:

AF: dosing seals recommended for alkaline products.
 VF: dosing seals recommended for acidic products.

STANDARD MATERIALS:

Body: polyacetal and EPDM.
 Piston, motor: polypropylene, polyamide, stainless steel, Viton, Aflas and polyacetal.
 Dosing part: polypropylene, polyethylene, Hastelloy (valve spring).
 Suction pipe: PVC.

SPECIAL MATERIALS:

PVDF: special body for aggressive products (check chemical compatibilities).

KIT:

EI (external injection): recommended for certain corrosive concentrates.
 V: kit of viscous products recommended from 200 cSt.
 OA: (organic acids): recommended for dosing concentrated organic acids.

D3 RANGE

(10 l/h min. - 3 m³/h max.)

EXTERNAL ADJUSTMENT						Dosing		Product injection flow rate (l/h)		Working pressure (bar)		
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.	max.	min.	max.	
D3GL3000 D3RE3000	5D3GL3000VF	VF	Standard			0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6	
	5D3RE3000AF	AF	Standard			0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6	
	5D3RE3000VF	VF	Standard			0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6	
	5D3RE3000VFP	VF	PVDF			0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6	
	5D3RE3000VFKP	VF	PVDF			K	0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6
D3GL2 D3RE2	5D3GL2VF ¹	VF	Standard			0.2 - 2	[1:500 - 1:50]	0.02	60	0.3	6	
	5D3RE2AF	AF	Standard			0.2 - 2	[1:500 - 1:50]	0.02	60	0.3	6	
	5D3RE2BPAF	AF	Standard			BP	0.2 - 2	[1:500 - 1:50]	0.02	60	0.3	6
	5D3RE2VF ¹	VF	Standard			0.2 - 2	[1:500 - 1:50]	0.02	60	0.3	6	
	5D3RE2BPVF	VF	Standard			BP	0.2 - 2	[1:500 - 1:50]	0.02	60	0.3	6
	5D3RE2VFP ¹	VF	PVDF			0.2 - 2	[1:500 - 1:50]	0.02	60	0.3	6	
	5D3RE2BPVFP	VF	PVDF			BP	0.2 - 2	[1:500 - 1:50]	0.02	60	0.3	6
	5D3RE2VFKP	VF	PVDF			K	0.2 - 2	[1:500 - 1:50]	0.02	60	0.3	6
D3GL5 D3RE5	5D3GL5VF ¹	VF	Standard			0.5 - 5	[1:200 - 1:20]	0.05	150	0.3	6	
	5D3RE5AF	AF	Standard			0.5 - 5	[1:200 - 1:20]	0.05	150	0.3	6	
	5D3RE5BPAF	AF	Standard			BP	0.5 - 5	[1:200 - 1:20]	0.05	150	0.3	6
	5D3RE5VF ¹	VF	Standard			0.5 - 5	[1:200 - 1:20]	0.05	150	0.3	6	
	5D3RE5BPVF	VF	Standard			BP	0.5 - 5	[1:200 - 1:20]	0.05	150	0.3	6
	5D3RE5VFP	VF	PVDF			0.5 - 5	[1:200 - 1:20]	0.05	150	0.3	6	
	5D3RE5VVF ¹	VF	Standard			V	0.5 - 5	[1:200 - 1:20]	0.05	150	0.3	6
	5D3RE5BPVFP	VF	PVDF			BP+V	0.5 - 5	[1:200 - 1:20]	0.05	150	0.3	6
	5D3RE5VFKP	VF	PVDF			K	0.5 - 5	[1:200 - 1:20]	0.05	150	0.3	6
D3GL10 D3RE10	5D3GL10VF ¹	VF	Standard			1 - 10	[1:100 - 1:10]	0.1	300	0.5	6	
	5D3RE10AF	AF	Standard			1 - 10	[1:100 - 1:10]	0.1	300	0.5	6	
	5D3RE10BPAF	AF	Standard			BP	1 - 10	[1:100 - 1:10]	0.1	300	0.5	6
	5D3RE10AFP	AF	PVDF			1 - 10	[1:100 - 1:10]	0.1	300	0.5	6	
	5D3RE10VF ¹	VF	Standard			1 - 10	[1:100 - 1:10]	0.1	300	0.5	6	
	5D3RE10BPVF	VF	Standard			BP	1 - 10	[1:100 - 1:10]	0.1	300	0.5	6
	5D3RE10VFP ¹	VF	PVDF			1 - 10	[1:100 - 1:10]	0.1	300	0.5	6	
	5D3RE10VVF ¹	VF	Standard			V	1 - 10	[1:100 - 1:10]	0.1	300	0.5	6
	5D3RE10BPVFP	VF	PVDF			BP	1 - 10	[1:100 - 1:10]	0.1	300	0.5	6
5D3RE10VFKP	VF	PVDF			K	1 - 10	[1:100 - 1:10]	0.1	300	0.5	6	
D3RE25IE²	5D3RE25IEAF ¹	AF	Standard			EI	5 - 25	[1:20 - 1:4]	0.5	500	0.5	4
	5D3RE25IEAFP	AF	PVDF			EI	5 - 25	[1:20 - 1:4]	0.5	500	0.5	4
	5D3RE25IEVAF	AF	Standard			EI+V	5 - 25	[1:20 - 1:4]	0.5	500	0.5	4
	5D3RE25IEVF ¹	VF	Standard			EI	5 - 25	[1:20 - 1:4]	0.5	500	0.5	4
	5D3RE25IEVFP ¹	VF	PVDF			EI	5 - 25	[1:20 - 1:4]	0.5	500	0.5	4
	5D3RE25IEVVF ¹	VF	Standard			EI+V	5 - 25	[1:20 - 1:4]	0.5	500	0.5	4

Code 1: Models usually in stock. For other models, please check the delivery time.

Code 2: This model has a maximum flow rate of 2 m³/h.

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 5%.
 Head loss: 0.2 - 2.3 bar.
 Max. product viscosity: 800 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: accessory.
 Injection: internal at the outlet.
 Motor: differential hydraulic piston.
 Cylinder capacity: 0.53 L.
 Suction filter: yes.
 Input/output connections: 3/4" M BSP.

SEALS:

AF: dosing seals recommended for alkaline products.
 VF: dosing seals recommended for acidic products.
 K: recommended for concentrated acids (check)

STANDARD MATERIALS:

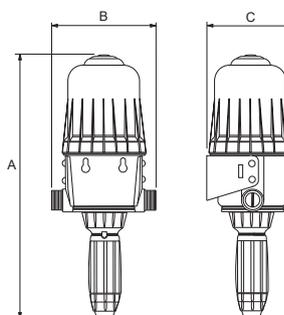
Body: polypropylene and HT.
 Piston, motor: polypropylene, polyamide, VF or HT, PEEK and PVDF.
 Dosing part: polypropylene, polyethylene, Hastelloy (valve spring).
 Suction pipe: PVC.

SPECIAL MATERIALS:

PVDF: special body for aggressive products (check chemical compatibilities).

KITS:

EI (external injection): recommended for certain corrosive concentrates.
 BP: Integrated bypass; product suction on and off system.
 V: kit of viscous products recommended from 200 cSt.
 K: kit of corrosive acidic products (> 15%).



DIMENSIONS/MM

Model	A	B	C
D3RE3000	474	160	134
D3RE2	474	160	134
D3RE5	485	160	134
D3RE10	485	160	134
D3RE25IE	663	260	134



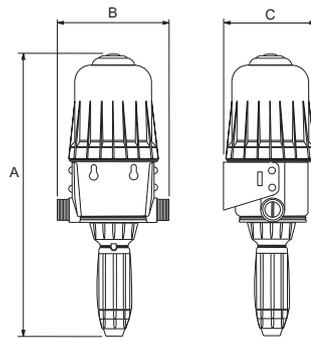
NEW

D3 RANGE

(10 l/h min. - 3 m³/h max.)

EXTERNAL ADJUSTMENT						Dosing		Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.	max.	min.	max.
D3IL3000EX	5D3IL3000EXAF	AF	Standard	Ex		0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6
	5D3IL3000EXVF	VF	Standard	Ex		0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6
	5D3IL3000EXVFK	VF	Standard	Ex	K	0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6
D3WL3000	5D3WL3000AF	AF	Standard	Blue		0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6
	5D3WL3000NAF	AF	Standard	Blue	N	0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6
	5D3WL3000VF	VF	Standard	Blue		0.03 - 0.3	[1:3000-1:333]	0.003	9	0.3	6
D3WL3000VFKP	5D3WL3000VFKP	VF	PVDF	Blue	K	0.03 - 0.3	[1:3000-1:333]	0.003	9	0.5	6
	5D3WL3000IEAF	AF	Standard	Blue	EI	0.03 - 0.3	[1:3000-1:333]	0.003	9	0.5	6
	5D3WL3000NIEAF	AF	Standard	Blue	EI+N	0.03 - 0.3	[1:3000-1:333]	0.003	9	0.5	6
D3IL2EX	5D3IL2EXAF	AF	Standard	Ex		0.2 - 2	[1:500-1:50]	0.02	60	0.3	6
	5D3IL2EXVF	VF	Standard	Ex		0.2 - 2	[1:500-1:50]	0.02	60	0.3	6
	5D3IL2EXVFK	VF	Standard	Ex	K	0.2 - 2	[1:500-1:50]	0.02	60	0.3	6
	5D3IL2EXVVF	VF	Standard	Ex	V	0.2 - 2	[1:500-1:50]	0.02	60	0.3	6
D3WL2	5D3WL2AF	AF	Standard	Blue		0.2 - 2	[1:500-1:50]	0.02	60	0.3	6
	5D3WL2NAF	AF	Standard	Blue	N	0.2 - 2	[1:500-1:50]	0.02	60	0.3	6
	5D3WL2VF	VF	Standard	Blue		0.2 - 2	[1:500-1:50]	0.02	60	0.3	6
	5D3WL2VFKP	VF	PVDF	Blue	K	0.2 - 2	[1:500-1:50]	0.02	60	0.3	6
D3IL5EX	5D3IL5EXAF	AF	Standard	Ex		0.5 - 5	[1:200-1:20]	0.05	150	0.3	6
	5D3IL5EXVF	VF	Standard	Ex		0.5 - 5	[1:200-1:20]	0.05	150	0.3	6
	5D3IL5EXVFK	VF	Standard	Ex	K	0.5 - 5	[1:200-1:20]	0.05	150	0.3	6
	5D3IL5EXVVF	VF	Standard	Ex	V	0.5 - 5	[1:200-1:20]	0.05	150	0.3	6
D3IL10EX	5D3IL10EXAF	AF	Standard	Ex		1 - 10	[1:100-1:10]	0.1	300	0.5	6
	5D3IL10EXVF	VF	Standard	Ex		1 - 10	[1:100-1:10]	0.1	300	0.5	6
	5D3IL10EXVFK	VF	Standard	Ex	K	1 - 10	[1:100-1:10]	0.1	300	0.5	6
	5D3IL10EXVVF	VF	Standard	Ex	V	1 - 10	[1:100-1:10]	0.1	300	0.5	6

Code 1: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B	C
D3IL3000EX	474	160	134
D3WL3000	474	160	134
D3WL3000IE	558	260	134
D3IL2EX	474	160	134
D3WL2	474	160	134
D3IL5EX	485	160	134
D3IL10EX	485	160	134

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 5%.
 Head loss: 0.2 - 2.3 bar.
 Max. product viscosity: 800 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: accessory.
 Injection: internal at the outlet.
 Motor: differential hydraulic piston.
 Cylinder capacity: 0.53 L.
 Suction filter: yes.
 Input/output connections: 3/4" M BSP.

SEALS:

AF: dosing seals recommended for alkaline products.
 VF: dosing seals recommended for acidic products.
 K: recommended for concentrated acids (check)

STANDARD MATERIALS:

Body: polypropylene and HT.
 Piston, motor: polypropylene, polyamide, VF or HT, PEEK and PVDF.
 Dosing part: polypropylene, polyethylene, Hastelloy (valve spring).
 Suction pipe: PVC.

SPECIAL MATERIALS:

PVDF: special body for aggressive products (check chemical compatibilities).

KIT:

EI (external injection): recommended for certain corrosive concentrates.
 BP: Integrated bypass; product suction on and off system.
 V: kit of viscous products recommended from 200 cSt.
 K: kit of corrosive acidic products (> 15%).
 N: drinking water certification.

D45 RANGE

(100 l/h min. - 4.5 m³/h max.)

EXTERNAL ADJUSTMENT						Dosing		Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.	max.	min.	max.
D45RE3000	5D45RE3000AF	AF	Standard			0.03 - 0.3	[1:3000 - 1:333]	0.03	4.5	0.5	5
	5D45RE3000VF	VF	Standard			0.03 - 0.3	[1:3000 - 1:333]	0.03	4.5	0.5	5
D45RE15	5D45RE15AF	AF	Standard			0.2 - 1.5	[1:500 - 1:66]	0.2	67.5	0.5	5
	5D45RE15AFP	AF	PVDF			0.2 - 1.5	[1:500 - 1:66]	0.2	67.5	0.5	5
	5D45RE15VF ¹	VF	Standard			0.2 - 1.5	[1:500 - 1:66]	0.2	67.5	0.5	5
	5D45RE15VFP	VF	PVDF			0.2 - 1.5	[1:500 - 1:66]	0.2	67.5	0.5	5
D45REIE15	5D45REIE15AF	AF	Standard		EI	0.2 - 1.5	[1:500 - 1:66]	0.2	67.5	0.5	5
	5D45REIE15VF	VF	Standard		EI	0.2 - 1.5	[1:500 - 1:66]	0.2	67.5	0.5	5
D45RE3	5D45RE3AF	AF	Standard			0.5 - 3	[1:200 - 1:33]	0.5	135	0.5	5
	5D45RE3AFP	AF	PVDF			0.5 - 3	[1:200 - 1:33]	0.5	135	0.5	5
	5D45RE3VF ¹	VF	Standard			0.5 - 3	[1:200 - 1:33]	0.5	135	0.5	5
	5D45RE3VFP	VF	PVDF			0.5 - 3	[1:200 - 1:33]	0.5	135	0.5	5
D45REIE3	5D45REIE3AF	AF	Standard		EI	0.5 - 3	[1:200 - 1:33]	0.5	135	0.5	5
	5D45REIE3AFP	AF	PVDF		EI	0.5 - 3	[1:200 - 1:33]	0.5	135	0.5	5
	5D45REIE3VF ¹	VF	Standard		EI	0.5 - 3	[1:200 - 1:33]	0.5	135	0.5	5
	5D45REIE3VFP	VF	PVDF		EI	0.5 - 3	[1:200 - 1:33]	0.5	135	0.5	5
D45RE8	5D45RE8AF	AF	Standard			3 - 8	[1:33 - 1:12.5]	3	360	0.5	5
	5D45RE8AFP	AF	PVDF			3 - 8	[1:33 - 1:12.5]	3	360	0.5	5
	5D45RE8VF	VF	Standard			3 - 8	[1:33 - 1:12.5]	3	360	0.5	5
	5D45RE8VFP	VF	PVDF			3 - 8	[1:33 - 1:12.5]	3	360	0.5	5
D45REIE8	5D45REIE8AF	AF	Standard		EI	3 - 8	[1:33 - 1:12.5]	3	360	0.5	5
	5D45REIE8AFP	AF	PVDF		EI	3 - 8	[1:33 - 1:12.5]	3	360	0.5	5
	5D45REIE8VF	VF	Standard		EI	3 - 8	[1:33 - 1:12.5]	3	360	0.5	5
	5D45REIE8VFP	VF	PVDF		EI	3 - 8	[1:33 - 1:12.5]	3	360	0.5	5

Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 5%.
 Head loss: 0.1 - 1.7 bar.
 Max. product viscosity: 400 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: yes.
 Injection: internal, halfway through cycle.
 Motor: differential hydraulic piston.
 Cylinder capacity: 0.8 l.
 Suction filter: yes.
 Input/output connections: 1 1/4" M BSP.

SEALS:

AF: dosing seals recommended for alkaline products.
 VF: recommended dosing seals for acidic products.

STANDARD MATERIALS:

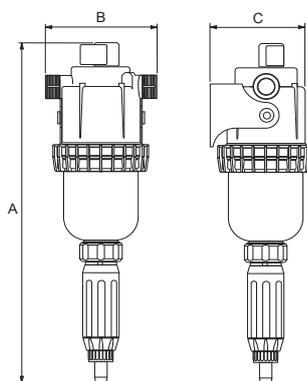
Body: polyacetal and EPDM.
 Piston, motor: polypropylene, polyamide, stainless steel, Aflas and polyacetal.
 Dosing part: polypropylene, polyethylene, stainless steel and Hastelloy (valve spring).
 Suction pipe: PVC.

SPECIAL MATERIALS:

PVDF: special body for aggressive products (check chemical compatibilities).

KIT:

EI (external injection): recommended for certain corrosive concentrates.



DIMENSIONS/MM

Model	A	B	C
D45RE	474	180	154

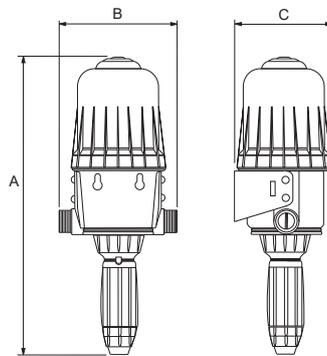


D8 RANGE

(500 l/h min. - 8 m³/h max.)

EXTERNAL ADJUSTMENT					Dosing		Product injection flow rate (l/h)		Working pressure (bar)		
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.,	max.,	min.,	max.,
D8IL3000	5D8IL3000EXAF	AF	Standard	Ex		0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
	5D8IL3000EXVF	VF	Standard	Ex		0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
	5D8IL3000EXVFK	VF	Standard	Ex	K	0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
D8WL3000	5D8WL3000AF	AF	Standard	Water		0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
	5D8WL3000NAF	AF	Standard	Water	N	0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
	5D8WL3000VF	VF	Standard	Water		0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
	5D8WL3000VFK	VF	Standard	Water	K	0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
D8WL3000IE	5D8WL3000IEAF	AF	Standard	Water	EI	0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
	5D8WL3000NIEAF	AF	Standard	Water	EI+N	0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
D8RE3000	5D8RE3000AF	VF	Standard	Water, Oil		0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
	5D8RE3000VF	VF	Standard	Water, Oil		0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
	5D8RE3000VFK	VF	Standard	Water, Oil	K	0.03 - 0.125	[1:3000 - 1:800]	0.16	10	0.15	8
D8IL2EX	5D8IL2EXAF	AF	Standard	Ex		0.2 - 2	[1:500 - 1:50]	1	160	0.15	8
	5D8IL2EXVF	VF	Standard	Ex		0.2 - 2	[1:500 - 1:50]	1	160	0.15	8
D8RE2	5D8RE2AF	AF	Standard	Water, Oil		0.2 - 2	[1:500 - 1:50]	1	160	0.15	8
	5D8RE2VF ¹	VF	Standard	Water, Oil		0.2 - 2	[1:500 - 1:50]	1	160	0.15	8
D8IL5EX	5D8IL5EXAF	AF	Standard	Ex		1 - 5	[1:100 - 1:20]	5	400	0.15	8
	5D8IL5EXVF	VF	Standard	Ex		1 - 5	[1:100 - 1:20]	5	400	0.15	8
D8RE5	5D8RE5AF	AF	Standard	Water, Oil		1 - 5	[1:100 - 1:20]	5	400	0.15	8
	5D8RE5VF ¹	VF	Standard	Water, Oil		1 - 5	[1:100 - 1:20]	5	400	0.15	8

Code¹: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B	C
D8IL3000	667	218	190
D8WL3000	667	218	190
D8WL3000IE	706	367	190
D8RE3000	669	218	190
D8IL3EX	642	218	190
D8RE2	642	218	190
D8IL5EX	659	218	190
D8RE5	659	218	190

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 5%.
 Head loss: 0.2 - 1.7 bar.
 Max. product viscosity: 400 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: accessory.
 Injection: internal at outlet.
 Motor: differential hydraulic piston.
 Cylinder capacity: 1.7 l.
 Suction filter: yes.
 Input/output connections: 1 1/2" M BSP.

SEALS:

AF: recommended dosing seals for alkaline products.
 VF: recommended dosing seals for acidic products.
 K: recommended for concentrated acids (check).

STANDARD MATERIALS:

Body: polyacetal and EPDM.
 Piston, motor: polyurethane, polyethylene, nylon, EPDM and polyacetal.
 Dosing part: polypropylene, polyethylene and Hastelloy (valve spring).
 Suction pipe: PVC.

KIT:

EI (external injection): recommended for certain corrosive concentrates.
 K: kit of corrosive acidic products (> 15%).
 N: drinking water certification.

D9 RANGE

(500 l/h min. - 9 m³/h max.)

EXTERNAL ADJUSTMENT					Dosing			Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials		Kit	%	Ratio	min.	max.	min.	max.
D9AL2	5D9AL2VF	VF	Standard			0.2 - 2	[1:500 - 1:50]	1	180	0.3	8
D9GL2	5D9GL2BPFV ¹	VF	Standard		BP	0.2 - 2	[1:500 - 1:50]	1	180	0.3	8
D9GL5	5D9GL5BPFV	VF	Standard		BP	1 - 5	[1:100 - 1:20]	5	450	0.5	8

Code¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 5%.
 Head loss: 0.3 - 1.6 bar.
 Max. product viscosity: 400 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: accessory.
 Injection: internal at outlet.
 Motor: differential hydraulic piston.
 Cylinder capacity: 1.7 l.
 Suction filter: yes.
 Input/output connections: 1 1/2" M BSP.

SEALS:

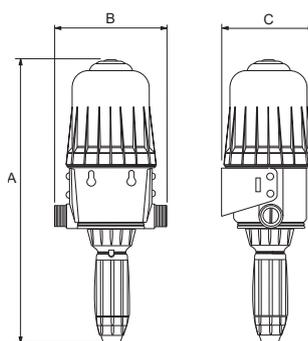
VF: recommended dosing seals for acidic products.

STANDARD MATERIALS:

Body: polypropylene and HT.
 Piston, motor: polypropylene, polyamide, VF or HT, PEEK and PVDF.
 Dosing part: polypropylene, polyethylene, Hastelloy (valve spring).
 Suction pipe: PVC.

KIT:

BP: Integrated bypass; product suction on and off system.



DIMENSIONS/MM

Model	A	B	C
D9AL	642	218	190
D9GL2	642	218	190
D9GL5	659	218	190



D20 RANGE

(1 m³/h min. - 20 m³/h max.)

EXTERNAL ADJUSTMENT					Dosing			Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials		Kit	%	Ratio	min.	max.	min.	max.
D20	5D20WL2	VF	Standard			0.2 - 2	[1:500 - 1:50]	2	400	0.12	10
	5D20GL2VF ¹	VF	Standard			0.2 - 2	[1:500 - 1:50]	2	400	0.12	10
	5D20SVF	VF	Standard			0.2 - 2	[1:500 - 1:50]	2	400	0.12	10

Code¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 5%.
 Head loss: 0.12 - 0.88 bar.
 Max. product viscosity: 400 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

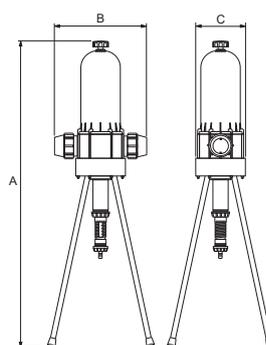
Integrated bypass: yes.
 Injection: internal at outlet.
 Motor: differential hydraulic piston.
 Cylinder capacity: 5 L.
 Suction filter: yes.
 Integrated motor filter: inlet mesh.
 Input/output connections: DN63.
 Stand: yes.

SEALS:

VF: dosing seals recommended for acidic products.

STANDARD MATERIALS:

Body: polypropylene, PVC and aluminum.
 Piston, motor: polypropylene, polyamide, EPDM, and stainless steel.
 Dosing part: polypropylene, polyethylene, and PVC.
 Suction pipe: PVC.



DIMENSIONS/MM

Model	A	B	C
D20	1355	380	215

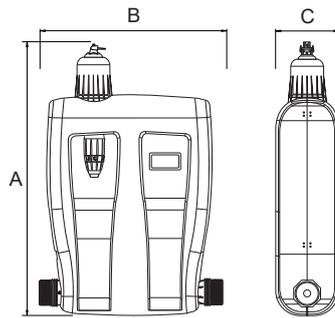


D30 range

(8 m³/h - 30 m³/h)

EXTERNAL ADJUSTMENT						Dosing		Product injection flow rate (l/h)		Working pressure (bar)	
Model	Code	Seals	Materials	Sector	Kit	%	Ratio	min.	max.	min.	max.
D30GL	5D30GL02VF	VF	Standard			0.02 - 0.2	[1:5000 - 1:500]	1.6	60	0.5	6
	5D30GL02ECVF	VF	Standard		EC	0.02 - 0.2	[1:5000 - 1:500]	1.6	60	0.5	6
	5D30GL1VF	VF	Standard			0.1 - 1	[1:1000 - 1:100]	8	300	0.5	6
	5D30GL1ECVF	VF	Standard		EC	0.1 - 1	[1:1000 - 1:100]	8	300	0.5	6

Code !: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B	C
D30GL	913	652	223

CHARACTERISTICS:

Fluid temp.: from 5 °C to 40 °C.
 Dosing precision: +/- 10%.
 Head loss: 0.40 - 1.80 bar.
 Max. product viscosity: 400 cSt at 20 °C.
 Max. height of product suction: 4 m.

GENERAL INFORMATION:

Integrated bypass: yes.
 Injection: internal at outlet.
 Motor: differential hydraulic piston.
 Cylinder capacity: 0.53 L.
 Suction filter: yes.
 Integrated motor filter: no.
 Injection valve: yes.
 Input/output connections: DN80.

SEALS:

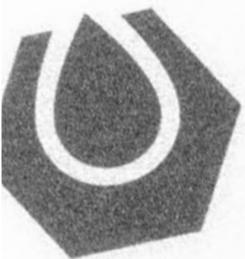
VF: dosing seals recommended for acidic products.

STANDARD MATERIALS:

Body: polypropylene and HT.
 Piston, motor: polypropylene, polyamide, EPDM and Hastelloy.
 Dosing part: polypropylene, polyethylene, and PVC.
 Suction pipe: PVC.

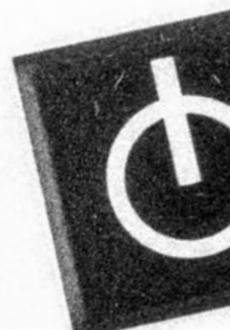
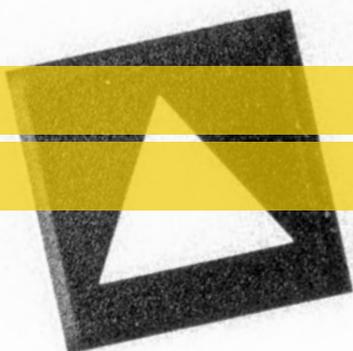
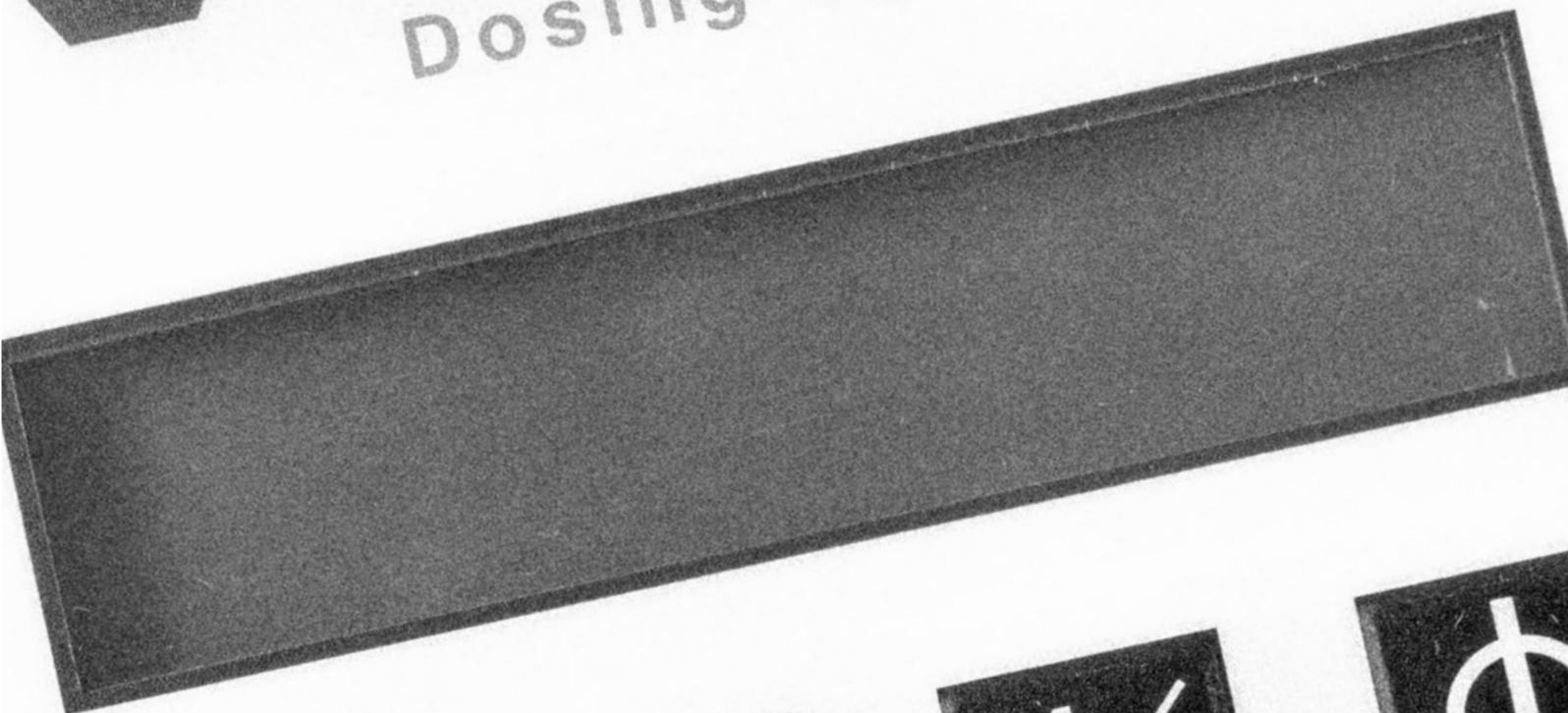
KIT:

EC: conductivity sensor.



Tashia[®]

Dosing Systems



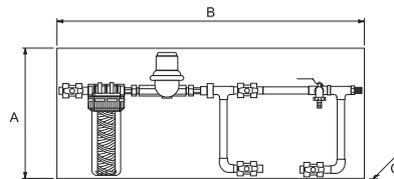
DOSING
hydraulic kits

DISTRIBUTION MD PANEL

Pre-assembled distribution panels to facilitate the installation of medium and low-range hydraulic dosing pumps.

Model	Code	Thread in inches	Meter model	Cartridge filter	Tap
MD 25/120-C	17020025	3/4	120-C 20.115	CART9PL	X
MD 25/620-C	17020125	3/4	620-C 20.190	CART9PL	X
MDS 32/25	17021032	1		CART9FA	X
MDS BP25/S	17025025	3/4			
MDS BP25/VLL	17025125	3/4			X

* Does not include hydraulic dosing pumps.



DIMENSIONS/MM

Model	A	B	C
MD 25/120-C	350	1000	185
MD 25/620-C	450	1000	185
MDS 32/25	350	800	195
MDS BP25/S	350	500	160
MDS BP25/VLL	350	500	110

CHARACTERISTICS:

Working pressure: from 0.1 to 8 bar.
Temperature: from 1 to 50 °C.

GENERAL MATERIAL DATA:

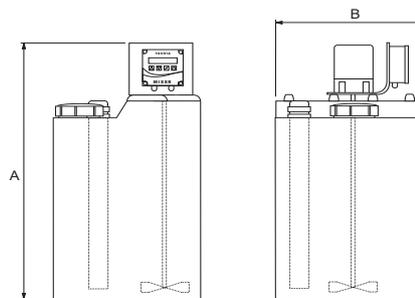
PVC pipes, fittings, and valves.
White PVC support panel.
Integrated bypass.
FP3 transparent filter container.
Meter, filter, and tap connection included according to model.
Pulse emitter or data for models with meter (optional).

MIXING MIXER

Mixing equipment to ensure a uniform concentration during the dispensing time that is adjustable via a digital timer.



Model	Code	Capacity in liters	Voltage	Power
MIXER D75/230	17050075	75	230 Vac	70 W
MIXER ECO-D75/230	17040075	75	230 Vac	70 W
MIXER ECO-D75/12	17041075	75	12 Vdc	30 W

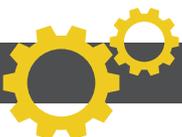


GENERAL MATERIAL DATA:

Tank in polyethylene.
PVC suction line.
Anti-foaming grade-316 stainless-steel propeller.
Low-speed mixing with a gear motor.
Adjustable mixing timing.
Protection: IP65.
The average energy consumption of the 12 Vdc motors is 12 W.

DIMENSIONS/MM

Model	A	B
MIXER D75/230	700	490
MIXER ECO-D75	680	490
MIXER D75/12	680	490



WE DESIGN, MANUFACTURE AND INSTALL TAILOR-MADE PANELS ACCORDING TO OUR CLIENTS' NEEDS.

NEW

Mixing equipment to ensure a uniform concentration during the dispensing time, which can be adjusted using a digital timer. Features a cleaning system for the tank and a suction set.

**MIXING
MIXER CLEAN**

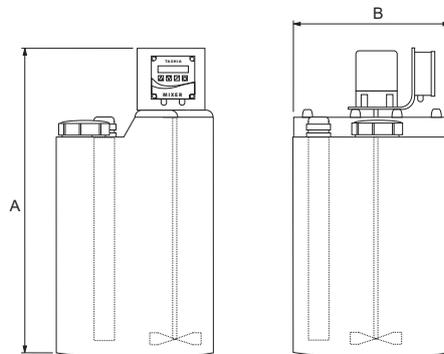
Model	Code	Capacity in liters	Voltage	Power
MIXER D125C/230	17051125	125	230 Vac	70 W
MIXER D260C/230	17051260	260	230 Vac	70 W
MIXER ECO-D125C/230	17042125	125	230 Vac	70 W
MIXER ECO-D260C/230	17042260	260	230 Vac	70 W
MIXER D125C/12	17043125	125	12 Vdc	30 W
MIXER D260C/12	17043260	260	12 Vdc	30 W

GENERAL MATERIAL DATA:

Tank in polyethylene.
 PVC suction line.
 Anti-foaming grade-316 stainless-steel propeller.
 Low-speed mixing with a gear motor.
 Continuous cleaning system.
 Bottom cap for quick emptying.
 Adjustable mixing timing.
 Protection: IP65.
 The average energy consumption of the 12 Vdc motors is 12 W.

DIMENSIONS/MM

Model	A	B
MIXER D125C	910	490
MIXER D260C	950	700



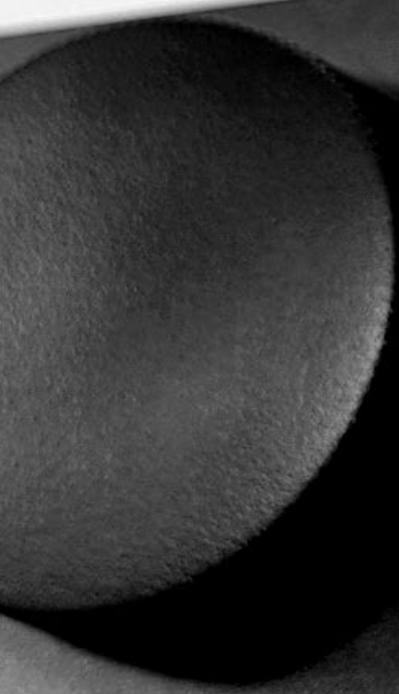
ACCESSORIES

Model	Code	Description
MIXER OUT32 ¹	17059910	Mixer Clean outlet with 1" valve
MIXER L ²	17059900	Stainless-steel dosing pumps support for MIXER
BP25 FLEX	17991016	Flexible bypass 25 kit for Dosatron in PVC
KRED20	17020000	MD/PT panel 1/2" pressure reducer kit
KRED25	17020001	MD/PT panel 3/4" pressure reducer kit
KRED32	17020002	MD/PT panel 1" pressure reducer kit

Code ¹: Only compatible with Mixer Clean.
 Code ²: Not compatible with Mixer Clean.



Operation **HALT**
7.50 l/h
Manual 60min Q



100%

DDA
GRU





DOSING

electrical dosing pumps

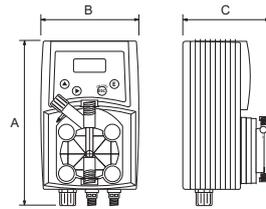


**VCO
CONSTANT**



Constant dosing pump adjustable from 0 to 100% of the nominal flow rate and with a turn-down ratio of 10.

Model	Code	Flow rate (l/h)	Max. p. (bar)	Flow rate x injection	Material
VCO 1004 K PV	10017059	4	10	0.37	PVDF
VCO 1002 K APG	10017099	2	10	0.19	PVDF
VCO 1004 K PV CC	10017159	4	10	0.37	PVDF



DIMENSIONS/MM

Model	A	B	C
VCO	107	210	126

CHARACTERISTICS:

Supply voltage: 230 Vac ± 15%, 50/60 Hz or 12 Vdc ± 15% (CC models).
Power: 16 W.
Noise level: ± 74 dB(A).
Max. height of suction: 1.5 m.
Working temperature: 0 - 45 °C.

GENERAL INFORMATION:

Motor: electromagnetic.
Injections per minute: 180.
Protection: IP65.
Auto-deaeration head (only APG models).

Suction filter: yes.
Divider: yes (10:1).
Suction connections: transparent PVC 4x6 mm pipe.
Propulsion connections: natural PE 4x6 mm pipe.

MATERIALS:

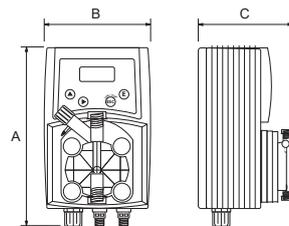
Case: PPO.
Membrane: PTFE.
Spring: HASTELLOY C276.
Body of the pump: PVDF.
Foot valve: PVDF.
Injection valve: PVDF.
Valve balls: ceramic.
Seals: Viton.

**VMS MF
DIGITAL**



Multifunction proportional/constant dosing pump controlled through external pulses and through different adjustable programs.

Model	Code	Flow rate (l/h)	Max. p. (bar)	Flow rate x injection	Materials
VMS MF 1004 K PV	10017259	4	10	0.37	PVDF
VMS MF 1002 K APG	10017299	2	10	0.19	PVDF
VMS MF 1004 K PV DC	10017359	4	10	0.37	PVDF



DIMENSIONS/MM

Model	A	B	C
VMS MF	107	210	126

CHARACTERISTICS:

Supply voltage: 230 Vac ± 15%, 50/60 Hz or 12 Vdc ± 15% (CC models).
Power: 16 W.
Noise level: ± 74 dB(A).
Max. height of suction: 1.5 m.
Working temperature: 0 - 45 °C.

GENERAL INFORMATION:

Programs: constant, divider, multiplier, percentage, ppm, MLQ and batch.
Motor: electromagnetic.
Injections per minute: 180.
Protection: IP65.
Auto-deaeration head (only APG models).

Suction filter: yes.
Suction connections: transparent PVC 4x6 mm pipe.
Propulsion connections: natural PE 4x6 mm pipe.

MATERIALS:

Case: PPO.
Membrane: PTFE.
Spring: HASTELLOY C276.
Body of the pump: PVDF.
Foot valve: PVDF.
Injection valve: PVDF.
Valve balls: ceramic.
Seals: Viton.

Multifunction proportional/constant dosing pump controlled through external pulses and through different adjustable programs.

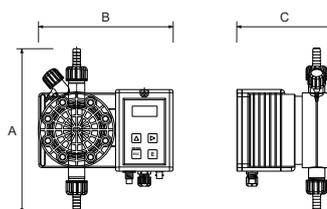
TMS MF DIGITAL

Model	Code	Flow rate (l/h)	Max. p. (bar)	Flow rate x injection	Materials
TMS MF 0330 PV	10018039	30	3	4.20	PVDF
TMS MF 0230 PV CC	10018139	30	2	4.20	PVDF

CHARACTERISTICS:
 Supply voltage: 230 Vac ± 8%, 50/60 Hz or 12 Vdc ± 10% (CC models).
 Peak consumption: 1.6 A.
 Noise level: ± 74 dB(A).
 Max. height of suction: 1.5 m.
 Working temperature: 0 - 45 °C.

Protection: IP65.
 Suction filter: yes.
 Suction connections: transparent PVC 8x12 mm pipe.
 Propulsion connections: natural PVDF 8x10 mm pipe.

MATERIALS:
 Case: PP.
 Membrane: PTFE.
 Body of the pump: PVDF.
 Foot valve: PVDF.
 Injection valve: PVDF.
 Valve balls: ceramic.
 Seals: Viton.



DIMENSIONS/MM

Model	A	B	C
TMS MF	222	222	160



NEW

Multifunction membrane dosing pump with proportional/constant stepper motor, controlled through external pulses and through different adjustable programs.

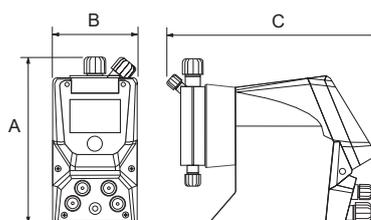
PRISMA DIGITAL

Model	Code	Flow rate (l/h)	Max. p. (bar)	Flow rate x injection	Materials
PRISMA 0528 PV	10018238	28	5	2.59	PVDF
PRISMA 0280 PV	10018239	80	2	7.41	PVDF
PRISMA 0528 PV CC	10018338	28	5	2.59	PVDF
PRISMA 0280 PV CC	10018339	80	2	7.41	PVDF

CHARACTERISTICS:
 Supply voltage: 230 Vac ± 8%, 50/60 Hz or 12 Vdc ± 10% (CC models).
 Power: 30 W.
 Max. height of suction: 1.5 m.
 Working temperature: 1 - 45 °C.

Injections per minute: 180.
 Protection: IP65.
 Suction filter: yes.
 Suction connections: transparent PVC 8x12 mm pipe.
 Propulsion connections: natural PVDF 8x10 mm pipe.

MATERIALS:
 Case: PP+GF.
 Membrane: PTFE.
 Body of the pump: PVDF.
 Foot valve: PVDF.
 Injection valve: PVDF.
 Valve balls: ceramic.
 Seals: Viton.



DIMENSIONS/MM

Model	A	B	C
PRISMA	233	115	266



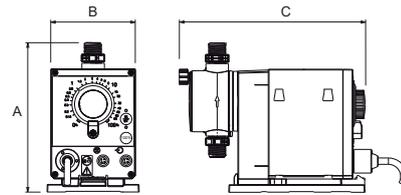
DDE-B CONSTANT



Membrane dosing pump, with stepper motor and electronic stroke frequency system with a high turn-down ratio (1:1000).

Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DDE-B 6 PVC	10020036	0.006	6	10	0.81	PVC/V/C
DDE-B 15 PVC	10020039	0.015	15	4	1.58	PVC/V/C
DDE-B 6 PV	10020056	0.006	6	10	0.81	PV/T/C
DDE-B 15 PV	10020059	0.015	15	4	1.58	PV/T/C

Does not include installation kit.



DIMENSIONS/MM

Model	A	B	C
DDE-B 6	196	110	251
DDE-B 15	200	110	251

CHARACTERISTICS:

Supply voltage: 100-240 V ± 10%, 50/60 Hz.
 Power: 19 W.
 Accuracy: dosing flow < ± 1%, linearity < ± 1%.
 Noise level: ± 60 dB(A).
 Max. height of suction: 6 m WS.
 Max. viscosity: up to 500 cP (with spring valves, check).
 Max. environmental and working temperature: 45 °C.

Strokes per minute: 140 (6 l/h) and 180 (15 l/h).
 Protection: IP65.
 Suction filter: yes.
 Recommended connections: DN8 (6/12).

FEATURES:

Manual speed control.

MATERIALS:

Dosing head and valves: PVC or PVDF (PV).
 Valve seat: Viton (V) or PTFE (T).
 Seal: Viton (V) or PTFE (T).
 Valve ball: ceramic.
 Membrane: PTFE.

GENERAL INFORMATION:

Motor: dynamic stepper motor with transmission.

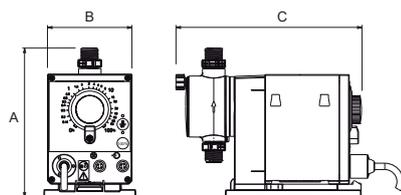
DDE-P DIVIDER



Constant/proportional membrane dosing pump, with a stepper motor and electronic stroke frequency system with a high turn-down ratio (1:1000).

Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DDE-P 6 PVC	10020136	0.006	6	10	0.81	PVC/V/C
DDE-P 15 PVC	10020139	0.015	15	4	1.58	PVC/V/C
DDE-P 6 PV	10020156	0.006	6	10	0.81	PV/T/C
DDE-P 15 PV	10020159	0.015	15	4	1.58	PV/T/C

Does not include installation kit.



DIMENSIONS/MM

Model	A	B	C
DDE-P 6	196	110	251
DDE-P 15	200	110	251

CHARACTERISTICS:

Supply voltage: 100-240 V ± 10%, 50/60 Hz.
 Power: 19 W.
 Accuracy: dosing flow < ± 1%, linearity < ± 1%.
 Noise level: ± 60 dB(A).
 Max. height of suction: 6 m WS.
 Max. viscosity: up to 500 cP (with spring valves, check).
 Max. environmental and working temperature: 45 °C.

Divider: yes (1:1 to 1000:1).
 Recommended connections: DN8 (6/12).
 Inputs: contact signal, remote connect/disconnect, and tank-empty notification.
 Outputs: no.

FEATURES:

Manual speed control and pulse control (1:n).

MATERIALS:

Dosing head and valves: PVC or PVDF (PV).
 Valve seat: Viton (V) or PTFE (T).
 Seal: Viton (V) or PTFE (T).
 Valve ball: ceramic.
 Membrane: PTFE.

GENERAL INFORMATION:

Motor: dynamic stepper motor with transmission.
 Strokes per minute: 140 (6 l/h) and 180 (15 l/h).
 Protection: IP65.

Digital membrane dosing pump, with stepper motor and electronic stroke control and adjustment system with a high turn-down ratio (1:1000). Easy-to-use interface with pump performance displayed in l/h with perfect calibration, for improved use and unrivaled precision.

DDC-A DIGITAL

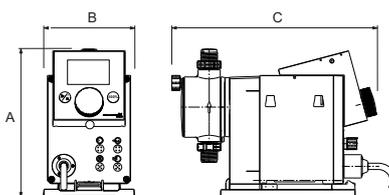
Model	Code	Flow rate (l/h)		Max p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DDC-A 6 PVC	10020236	0.006	6	10	0.81	PVC/V/C
DDC-A 15 PVC	10020239	0.015	15	4	1.58	PVC/V/C
DDC-A 6 CIO2	10020296	0.006	6	10	0.81	PVC/T/C
DDC-A 15 CIO2	10020299	0.015	15	4	1.58	PVC/T/C
DDC-A 6 PV	10020256	0.006	6	10	0.81	PV/T/C
DDC-A 15 PV	10020259	0.015	15	4	1.58	PV/T/C

Does not include installation kit.

CHARACTERISTICS:

Supply voltage: 100-240 V ± 10%, 50/60 Hz.
 Power: 22 W.
 Accuracy: dosing flow < ± 1%, linearity < ± 1%.
 Noise level: ± 60 dB(A).
 Max. height of suction: 6 m WS.
 Max. viscosity: normal up to 500 cP and Slow Mode at 25% (2000 cP) (with spring valves, check).
 Max. environmental and working temperature: 45 °C.

Strokes per minute: 140 (6 l/h) and 180 (15 l/h).
 Protection: IP65.
 Recommended connections: DN8 (6/12).
 Divider: yes (auto dosing in ml).
 Multiplier: yes (auto dosing in ml).
 Inputs: contact signal, remote connect/disconnect, empty tank advance notification, and tank-empty notification.
 Outputs: no.



DIMENSIONS/MM

Model	A	B	C
DDC-A 6	196	110	280
DDC-A 15	200	110	280

GENERAL INFORMATION:

Motor: dynamic stepper motor with transmission.
 Digital dial with adjustable color settings.

FEATURES:

Manual speed control and pulse control (ml/pulse).
 Slow Mode system, calibration, and event logging.

MATERIALS:

Dosing head and valves: PVC or PVDF (PV).
 Valve seat: Viton (V) or PTFE (T).
 Seal: Viton (V) or PTFE (T).
 Valve ball: ceramic.
 Membrane: PTFE.



Digital membrane dosing pump, with stepper motor and electronic stroke control and adjustment system with a high turn-down ratio (1:1000). Easy-to-use interface with pump performance displayed in l/h with perfect calibration, for improved use and unrivaled precision.

DDC-AR DIGITAL mA

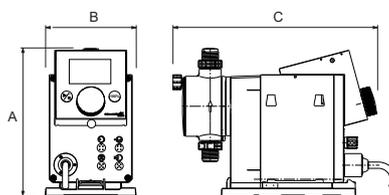
Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DDC-AR 6 PVC	10020336	0.006	6	10	0.81	PVC/V/C
DDC-AR 15 PVC	10020339	0.015	15	4	1.58	PVC/V/C
DDC-AR 6 PV	10020356	0.006	6	10	0.81	PV/T/C
DDC-AR 15 PV	10020359	0.015	15	4	1.58	PV/T/C

Does not include installation kit.

CHARACTERISTICS:

Supply voltage: 100-240 V ± 10%, 50/60 Hz.
 Power: 22 W.
 Accuracy: dosing flow < ± 1%, linearity < ± 1%.
 Noise level: ± 60 dB(A).
 Max. height of suction: 6 m WS.
 Max. viscosity: normal up to 500 cP and Slow Mode at 25% (2000 cP) (with spring valves, check).
 Max. environmental and working temperature: 45 °C.

Strokes per minute: 140 (6 l/h) and 180 (15 l/h).
 Protection: IP65.
 Divider: yes (auto dosing in ml).
 Multiplier: yes (auto dosing in ml).
 Recommended connections: DN8 (6/12).
 Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, empty tank advance notification, and tank-empty notification.
 Outputs: 2 programmable relay outputs.



DIMENSIONS/MM

Model	A	B	C
DDC-AR 6	196	110	280
DDC-AR 15	200	110	280

GENERAL INFORMATION:

Motor: dynamic stepper motor with transmission.
 Digital dial with adjustable color settings.

FEATURES:

Manual speed control and pulse control (ml/pulse).
 Slow Mode system, calibration, event logging, and selectable alarm outputs.

MATERIALS:

Dosing head and valves: PVC or PVDF (PV).
 Valve seat: Viton (V) or PTFE (T).
 Seal: Viton (V) or PTFE (T).
 Valve ball: ceramic.
 Membrane: PTFE.



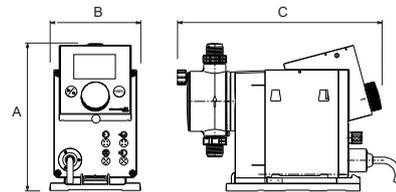
**DDA-AR
ADVANCED**

Digital membrane dosing pump, with stepper motor and electronic stroke control and adjustment system with a high turn-down ratio (1:3000). Interface with simple pump performance display in l/h with perfect calibration, for improved use and unrivaled precision.



Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm³)	Materials
		min.	max.			
DDA-AR 7.5 PVC	10020436	0.002	7.5	10	0.74	PVC/V/C
DDA-AR 17 PVC	10020438	0.017	17	7	1.55	PVC/V/C
DDA-AR 30 PVC	10020439	0.030	30	4	3.10	PVC/V/C
DDA-AR 30 ClO2	10020499	0.030	30	4	3.10	PVC/T/C
DDA-AR 7.5 PV	10020456	0.002	7.5	16	0.74	PV/T/C
DDA-AR 17 PV	10020458	0.017	17	7	1.55	PV/T/C
DDA-AR 30 PV	10020459	0.030	30	4	3.10	PV/T/C

Does not include installation kit.



DIMENSIONS/MM

Model	A	B	C
DDA-AR 7.5	196	110	280
DDA-AR 17	200	110	280
DDA-AR 30	205	110	295

CHARACTERISTICS:

- Supply voltage: 100-240 V ± 10%, 50/60 Hz.
- Power: 24 W.
- Accuracy: dosing flow < ± 1%, linearity < ± 1%.
- Noise level: ± 60 dB(A).
- Max. height of suction: 6 m WS.
- Max. viscosity: up to 2500 cP (according to model and Slow Mode program). With spring valves, check.
- Max. environmental and working temperature: 45 °C.

GENERAL INFORMATION:

- Motor: dynamic stepper motor with transmission.
- Digital dial with adjustable color settings.
- Strokes per minute: 190 (7.5 l/h), 205 (17 l/h) and 180 (30 l/h).
- Protection: IP65.
- Suction filter: yes.
- Divider: yes (auto dosing in ml).
- Multiplier: yes (auto dosing in ml).
- Recommended connections: DN8 (6/12).
- Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, empty tank advance notification, tank-empty notification, and Genibus.
- Outputs: 2 programmable relay outputs, 0/4-20 mA scalable signal, and Genibus.

FEATURES:

- Manual speed control and pulse control (ml/pulse), 0/4-20 mA scalable signal, batch, weekly time programmer and Fieldbus (optional).
- Slow Mode system, auto-deaeration on standby, calibration, event logging, and selectable alarm outputs.

MATERIALS:

- Dosing head and valves: PVC or PVDF (PV).
- Valve seat: Viton (V) or PTFE (T).
- Seal: Viton (V) or PTFE (T).
- Valve ball: ceramic.
- Membrane: PTFE.

Digital membrane dosing pump, with stepper motor and electronic stroke control and adjustment system with a high turn-down ratio (1:3000). Easy-to-use interface with pump performance displayed in l/h with perfect calibration, for improved use and unrivaled precision. Includes smart Flow Adapt feature with real-time pressure and flow rate control.

DDA-FCM INTELLIGENT

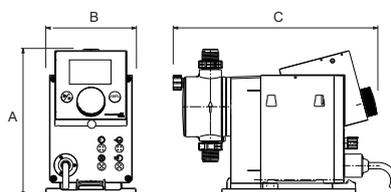
Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DDA-FCM 7.5 PVC	10020536	0.002	7.5	10	0.74	PVC/V/C
DDA-FCM 17 PVC	10020538	0.017	17	7	1.55	PVC/V/C
DDA-FCM 30 PVC	10020539	0.030	30	4	3.10	PVC/V/C
DDA-FCM 7.5 PV	10020556	0.002	7.5	16	0.74	PV/T/C
DDA-FCM 17 PV	10020558	0.017	17	7	1.55	PV/T/C
DDA-FCM 30 PV	10020559	0.030	30	4	3.10	PV/T/C

Does not include installation kit.



DIMENSIONS/MM

Model	A	B	C
DDA-FCM 7.5	196	110	280
DDA-FCM 17	200	110	280
DDA-FCM 30	205	110	295



CHARACTERISTICS:

Supply voltage: 100-240 V ± 10%, 50/60 Hz.
 Power: 24 W.
 Accuracy: dosing flow < ± 1%, linearity < ± 1%.
 Noise level: ± 60 dB(A).
 Max. height of suction: 6 m WS.
 Max. viscosity: up to 2500 cP (according to model and Slow Mode program). With spring valves, check.
 Max. environmental and working temperature: 45 °C.

GENERAL INFORMATION:

Motor: dynamic stepper motor with transmission.
 Digital dial with adjustable color settings.
 Strokes per minute: 190 (7.5 l/h), 205 (17 l/h) and 180 (30 l/h).
 Protection: IP65.
 Suction filter: yes.
 Divider: yes (auto dosing in ml).
 Multiplier: yes (auto dosing in ml).
 Recommended connections: DN8 (6/12).
 Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, empty tank advance notification, tank-empty notification, and Genibus.
 Outputs: 2 programmable relay outputs, 0/4-20 mA scalable signal, and Genibus.

FEATURES:

Manual speed control and pulse control (ml/pulse), 0/4-20 mA scalable signal, batch, weekly time programmer and Fieldbus (optional).
 Slow Mode system, auto-deaeration on standby, calibration, event logging, and selectable alarm outputs.
 Pressure control with selective malfunction diagnostics.
 Real-time flow rate measurement and automatic flow rate setting feature.

MATERIALS:

Dosing head and valves: PVC or PVDF (PV).
 Valve seat: Viton (V) or PTFE (T).
 Seal: Viton (V) or PTFE (T).
 Valve ball: ceramic.
 Membrane: PTFE.

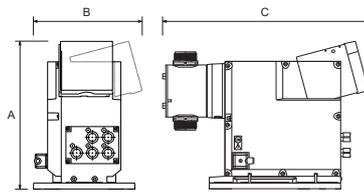
**DDE-B XL
CONSTANT**



Constant membrane dosing pump, with a stepper motor and electronic stroke frequency system with a high turn-down ratio (1:800).

Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DDE-B XL 60 PVC	10020636	0.075	60	10	5.56	PVC/V/C
DDE-B XL 120 PVC	10020638	0.150	120	7	11.58	PVC/V/C
DDE-B XL 200 PVC	10020639	0.250	200	4	19.30	PVC/V/C
DDE-B XL 60 PV	10020656	0.075	60	10	5.56	PV/T/C
DDE-B XL 120 PV	10020658	0.150	120	7	11.58	PV/T/C
DDE-B XL 200 PV	10020659	0.250	200	4	19.30	PV/T/C

Does not include installation kit.



DIMENSIONS/MM

Model	A	B	C
DDE-B XL	284	209	410

CHARACTERISTICS:

Supply voltage: 100-240 V ± 10%, 50/60 Hz.
 Power: 62 W.
 Accuracy: dosing flow < ± 1%, linearity < ± 1%.
 Noise level: ± 80 dB(A).
 Max. height of suction: 3 m with water.
 Max. viscosity: up to 1000 cP (with spring valves, check).
 Max. environmental and working temperature: 45 °C.

Protection: IP65.
 Suction and propulsion connections: 19/20 mm flexible hose kit, 25 mm pipe welding.
 Divider: yes (1:1 to 800:1).

FEATURES:

Manual speed control.

MATERIALS:

Dosing head and valves: PVC or PVDF (PV).
 Valve seat: Viton (V) or PTFE (T).
 Seal: Viton (V) or PTFE (T).
 Valve ball: ceramic.
 Membrane: PTFE.

GENERAL INFORMATION:

Motor: dynamic stepper motor with transmission.
 Strokes per minute: 196 (60 l/h) and 188 (120-200 l/h).

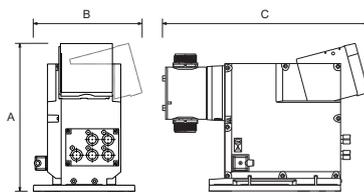
**DDE-AR XL
DIVIDER mA**



Constant/proportional membrane dosing pump, with a stepper motor and electronic stroke frequency system with a high turn-down ratio (1:800).

Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DDE-AR XL 60 PVC	10020736	0.075	60	10	5.56	PVC/V/C
DDE-AR XL 120 PVC	10020738	0.150	120	7	11.58	PVC/V/C
DDE-AR XL 200 PVC	10020739	0.250	200	4	19.30	PVC/V/C
DDE-AR XL 60 PV	10020756	0.075	60	10	5.56	PV/T/C
DDE-AR XL 120 PV	10020758	0.150	120	7	11.58	PV/T/C
DDE-AR XL 200 PV	10020759	0.250	200	4	19.30	PV/T/C

Does not include installation kit.



DIMENSIONS/MM

Model	A	B	C
DDE-AR XL	284	209	410

CHARACTERISTICS:

Supply voltage: 100-240 V ± 10%, 50/60 Hz.
 Power: 62 W.
 Accuracy: dosing flow < ± 1%, linearity < ± 1%.
 Noise level: ± 80 dB(A).
 Max. height of suction: 3 m with water.
 Max. viscosity: up to 1000 cP (with spring valves, check).
 Max. environmental and working temperature: 45 °C.

Divider: yes (1:1 to 800:1).
 Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, empty tank advance notification, and tank-empty notification.
 Outputs: 2 programmable relay outputs.

FEATURES:

Manual speed control and pulse control (1:n).
 4-20 mA analog control scalable in 3 ranges.

GENERAL INFORMATION:

Motor: dynamic stepper motor with transmission.
 Strokes per minute: 196 (60 l/h) and 188 (120-200 l/h).
 Protection: IP65.
 Suction and propulsion connections: 19/20 mm flexible hose kit, 25 mm pipe welding.

MATERIALS:

Dosing head and valves: PVC or PVDF (PV).
 Valve seat: Viton (V) or PTFE (T).
 Seal: Viton (V) or PTFE (T).
 Valve ball: ceramic.
 Membrane: PTFE.

NEW

Digital membrane dosing pump, with a stepper motor and electronic stroke control and adjustment system with high turn-down ratio (1:800). Easy-to-use interface with pump performance displayed in l/h with perfect calibration, for improved use and unrivaled precision.

**DDA-AR XL
ADVANCED**

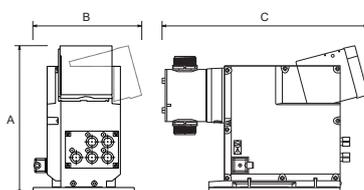


Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DDA-AR XL 60 PVC	10020836	0.075	60	10	5.56	PVC/V/C
DDA-AR XL 120 PVC	10020838	0.150	120	7	11.58	PVC/V/C
DDA-AR XL 200 PVC	10020839	0.250	200	4	19.30	PVC/V/C
DDA-AR XL 60 PV	10020856	0.075	60	10	5.56	PV/T/C
DDA-AR XL 120 PV	10020858	0.150	120	7	11.58	PV/T/C
DDA-AR XL 200 PV	10020859	0.250	200	4	19.30	PV/T/C

Does not include installation kit.

DIMENSIONS/MM

Model	A	B	C
DDA-AR XL	284	209	410



CHARACTERISTICS:

- Supply voltage: 100-240 V ± 10%, 50/60 Hz.
- Power: 62 W.
- Accuracy: dosing flow < ± 1%, linearity < ± 1%.
- Noise level: ± 80 dB(A).
- Max. height of suction: 3 m with water.
- Max. viscosity: up to 3000 cP (with spring valves and Slow Mode program, check).
- Max. environmental and working temperature: 45 °C.

GENERAL INFORMATION:

- Motor: dynamic stepper motor with transmission.
- Strokes per minute: 196 (60 l/h) and 188 (120-200 l/h).
- Protection: IP65.
- Suction and propulsion connections: 19/20 mm flexible hose kit, 25 mm pipe welding.
- Divider: yes (auto dosing in ml).
- Multiplier: yes (auto dosing in ml).
- Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, empty tank advance notification, tank-empty notification, and Genibus.
- Outputs: 2 programmable relay outputs, 0/4-20 mA scalable signal, and Genibus.

FEATURES:

- Manual speed control and pulse control (ml/pulse), 0/4-20 mA scalable signal, batch, weekly time programmer and Fieldbus (optional).
- Slow Mode system, auto-deaeration on standby, calibration, event logging, and selectable alarm outputs.

MATERIALS:

- Dosing head and valves: PVC or PVDF (PV).
- Valve seat: Viton (V) or PTFE (T).
- Seal: Viton (V) or PTFE (T).
- Valve ball: ceramic.
- Membrane: PTFE.

NEW

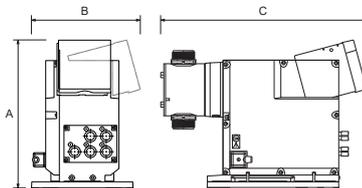
DDA-FCM XL INTELLIGENT

Digital membrane dosing pump, with a stepper motor and electronic stroke control and adjustment system with high turn-down ratio (1:800). Easy-to-use interface with pump performance displayed in l/h with perfect calibration, for improved use and unrivaled precision. Includes smart Auto-FlowAdapt feature with real-time pressure and flow rate control.



Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm³)	Materials
		min.	max.			
DDA-FCM XL 60 PVC	10020936	0.075	60	10	5.56	PVC/V/C
DDA-FCM XL 120 PVC	10020938	0.150	120	7	11.58	PVC/V/C
DDA-FCM XL 200 PVC	10020939	0.250	200	4	19.30	PVC/V/C
DDA-FCM XL 60 PV	10020956	0.075	60	10	5.56	PV/T/C
DDA-FCM XL 120 PV	10020958	0.150	120	7	11.58	PV/T/C
DDA-FCM XL 200 PV	10020959	0.250	200	4	19.30	PV/T/C

Does not include installation kit.



DIMENSIONS/MM

Model	A	B	C
DDA-FCM XL	284	209	410

CHARACTERISTICS:

Supply voltage: 100-240 V ± 10%, 50/60 Hz.
 Power: 62 W.
 Accuracy: dosing flow < ± 1%, linearity < ± 1%.
 Noise level: ± 80 dB(A).
 Max. height of suction: 3 m with water.
 Max. viscosity: up to 3000 cP (with spring valves and Slow Mode program, check).
 Max. environmental and working temperature: 45 °C.

GENERAL INFORMATION:

Motor: dynamic stepper motor with transmission.
 Strokes per minute: 196 (60 l/h), 188 (120-200 l/h).
 Protection: IP65.
 Suction and propulsion connections: 19/20 mm flexible hose kit, 25 mm pipe welding.
 Divider: yes (auto dosing in ml).
 Multiplier: yes (auto dosing in ml).
 Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, empty tank advance notification, tank-empty notification, and Genibus.
 Outputs: 2 programmable relay outputs, 0/4-20 mA scalable signal, and Genibus.

FEATURES:

Manual speed control and pulse control (ml/pulse), 0/4-20 mA scalable signal, batch, weekly time programmer and Fieldbus (optional).
 Slow Mode system, auto-deaeration on standby, calibration, event logging, and selectable alarm outputs.
 Pressure control with selective malfunction diagnostics.
 Real-time flow rate measurement and automatic flow rate setting feature.

MATERIALS:

Dosing head and valves: PVC or PVDF (PV).
 Valve seat: Viton (V) or PTFE (T).
 Seal: Viton (V) or PTFE (T).
 Valve ball: ceramic.
 Membrane: PTFE.

High flow rate digital membrane dosing pump, with a stepper motor and electronic stroke control and adjustment system with a high turn-down ratio (1:800). Its simple interface allows easy use and control of the pump.

DME-AR ADVANCED

Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DME-AR 375 PP	10021613	0.5	375	10	39.1	PP/V/C
DME-AR 940 PP	10021619	1.2	940	4	97.9	PP/V/C
DME-AR 375 PV	10021653	0.5	375	10	39.1	PV/T/C
DME-AR 940 PV	10021659	1.2	940	4	97.9	PV/T/C

Does not include installation kit

CHARACTERISTICS:

Supply voltage: 100-240 V ± 10%, 50/60 Hz.
Power: 240 W.
Accuracy: dosing flow < ± 1%, linearity < ± 1%.
Noise level: ± 70 dB(A).
Max. height of suction: 6 m with water.
Max. viscosity: up to 3000 cP (with spring valves and Slow Mode program, check).
Max. environmental and working temperature: 45 °C.

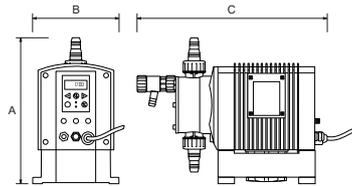
GENERAL INFORMATION:

Motor: dynamic stepper motor with transmission.
Strokes per minute: 160.
Protection: IP65.

Suction and propulsion connections: Rp 1¼" thread
Divider: yes (auto dosing in ml).
Multiplier: yes (auto dosing in ml).
Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, empty tank advance notification, tank-empty notification, and Profibus. (AP model only).
Outputs: alarm relay and dosing pump output (NPN).

FEATURES:

Manual speed control and pulse control (ml/pulse), 0/4-20 mA.
Slow Mode anti-cavitation system, calibration, multilingual menu, capacity restrictor and totalizers.
Programmable alarm reset.



DIMENSIONS/MM

Model	A	B	C
DME-AR	364	238	540

MATERIALS:

Dosing head and valves: PP or PVDF (PV).
Valve seat: Viton (V) or PTFE (T).
Seal: Viton (V) or PTFE (T).
Valve ball: ceramic.
Membrane: PTFE.



Constant dosing pump with manual adjustment from 10 to 100% of the nominal flow rate. Dosing ratio of 1:10.

DMX CONSTANT

Model	Code	Flow rate (l/h)		Max. p. (bar)	Stroke v. (cm ³)	Materials
		min.	max.			
DMX 14 PVC	10021721	1.4	14	10	3.8	PVC/V/G
DMX 35 PVC	10021723	3.5	35	10	4.9	PVC/V/G
DMX 50 PVC	10021725	5.0	50	10	6.9	PVC/V/G
DMX 75 PVC	10021727	7.5	75	4	10.4	PVC/V/G
DMX 132 PVC	10021821	13.2	132	10	18.5	PVC/V/G
DMX 199 PVC	10021822	19.9	199	8	18.5	PVC/V/G
DMX 321 PVC	10021823	32.1	321	6	44.6	PVC/V/G
DMX 765 PVC	10021827	76.5	765	3	73	PVC/V/G

Does not include installation kit.

DIMENSIONS/MM

Model	A	B	C
DMX 14/35/50	319	275	175
DMX 75	319	323	175
DMX 132/199	372	440	222
DMX 321	372	453	222
DMX 765	390	498	222

CHARACTERISTICS:

Supply voltage: Three-phase 230/400, 50/60 Hz (standard).
Single-phase 220-240, 50/60 Hz (optional).
Power: 90 W (from DMX 14 to DMX 75) and 370 W (from DMX 132 to DMX 765).
Accuracy: dosing flow < ± 1.5%, linearity < ± 4%.
Max. height of suction: 4 m (exception: 2 m in the DMX 75 and DMX 765 models).
Max. viscosity: up to 100 cP (exception: up to 10 cP in the DMX 765 model).

GENERAL INFORMATION:

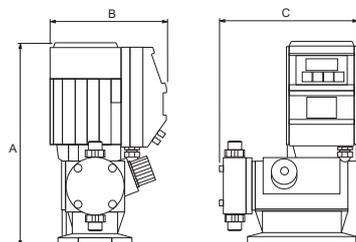
Motor: three-phase motor.
Strokes per minute: 120 (DMX 14: 63 n/min. and DMX 190/765: 175 n/min).

Protection: IP65.

Multiplier/divider: no.
Automatic deaeration: no.
Suction and propulsion connections: Flexible pipe in PVC 6/12 DN8 (from DMX 14 to DMX 50). Flexible pipe in PVC 13/20 DN15 (from DMX 75 to DMX 199). Check DMX 321 and DMX 765 models.

STANDARD MATERIALS:

Dosing head: PVC.
Body of the valve: PVC.
Valve seat: Viton (V).
Seal: Viton (V).
Valve ball: glass (G).
Frame: aluminum.
Dosing membrane: NBR, covered with PTFE (T).



INSTALLATION KIT



SUCTION SET

Model	Code	Description
AS DN4/8 PV	10023001	Suction valve DN4/8 PV/C
AS DN4	10023004	Suction set DN4 HDPE/V,E/C
AS DN4 SONDA	10023104	Suction set DN4 HDPE/V,E/C + probe
AS DN8	10023008	Suction set DN8 HDPE/V,E/C
AS DN8 SONDA	10023108	Suction set DN8 HDPE/V,E/C + probe
AS DN 15/20	10023015	Suction valve DN15/20 HDPE/V,E/C
AS DN 15/20 PV	10023016	Suction valve DN15/20 PV/T/C
AS DN4/8 C500	10023508	500 mm suction line DN4/8 HDPE/V,E/C + probe
AS DN4/8 C690	10023509	690 mm suction line DN4/8 HDPE/V,E/C + probe
AS DN4/8 C980	10023510	980 mm suction line DN4/8 HDPE/V,E/C + probe
AS DN4/8 C1100	10023511	1100 mm suction line DN4/8 HDPE/V,E/C + probe
AS DN15 C500	10023515	500 mm suction line DN15 HDPE/V,E/C + probe
AS DN15 C690	10023516	690 mm suction line DN15 HDPE/V,E/C + probe
AS DN15 C980	10023517	980 mm suction line DN15 HDPE/V,E/C + probe
AS DN15 C1200	10023518	1200 mm suction line DN15 HDPE/V,E/C + probe
ADAPT A	10023500	Suction line adapter 20/60 l Bottle (yellow)
ADAPT N	10023501	Suction line adapter S56x4 200 l drum (orange)
ADAPT RSL	10023502	Line adapter IBC cap 150mm with G2" thread (black)

INJECTION VALVE

Model	Code	Description
IN DN4/8 PP	10023407	Injection valve DN4/8 PP/E/C
IN DN4/8	10023408	Injection valve DN4/8 PVC/V/C
IN DN4/8 CIO2	10023409	Injection valve DN4/8 PVC/T/C ClO ₂
IN DN4/8 PV	10023405	Injection valve DN4/8 PV/T/C
IN DN15/20 PP	10023414	Injection valve DN15/20 PP/E/C
IN DN15/20	10023415	Injection valve DN15/20 PVC/V/C
IN DN15/20 PV	10023416	Injection valve DN15/20 PV/T/C

OTHERS

Model	Code	Description
CB4/2	10028010	Contact and analog wire, 4 pins, 2 m.
CB2 RELE	10028015	Output wire, 2 relays, 4 pins, 2 m.
MFV DN4	10023304	Multifunction valve DN4 PVC/V
MFV DN8	10023306	Multifunction valve DN8 PVC/V
VSP DN4/8	10023308	Back-pressure valve DN4/DN8 PVC/V
VSP DN15/20	10023315	Back-pressure valve DN15/20 PVC/V
E-BOX150	10023800	E-Box 150 interface Profibus DP for DDA
E-BOX200	10023801	E-Box 200 interface Profibus RTU for DDA
E-BOX500	10023802	E-Box 500 interface Ethernet for DDA
AVIS/RJ 230E	10023901	Exterior level warning device for suction line

Advanced technology since 1999

Grundfos was the first manufacturer to use the Digital Dosing™ technology in 1999. Our SMART Digital membrane dosing pumps offer clear benefits when compared to dosing pumps based on traditional technology, like, for instance, adjustment of the stroke length/frequency with synchronous motors or solenoid drivers. Our powerful motors with variable speed steps have internal stroke speed control for perfect, continuous dosing, as well as an impressive reduction ratio.

Taking on the challenge of dosing difficult liquids

With SMART Digital, the dosing of liquids that degas, or are very viscous, is extremely easy. The auto-purging feature, available on several models, stops the chemical products that degas from causing a build up of vapor which could block the dosing process. Furthermore, with the SlowMode feature, the extremely viscous liquids can be dosed without obstructing the pump. In fact, some SMART Digital models can dose liquids with a viscosity of up to 3000 mPas.



Several control modes

All SMART Digital pumps include different control variants to select a solution best-suited to their applications. That is why they feature anything from the simple and user-friendly start/stop buttons, to the advanced remote communication and auto diagnostic features.

Auto Flow Adapt smart function

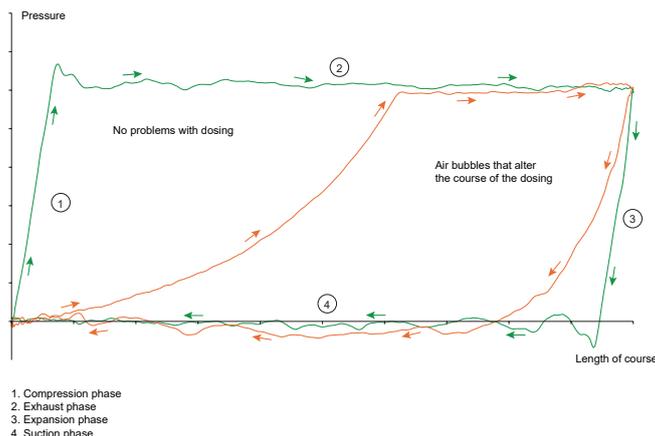
When activating this feature, the pump controls the liquid dosing process. There are several possible outcomes from this process, such as the appearance of air bubbles, which, although they do not stop the pump from working, may cause a reduction in flow volume and may even cause a stoppage in the dosing process.

The FlowControl feature, designed to optimize the safety and reliability of the process, instantly detects and indicates the following situations:

- excess pressure;
- a leak or rupture in the exhaust pipe;
- air bubbles in the dosing head;
- cavitation at the end of the suction pipe;
- a leak in the suction valve;
- a leak in the exhaust valve.

The exclusive FlowControl feature works thanks to a smart sensor which requires no maintenance and is installed in the dosing head. During the dosing process, the sensor measures the real-time pressure and sends the measurement to the pump's microprocessor. This sensor creates an internal indicating graph by combining the real-time pressure value with the membrane position (stroke length). Through this graph, the dosing process is monitored, and any errors can be detected immediately thanks to the curve's specific deviation. The air bubbles, for instance, will reduce the exhaust phase and the stroke volume (see diagram).

The sensitivity parameters and delay of the FlowControl feature can be individually adjusted. FlowControl requires a minimum 2-bar counter-pressure. Grundfos recommends an additional counter-pressure valve (approx. 3 bar) on the exhaust side for low dosage capacities (<1 l/h).



SUMMARY OF FUNCTIONS



	DDA		DDC		DDE		DDA XL	
Control variant	FCM	AR	AR	A	P	B	FCM	AR
Operating modes								
Manual speed control	X	X	X	X	X	X	X	X
Pulse control in ml/pulse	X	X	X	X			X	X
Pulse control (1:n)					X			
Analog control 0/4-20 mA	X	X	X				X	X
Batch control (pulse-based)	X	X					X	X
Dosing cycle timer	X	X					X	X
Weekly dosing timer	X	X					X	X
Fieldbus control (optional)	X	X					X	X
Features								
Automatic deaeration even when the pump is on standby	X	X					X	X
FlowControl system with selective malfunction diagnostics	X						X	
Pressure monitoring (min./max.)	X						X	
Flow rate measurement	X						X	
AutoFlowAdapt	X						X	
SlowMode (anti-cavitation)	X	X	X	X			X	X
Calibration mode	X	X	X	X			X	X
Scaling of analog input	X	X					X	X
Maintenance information screen	X	X	X	X			X	X
Relay setting: alarm, notification, stroke signal, and dosing pump	X	X	X				X	X
Relay setting (additional): cycle timer, weekly timer	X	X					X	X
Inputs/outputs								
Input for external stop	X	X	X	X	X		X	X
Input for pulse control	X	X	X	X	X		X	X
Input for analog control of 0/4-20 mA	X	X	X				X	X
Input for low level signal	X	X	X	X			X	X
Input for empty tank signal	X	X	X	X	X		X	X
Programmable relay output (2 units)	X	X	X				X	X
Alarm relay output								
Analog output 0/4-20 mA	X	X					X	X
Input/output for GeniBus	X	X					X	X
Input/output for E-box (Profibus DP or additional alarm relays)	X	X						
Input/output for CIU (Profibus DP or additional alarm relays)							X	X

SUMMARY OF FUNCTIONS

						
	DDE XL		DME		DDI	DMX
Control variant	AR	B	AR	B	AR	B
Operating modes						
Manual speed control	X	X	X	X	X	X
Pulse control in ml/pulse			X		X	
Pulse control (1:n)	X					
Analog control 0/4-20 mA	X		X		X	
Batch control (pulse-based)			X		X	
Dosing cycle timer			X		X	
Weekly dosing timer						
Fieldbus control (optional)						
Features						
Automatic deaeration even when the pump is on standby						
FlowControl system with selective malfunction diagnostics						
Pressure monitoring (min./max.)						
Flow rate measurement						
AutoFlowAdapt						
SlowMode (anti-cavitation)			X	X	X	
Calibration mode			X	X	X	
Scaling of analog input			X		X	
Maintenance information screen			X	X	X	
Relay setting: alarm, notification, stroke signal, and dosing pump	X		X		X	
Relay setting (additional): cycle timer, weekly timer						
Inputs/outputs						
Input for external stop	X		X		X	
Input for pulse control	X		X		X	
Input for analog control of 0/4-20 mA	X		X		X	
Input for low level signal	X		X		X	
Input for empty tank signal	X		X		X	
Programmable relay output (2 units)	X				X	
Alarm relay output			X			
Analog output 0/4-20 mA					X	
Input/output for GeniBus						
Input/output for E-box (Profibus DP or additional alarm relays)						
Input/output for CIU (Profibus DP or additional alarm relays)						

CHEMICAL RESISTANCE TABLE

This resistance table serves merely a general guide of the resistance of materials (at ambient temperature), and it is not a substitute for true tests on the chemical substances and materials of the pumps under specific working conditions.

The data indicated is based on information collated from various available sources. However, it should be remembered that there are many factors (purity, temperature, abrasive particles, etc.) that may affect the chemical resistance of a certain material.

Pumped liquid (at 20 °C)			Material								
			Dosing head				Seal			Ball	Acc.
Description	Chemical formula	Concentration (%)	PP	PVDF	SS 1.4401	PVC	FKM	EPDM	PTFE	Ceramic	PE
Acetic acid	CH ₃ COOH	25	●	●	●	●	—	●	●	●	●
		60	●	●	●	●	—	●	●	●	●
		85	●	●	○	—	—	—	●	●	—
Aluminum chloride	AlCl ₃	40	●	●	—	●	●	●	●	●	
Aluminum sulfate	Al ₂ (SO ₄) ₃	60	●	●	●	●	●	●	●	●	
Ammonium hydroxide	NH ₄ OH	28	●	●	●	●	—	●	●	●	
Calcium hydroxide* ⁷	Ca(OH) ₂		●	●	●	●	●	●	●	●	
Calcium hypochlorite	Ca(ClO) ₂	20	○	●	—	●	●	●	●	●	
Chromic acid	H ₂ CrO ₄	10	●	●	●	●	●	●	●	●	●
		30	—	●	—	●	●	○	●	●	●
		50	—	●	—	●	●	—	●	●	●
Copper sulfate	CuSO ₄	30	●	●	●	●	●	●	●	●	
Ferric chloride* ³	FeCl ₃	100	●	●	—	●	●	●	●	●	
Ferric sulfate* ³	Fe ₂ (SO ₄) ₃	100	●	●	○	●	●	●	●	●	
Ferrous chloride	FeCl ₂	100	●	●	—	●	●	●	●	●	
Ferrous sulfate	FeSO ₄	50	●	●	●	●	●	●	●	●	
Hexafluorosilicic acid	H ₂ SiF ₆	40	●	●	○	●	—	○	●	●	
Hydrochloric acid	HCl	< 25	●	●	—	●	●	●	●	●	●
		25-37	●	●	—	●	●	○	●	●	●
Hydrogen peroxide	H ₂ O ₂	30	●	●	●	●	●	●	●	●	
Nitric acid	HNO ₃	30	●	●	●	●	●	●	●	●	●
		40	○	●	●	●	●	—	●	●	●
		70	—	●	●	—	●	—	●	●	○
Peracetic acid	CH ₃ COOOH	5-15	○	●	○	○	—	○	●	●	○
Potassium hydroxide	KOH	50	●	—	●	●	—	●	●	●	●
Potassium permanganate	KMnO ₄	10	●	●	●	●	○	●	●	●	●
Sodium chlorate	NaClO ₃	30	●	●	●	●	●	●	●	●	●
Sodium chloride	NaCl	30	●	●	—	●	●	●	●	●	●
Sodium chlorite	NaClO ₂	20	●	●	—	○	●	●	●	●	●
Sodium hydroxide	NaOH	30	●	●	●	●	○	●	●	●	●
		50	●	●	●	●	—	●	●	●	●
Sodium hypochlorite	NaClO	12-15	—	●	—	●	●	●	●	●	●
Sodium sulfide	Na ₂ S	30	●	●	●	●	●	●	●	●	●
Sodium sulfite	Na ₂ SO ₃	20	●	●	●	●	●	●	●	●	●
Sodium thiosulfate	Na ₂ S ₂ O ₃	10	●	●	●	●	●	●	●	●	●
Sulfurous acid	H ₂ SO ₃	6	●	●	●	●	●	●	●	●	●
Sulfuric acid* ⁴	H ₂ SO ₄	< 80	●	●	—	●	●	○	●	●	●
		80-96	○	●	—	●	●	—	●	●	—
		98	—	●	●	—	○	—	●	●	—

● Resistant

○ Limited resistance

— Not resistant

*³ Risk of crystallization.

*⁴ Reacts violently with water and generates a great deal of heat (the pump must be completely dry before using it to dispense sulfuric acid).

*⁷ When the pump stops, the calcium hydroxide sediments quickly.



DOSING

multi-parameter controllers

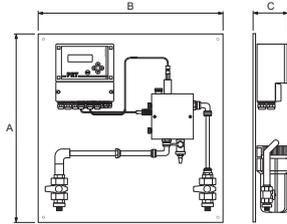
PRT pH CONTROLLER



Pre-assembled system with PRT controller and pH electrode, with a long-term stable reference system with gel electrolyte and additional salt deposit to extend useful life.

Model	Code	Measurement range (pH)	Resolution (pH)
PRT-1A pH ¹	10063080	0-14	0.01

Code ¹: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B	C
PRT-1A	500	500	160

ELECTRODE CHARACTERISTICS:

pH electrode with a high-quality rod and a ceramic junction. Small contact surface to avoid ionic degradation of electrolyte. 100-mm glass electrode with a PG 13.5 mounting thread.

WORKING CONDITIONS:

pH range: from 0 to 14.
 Working pressure: from 0 to 6 bar, without fluid hammer.
 Working temperature: 1 - 50 °C, without crystals.
 Fluid: drinking water.

CHARACTERISTICS:

Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software: 1 PID channel.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.

OUTPUTS:

- 3 - Potential-free alarm relay.
- 2 - Digital frequency output for dosing pumps.
- 2 - Analog 0/4-20 mA, galvanically isolated.
- 1 - Modbus slave RTU, galvanically isolated.
- 1 - SD card slot for logs.



WE HAVE A WIDE RANGE OF SENSORS. PLEASE CONTACT OUR SALES DEPARTMENT.

Pre-assembled system with PRT controller and amperometric sensor with 3 membrane-covered electrodes. Detection of free chlorine with a constant pH value.

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-1A CL-P 2 ¹	10063121	0.01 - 2.00	0.01
PRT-1A CL-P 5	10063122	0.01 - 5.00	0.01

Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: NaClO (sodium hypochlorite), Ca(ClO)₂ (calcium hypochlorite), Cl₂ (chlorine), chlorine generated by electrolysis and organochlorides from isocyanuric acid (up to 500 mg/l of isocyanuric acid tested). Interference: detection of 100% chlorine dioxide (ClO₂). Ozone (O₃) can also be detected. Tolerance: limited tolerance of surfactants. Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD-1 method. The concentration of isocyanuric acid must be considered. Response time: 120 s approx. Start-up time: 2hr approx., the first time. Temperature compensation: integrated. Maintenance: replacement of electrolyte after 3 to 6 months and the membrane every year.

WORKING CONDITIONS:

pH range: from 4 to 12.
 Working pressure: from 0 to 0.5 bar, without fluid hammer.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water and sea water up to 50 mS/cm.

CHARACTERISTICS:

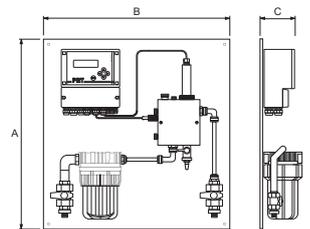
Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software: 1 PID channel.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.

OUTPUTS:

- 3 - Potential-free alarm relay.
- 2 - Digital frequency output for dosing pumps.
- 2 - Analog 0/4-20 mA, galvanically isolated.
- 1 - Modbus slave RTU, galvanically isolated.
- 1 - SD card slot for logs.

CHLORINE PRT (P) CONTROLLER

(Especially for swimming pools)



DIMENSIONS/MM

Model	A	B	C
PRT-1A	500	500	160

Pre-assembled system with PRT controller and amperometric sensor with 3 membrane-covered electrodes. Detection of free chlorine with low pH dependence and limited tolerance of surfactants for drinking water and sea water.

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-1A CL-H 2	10063111	0.01 - 2.00	0.01
PRT-1A CL-H 5 ¹	10063112	0.01 - 5.00	0.01
PRT-1A CL-H 10	10063113	0.01 - 10.00	0.01
PRT-1A CL-H 20	10063114	0.01 - 20.00	0.01
PRT-1A CL-H 200	10063116	0.5 - 200.0	0.1

Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: NaClO (sodium hypochlorite), Ca(ClO)₂ (calcium hypochlorite), Cl₂ (chlorine), chlorine generated by electrolysis. Interference: ozone (O₃) with a factor of 0.8 and chlorine dioxide (ClO₂) with a factor of 0.75. Tolerance: limited to surfactant agents. Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD-1 method. Response time: 120 s approx. Start-up time: 2hr approx., the first time. Temperature compensation: integrated. Maintenance: replacement of electrolyte after 3 to 6 months and the membrane every year.

WORKING CONDITIONS:

pH range: from 4 to 9.
 Working pressure: from 0 to 3 bar, without fluid hammers.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water and sea water up to 50 mS/cm.

CHARACTERISTICS:

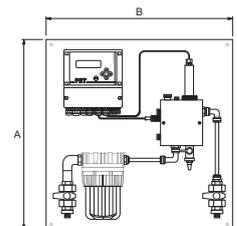
Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software: 1 PID channel.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.

OUTPUTS:

- 3 - Potential-free alarm relay.
- 2 - Digital frequency output for dosing pumps.
- 2 - Analog 0/4-20 mA, galvanically isolated.
- 1 - Modbus slave RTU, galvanically isolated.
- 1 - SD card slot for logs.

CHLORINE PRT (H) CONTROLLER

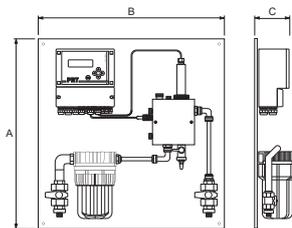
(Low pH dependence)



DIMENSIONS/MM

Model	A	B	C
PRT-1A	500	500	160

PRT CHLORINE DIOXIDE CONTROLLER



DIMENSIONS/MM

Model	A	B	C
PRT-1A	500	500	160

Pre-assembled system with PRT controller and amperometric sensor with 2 membrane-covered electrodes. Detection of chlorine dioxide for drinking water without pH dependence.

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-1A ClO ₂ 0.5	10063200	0.005 - 0.500	0.001
PRT-1A ClO ₂ 2 ¹	10063201	0.05 - 2.00	0.01
PRT-1A ClO ₂ 5	10063202	0.05 - 5.00	0.01
PRT-1A ClO ₂ 10	10063203	0.5 - 10.0	0.01

Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: chlorine dioxide (ClO₂).
 Interference: ozone (O₃) or chlorine (Cl₂) with a factor of 0.03.
 Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD-1 method.
 Response time: 15 s approx.
 Start-up time: 1hr approx, the first time.
 Temperature compensation: integrated.
 Maintenance: replacement of electrolyte after 3 to 6 months and the membrane every year.

WORKING CONDITIONS:

pH range: from 1 to 11.
 Working pressure: from 0 to 1 bar, without fluid hammers.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water.

CHARACTERISTICS:

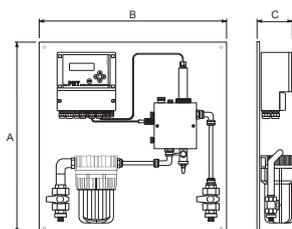
Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software: 1 PID channel.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 and Pt1000.
 Temperature coefficient up to 8.0%.

OUTPUTS:

- 3 - Potential-free alarm relay.
- 2 - Digital frequency output for dosing pumps.
- 2 - Analog 0/4-20 mA, galvanically isolated.
- 1 - Modbus slave RTU, galvanically isolated.
- 1 - SD card slot for logs.

PRT CHLORINE DIOXIDE (H) CONTROLLER

(with presence of chlorine)



DIMENSIONS/MM

Model	A	B	C
PRT-1A	500	500	160

Pre-assembled system with PRT controller and amperometric sensor with 2 membrane-covered electrodes. Detection of free chlorine dioxide without pH dependence and limited tolerance of surfactants for drinking water and sea water.

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-1A ClO ₂ -H 0.5	10063210	0.005 - 0.500	0.001
PRT-1A ClO ₂ -H 2 ¹	10063211	0.05 - 2.00	0.01
PRT-1A ClO ₂ -H 5	10063212	0.05 - 5.00	0.01
PRT-1A ClO ₂ -H 10	10063213	0.05 - 10.00	0.01
PRT-1A ClO ₂ -H 20	10063214	0.05 - 20.00	0.01
PRT-1A ClO ₂ -H 200	10063216	0.5 - 200.0	0.1

Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: chlorine dioxide (ClO₂).
 Interference: Ozone (O₃) with a sensitivity 25 times greater than ClO₂. Chlorine (Cl₂) does not interfere.
 Tolerance: surfactant agents.
 Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD-1 method.
 Response time: 90 s approx.
 Start-up time: 1hr approx, the first time.
 Temperature compensation: Integrated.
 Maintenance: replacement of electrolyte after 3 to 6 months and the membrane every year.

WORKING CONDITIONS:

pH range: from 1 to 11.
 Working pressure: from 0 to 1 bar, without fluid hammers.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water and sea water up to 50 mS/cm.

CHARACTERISTICS:

Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software: 1 PID channel.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.

OUTPUTS:

- 3 - Potential-free alarm relay.
- 2 - Digital frequency output for dosing pumps.
- 2 - Analog 0/4-20 mA, galvanically isolated.
- 1 - Modbus slave RTU, galvanically isolated.
- 1 - SD card slot for logs.

Pre-assembled system with PRT controller and amperometric sensor with 2 membrane-covered electrodes. Detection of hydrogen peroxide in high concentrations with surfactant tolerance.

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-1A H2O2-H 200	10063412	0 - 200	0.1
PRT-1A H2O2-H 2000	10063413	0 - 2.000	1
PRT-1A H2O2-H 2%	10063414	0 - 20.000 (2%)	10
PRT-1A H2O2-H 5%	10063415	0 - 50.000 (5%)	100
PRT-1A H2O2-H 10%	10063416	0 - 100.000 (10%)	100

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: hydrogen peroxide (H₂O₂).
 Interference: must not contain ozone (O₃), chlorine (Cl₂), PES, sulfites, or phenols in aqueous solution greater than 3%.
 Tolerance: surfactant agents.
 Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD-1 method.
 Response time: 8 min. approx.
 Start-up time: 3hr approx., the first time.
 Temperature compensation: integrated.
 Maintenance: replacement of electrolyte after 3 to 6 months and the membrane every year.

WORKING CONDITIONS:

pH range: from 2 to 11.
 Working pressure: from 0 to 1 bar, without fluid hammers.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water.

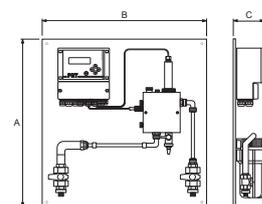
CHARACTERISTICS:

Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software 1 PID channel.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.

OUTPUTS:

- 3 - Potential-free alarm relay.
- 2 - Digital frequency output for dosing pumps.
- 2 - Analog 0/4-20 mA, galvanically isolated.
- 1 - Modbus slave RTU, galvanically isolated.
- 1 - SD card slot for logs.

PRT HYDROGEN PEROXIDE (H) CONTROLLER
 (tolerance of surfactant agents)



DIMENSIONS/MM

Model	A	B	C
PRT-1A	500	500	160

Pre-assembled system with PRT controller and amperometric sensor with 2 membrane-covered electrodes. Detection of peracetic acid with surfactant tolerance and conductive acids.

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-1A PAA-H 200	10063512	0 - 200	0.1
PRT-1A PAA-H 2000	10063513	0 - 2.000	1
PRT-1A PAA-H 2%	10063514	0 - 20.000 (2%)	10
PRT-1A PAA-H 5%	10063515	0 - 50.000 (5%)	100

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: peracetic acid (CH₃CO₃H).
 Interference: ozone (O₃) with a factor of 2500 of its measurement value. Sulfuric, nitric, and phosphoric acid up to 1%.
 Tolerance: surfactant agents.
 Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD method.
 Response time: from 1.5 to 5 min., depending on temperature.
 Start-up time: 3hr approx., the first time.
 Temperature compensation: integrated.
 Maintenance: replacement of electrolyte after 3 to 6 months and the membrane every year.

WORKING CONDITIONS:

Working pressure: from 0 to 1 bar, without fluid hammers.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water.

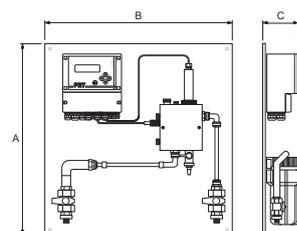
CHARACTERISTICS:

Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software: 1 PID channel.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.

OUTPUTS:

- 3 - Potential-free alarm relay.
- 2 - Digital frequency output for dosing pumps.
- 2 - Analog 0/4-20 mA, galvanically isolated.
- 1 - Modbus slave RTU, galvanically isolated.
- 1 - SD card slot for logs.

PRT PERACETIC ACID (H) CONTROLLER
 (tolerance of surfactant agents)

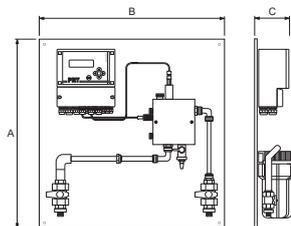


DIMENSIONS/MM

Model	A	B	C
PRT-1A	500	500	160

PRT pH/CHLORINE(P) CONTROLLER

(Especially for swimming pools)



Pre-assembled system with PRT controller, glass pH electrode and amperometric sensor with 3 membrane-covered electrodes. Detection of free chlorine with a constant pH value.

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-2A pH/CL-P 2 ¹	10064121	0.01 - 2.00	0.01
PRT-2A pH/CL-P 5	10064122	0.01 - 5.00	0.01

Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: NaClO (sodium hypochlorite), Ca(ClO)₂ (calcium hypochlorite), Cl₂ (chlorine), chlorine generated by electrolysis and organochlorides from isocyanuric acid (up to 500 mg/l of isocyanuric acid tested). Interference: detection of 100% chlorine dioxide (ClO₂). Ozone (O₃) can also be detected.
 Tolerance: limited tolerance of surfactants.
 Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD-1 method. The concentration of isocyanuric acid must be considered.
 Response time: 120 s approx.
 Start-up time: 2hr approx., the first time.
 Temperature compensation: integrated.
 Maintenance: replacement of electrolyte after 3 to 6 months and the membrane every year.

WORKING CONDITIONS:

pH range: from 4 to 12.
 Working pressure: from 0 to 0.5 bar, without fluid hammer.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water and sea water up to 50 mS/cm.

CHARACTERISTICS:

Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software: 2 PID channels.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.
 pH measurement range from 0 to 14.

OUTPUTS:

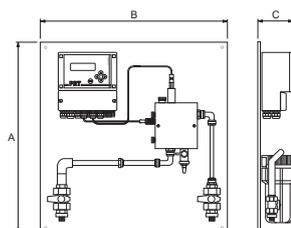
3 - Potential-free alarm relay.
 2 - Digital frequency output for dosing pumps.
 2 - Analog 0/4-20 mA, galvanically isolated.
 1 - Modbus slave RTU, galvanically isolated.
 1 - SD card slot for logs.

DIMENSIONS/MM

Model	A	B	C
PRT-2A	500	500	160

PRT pH/CHLORINE (H) CONTROLLER

(low pH dependence)



Pre-assembled system with PRT controller, glass pH electrode and amperometric sensor with 3 membrane-covered electrodes. Detection of free chlorine with low pH dependence and limited tolerance of surfactants for drinking water and sea water.

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-2A pH/CL-H 2	10064111	0.01 - 2.00	0.01
PRT-2A pH/CL-H 5 ¹	10064112	0.01 - 5.00	0.01
PRT-2A pH/CL-H 10	10064113	0.01 - 10.00	0.01
PRT-2A pH/CL-H 20	10064114	0.01 - 20.00	0.01
PRT-2A pH/CL-H 200	10064116	0.5 - 200.0	0.1

Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: NaClO (sodium hypochlorite), Ca(ClO)₂ (calcium hypochlorite), Cl₂ (chlorine), chlorine generated by electrolysis.
 Interference: ozone (O₃) with a factor of 0.8 and chlorine dioxide (ClO₂) with a factor of 0.75.
 Tolerance: limited to surfactant agents.
 Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD-1 method.
 Response time: 120 s approx.
 Start-up time: 2hr approx., the first time.
 Temperature compensation: integrated.
 Maintenance: Replacement of electrolyte after 3 to 6 months and the membrane every year.

CHARACTERISTICS:

Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software: 2 PID channels.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.
 pH measurement range from 0 to 14.

OUTPUTS:

3 - Potential-free alarm relay.
 2 - Digital frequency output for dosing pumps.
 2 - Analog 0/4-20 mA, galvanically isolated.
 1 - Modbus slave RTU, galvanically isolated.
 1 - SD card slot for logs.

WORKING CONDITIONS:

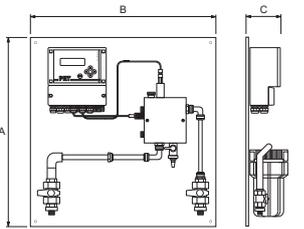
pH range: from 4 to 9.
 Working pressure: from 0 to 3 bar, without fluid hammers.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water and sea water up to 50 mS/cm.

DIMENSIONS/MM

Model	A	B	C
PRT-2A	500	500	160

Pre-assembled system with PRT controller, glass pH electrode and amperometric sensor with 2 membrane-covered electrodes. Detection of chlorine dioxide for drinking water without pH dependence.

PRT pH/CHLORINE DIOXIDE CONTROLLER



DIMENSIONS/MM

Model	A	B	C
PRT-2A	500	500	160

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-2A pH/CIO2 0.5	10064200	0.005 - 0.500	0.001
PRT-2A pH/CIO2 2 ¹	10064201	0.05 - 2.00	0.01
PRT-2A pH/CIO2 5	10064202	0.05 - 5.00	0.01
PRT-2A pH/CIO2 10	10064203	0.05 - 10.00	0.01

Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: chlorine dioxide (ClO₂).
 Interference: ozone (O₃) and chlorine (Cl₂) with a factor of 0.03.
 Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD-1 method.
 Response time: 15 s approx.
 Start-up time: 1hr approx, the first time.
 Temperature compensation: integrated.
 Maintenance: replacement of electrolyte after 3 to 6 months and the membrane every year.

CHARACTERISTICS:

Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption 20 W.
 Protection: IP65.
 Regulation software: 2 PID channels.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.
 pH measurement range from 0 to 14.

WORKING CONDITIONS:

pH range: from 1 to 11.
 Working pressure: from 0 to 1 bar, without fluid hammers.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water.

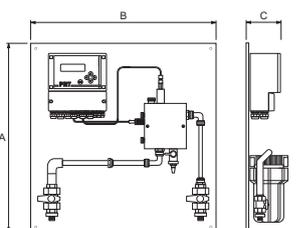
OUTPUTS:

3 - Potential-free alarm relay.
 2 - Digital frequency output for dosing pumps.
 2 - Analog 0/4-20 mA, galvanically isolated.
 1 - Modbus slave RTU, galvanically isolated.
 1 - SD card slot for logs.

Pre-assembled system with PRT controller, glass pH electrode and amperometric sensor with 2 membrane-covered electrodes. Detection of free chlorine dioxide without pH dependence and limited tolerance of surfactants for drinking water and sea water.

PRT pH/CHLORINE DIOXIDE (H) CONTROLLER

(with presence of chlorine)



DIMENSIONS/MM

Model	A	B	C
PRT-2A	500	500	160

Model	Code	Measurement range (ppm)	Resolution (ppm)
PRT-2A pH/CIO2-H 0.5	10064210	0.005 - 0.500	0.001
PRT-2A pH/CIO2-H 2 ¹	10064211	0.05 - 2.00	0.01
PRT-2A pH/CIO2-H 5	10064212	0.05 - 5.00	0.01
PRT-2A pH/CIO2-H 10	10064213	0.05 - 10.00	0.01
PRT-2A pH/CIO2-H 20	10064214	0.05 - 20.00	0.01
PRT-2A pH/CIO2-H 200	10064216	0.5 - 200.0	0.1

Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS OF THE SENSOR:

Measurement magnitude: chlorine dioxide (ClO₂).
 Interference: ozone (O₃) with a sensitivity 25 times greater than chlorine dioxide (ClO₂). Chlorine (Cl₂) does not interfere.
 Tolerance: surfactant agents.
 Calibration: in the controller once a month by means of analytical determination of chlorine based on DPD-1 method.
 Response time: 90 s approx.
 Start-up time: 1hr approx, the first time.
 Temperature compensation: integrated.
 Maintenance: replacement of electrolyte after 3 to 6 months and the membrane every year.

CHARACTERISTICS:

Supply voltage: 230 Vac ± 10%, 50/60 Hz.
 Consumption: 20 W.
 Protection: IP65.
 Regulation software: 2 PID channels.
 Connection delay up to 60 min.
 Temperature measurement with Pt100 or Pt1000.
 Temperature coefficient up to 8.0%.
 pH measurement range from 0 to 14.

WORKING CONDITIONS:

pH range: from 1 to 11.
 Working pressure: from 0 to 1 bar, without fluid hammers.
 Working temperature: 1 - 45 °C, without crystals.
 Fluid: drinking water and sea water up to 50 mS/cm.

OUTPUTS:

3 - Potential-free alarm relay.
 2 - Digital frequency output for dosing pumps.
 2 - Analog 0/4-20 mA, galvanically isolated.
 1 - Modbus slave RTU, galvanically isolated.
 1 - SD card slot for logs.





DOSING

electrical medication



medications

vaccines

dosificador MD

acids

prebiotics

supplements

Dosificador MD Advanced

Proportional and precision electrical medication, at zero pressure.

Range of high-precision proportional electrical dosing pumps with a stepper motor and highly chemical-resistant materials designed for the administration of:

Medications · Vaccines ·

Prebiotics · Acids · Supplements

Why use dosificador MD?

Water is an essential nutrient for all animals and the ideal medium to treat, prevent or cure any illnesses and health problems.

The pump's stepper motor ensures perfect homogenization, high-precision and a very high working range for the application of various liquids through pre-dilution or directly from the container.

All models can function with zero pressure in the water pipe and some even with flow rates below 6 l/h. The materials in contact with the liquid are made with high-quality components and permit direct contact with corrosive products, such as acids (consult chemical compatibility).



**High-precision proportional
electrical dosing pumps
with a stepper motor.**

**Simple, efficient, and
safe for all types of uses.**

DOSIFICADOR MD ECO



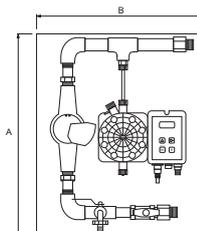
Dosificador MD with high chemical resistance, designed for the volumetric electronic application of medication simply and accurately.

Model	Code	Dosing pump	Max. flow rate	Connections (in inches)	Max p. (bar)	Voltage
DOSI ECO-MD25/30	17010025	TMS MF 0330 PV	2500 l/h	3/4	3	230 Vac
DOSI ECO-MD32/30	17010032	TMS MF 0330 PV	3500 l/h	1	3	230 Vac
DOSI ECO-MD25/30 CC	17010125	TMS MF 0230 PV CC	2500 l/h	3/4	2	12 Vdc
DOSI ECO-MD32/30 CC	17010132	TMS MF 0230 PV CC	3500 l/h	1	2	12 Vdc

Includes electrical dosing pumps.

DIMENSIONS/MM

Model	A	B	C
DOSI ECO-MD	500	400	170



CHARACTERISTICS:

Supply voltage: 230 Vac \pm 8%, 50/60 Hz or 12 Vdc \pm 10% (CC models).

Peak consumption: 1.6 A.

Noise level: \pm 74 dB(A).

Protection: IP65.

Dosage: from 0 to 2% of maximum flow rate of 1500 l/h.

Dosage: from 0 to 3% of maximum flow rate of 1000 l/h.

Starter flow rate: 10 l/h (MD25) / 20 l/h (MD32).

Dosing precision: \pm 2%.

Suction height: 1.5 m.

Fluid temperature: from 1 to 45 °C.

GENERAL INFORMATION:

TMS MF dosing pump (see characteristics in electrical dosing pumps section).

High chemical resistance (check compatibilities of materials).

Dosing percentage from 0.01 to 10% depending on water flow.

Usual working range: between 0.1 and 3%.

Programming by percentage, divider, multiplier, and ppm.

Input for control, level probe (optional), and programmable outputs for alarms.

Dosing pump and installation kit included.

MATERIALS:

Contact with water: PVC and brass.

Dosing head: PVDF.

Foot valve: PVDF.

Injection valve: PVDF.

Valve balls: ceramic.

Seals: Viton.

Membrane: PTFE.

NEW

Dosificador MD with high chemical resistance, designed for the volumetric electronic application of medication simply and accurately. The low flow rate models with high-performance flow meter and starter mechanism below 2 l/h, alongside the high-precision stepper pump, make this the idea system for low flow rates.

**DOSIFICADOR MD
ADVANCED ECO**

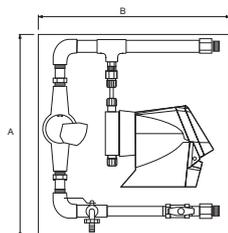
LOW FLOW RATE

Model	Code	Dosing pump	Max. flow rate	Connections (in inches)	Max p. (bar)	Voltage
DOSI ECO-MD25/28	17010225	PRISMA 0528 PV	2500 l/h	3/4	5	230 Vac
DOSI ECO-MD25/80	17010325	PRISMA 0280 PV	2500 l/h	3/4	2	230 Vac
DOSI ECO-MD25/28 CC	17010425	PRISMA 0528 PV CC	2500 l/h	3/4	5	12 Vdc
DOSI ECO-MD25/80 CC	17010525	PRISMA 0280 PV CC	2500 l/h	3/4	2	12 Vdc

STANDARD

Model	Code	Dosing pump	Max. flow rate	Connections (in inches)	Max p. (bar)	Voltage
DOSI ECO-MD32/28	17010232	PRISMA 0528 PV	3500 l/h	1	5	230 Vac
DOSI ECO-MD32/80	17010332	PRISMA 0280 PV	3500 l/h	1	2	230 Vac
DOSI ECO-MD32/28 CC	17010432	PRISMA 0528 PV CC	3500 l/h	1	5	12 Vdc
DOSI ECO-MD32/80 CC	17010532	PRISMA 0280 PV CC	3500 l/h	1	2	12 Vdc

Includes electrical dosing pumps.



DIMENSIONS/MM

Model	A	B	C
DOSI ECO-MD	500	500	200

CHARACTERISTICS:

Supply voltage: 230 Vac ± 8%, 50/60 Hz or 12 Vdc ± 10% (CC models).
 Power: 30 W.
 Protection: IP65.
 28-l/h model dosing: from 0 to 2% maximum flow rate of 1400 l/h.
 80-l/h model dosing: from 0 to 4% maximum flow rate of 2000 l/h.
 Starter flow rate: 2 l/h (MD25) / 20 l/h (MD32).
 Dosing precision: ±1%.
 Suction height: 1.5 m.
 Fluid temperature: from 1 to 45 °C.

GENERAL INFORMATION:

Dosing pump: PRISMA 0528 PV or PRISMA 0280 PV (see characteristics in electrical dosing pumps section).
 High chemical resistance (check compatibilities of materials).
 Dosing: depending on water flow rate.
 Usual working range: between 0.1 and 4%.
 Programming: cc per pulse, ppm, and percentage.
 Input for control, level probe, and programmable alarm outputs.
 Dosing pump and installation kit included.

MATERIALS:

Contact with water: PVC and brass.
 Dosing head: PVDF.
 Foot valve: PVDF.
 Injection valve: PVDF.
 Valve balls: ceramic.
 Seals: Viton.
 Membrane: PTFE.

NEW

DOSIFICADOR MD ADVANCED



Dosificador MD with high chemical resistance, designed for the volumetric electronic application of medication simply and accurately. Unparalleled precision and easy handling thanks to the simple and clear interface for the stepper motor dosing pump, with electronic stroke tuning system and high turn-down ratio. Low flow rate models with a high-performance meter and start up below 2 l/h.

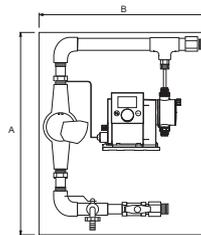
LOW FLOW RATE

Model	Code	Dosing pump	Max. flow rate	Connections (in inches)	Max p. (bar)	Materials
DOSI MD25/15 PVC	17011026	DDC-A 15 PVC	2500 l/h	3/4	4	PVC/V/C
DOSI MD25/30 PVC	17011126	DDA-AR 30 PVC	2500 l/h	3/4	4	PVC/V/C
DOSI MD25/15 PV	17011226	DDC-A 15 PV	2500 l/h	3/4	4	PV/T/C
DOSI MD25/30 PV	17011326	DDA-AR 30 PV	2500 l/h	3/4	4	PV/T/C

STANDARD

Model	Code	Dosing pump	Max. flow rate	Connections (in inches)	Max p. (bar)	Materials
DOSI MD32/30 PVC	17011132	DDA-AR 30 PVC	3500 l/h	1	4	PVC/V/C
DOSI MD32/30 PV	17011332	DDA-AR 30 PV	3500 l/h	1	4	PV/T/C

Includes electrical dosing pumps.



DIMENSIONS/MM

Model	A	B	C
DOSI MD	500	400	200

CHARACTERISTICS:

- Supply voltage: 230 Vac ± 10%, 50/60 Hz.
- Power: 12 W.
- Noise level: ± 60 dB(A).
- Protection: IP65.
- 15-l/h MD model dosing: from 0 to 2% for a flow rate of 750 l/h.
- 30-l/h MD model dosing: from 0 to 2% for a flow rate of 1,500 l/h / from 0 to 3% for a flow rate of 1,000 l/h.
- Starter flow rate: 2 l/h (MD25) / 20 l/h (MD32).
- Dosing precision: ± 1%.
- Suction height: 4 m.
- Fluid temperature: from 1 to 45 °C.

GENERAL INFORMATION:

- DDC-A or DDA-AR dosing pump (see characteristics in electrical dosing pumps section).
- High chemical resistance (check compatibilities of materials).
- Pump with dynamic stepper motor with transmission.
- Dosing percentage from 0.001 to 6% depending on the water flow rate.
- Usual working range: between 0.1 and 3%.
- Very simple pulse programming (ml/pulse).
- Input for control, level probe (optional), and programmable outputs for alarms.
- Scalable analog inputs and outputs with the DDA model.
- Dosing pump and installation kit included.

MATERIALS:

- Contact with water: PVC and brass.
- Dosing head: PVC or PVDF (PV).
- Foot valve: HDPE or PVDF (PV).
- Injection valve: PVC or PVDF (PV).
- Valve balls: ceramic.
- Seals: Viton (V) or PTFE (T).
- Membrane: PTFE.

NEW

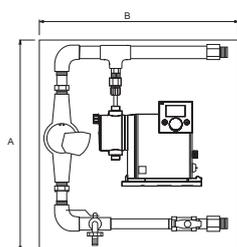
Dosificador MD with high chemical resistance, designed for the volumetric electronic application of medication simply and accurately. Unparalleled precision and easy handling thanks to the simple and clear interface for the stepper motor dosing pump, with electronic stroke tuning system and high turn-down ratio.

**DOSIFICADOR MD
ADVANCED XL**



Model	Code	Dosing pump	Max. flow rate	Connections (in inches)	Max p. (bar)	Voltage
DOSI MD40/120	17011440	DDA-AR XL 120 PVC	6000 l/h	1 ¼	7	230 Vac
DOSI MD40/200	17011441	DDA-AR XL 200 PVC	6000 l/h	1 ¼	4	230 Vac
DOSI MD50/200	17011450	DDA-AR XL 200 PVC	10,000 l/h	1 ½	4	230 Vac

Includes electrical dosing pumps.



DIMENSIONS/MM

Model	A	B	C
DOSI MD	700	700	200

CHARACTERISTICS:

- Supply voltage: 100 - 240 Vac ± 10%, 50/60 Hz.
- Power: 62 W.
- Protection: IP65.
- 120-l/h MD40 model dosing: from 0 to 2% for a flow of 6000 l/h / from 0 to 5% for a flow of 2400 l/h.
- 200-l/h MD40 model dosing: from 0 to 5% for flow of 4000 l/h.
- 200-l/h MD50 model dosing: from 0 to 2% for flow of 10,000 l/h / from 0 to 5% for flow of 4000 l/h.
- Flexible pump pipe: 19x26 mm.
- Dosing precision: ±1%.
- Suction height: 3 m.
- Fluid temperature: from 1 to 45 °C.

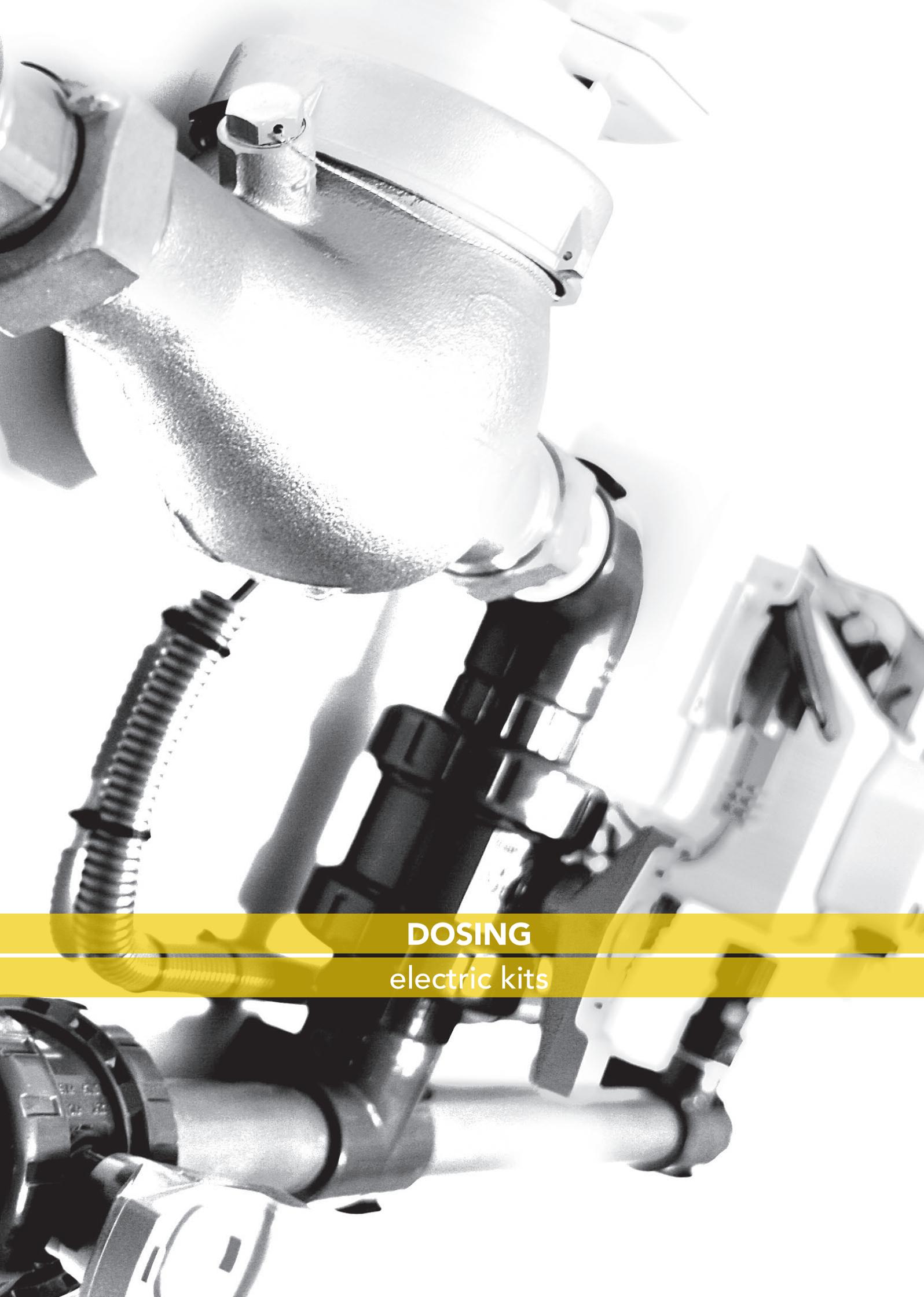
GENERAL INFORMATION:

- Dosing pump: DDA-AR XL 120 PVC or DDA-AR XL 200 PVC (see characteristics in electrical dosing pumps section).
- High chemical resistance (check compatibilities of materials).
- Pump with dynamic stepper motor with transmission.
- Dosing: depending on water flow rate.
- Usual working range: between 0.1 and 2%.
- Programming: cc per pulse (ml/pulse).
- Input for control, level probe (optional), and programmable outputs for alarms.
- Dosing pump and installation kit included.

MATERIALS:

- Contact with water: PVC and brass.
- Dosing head: PVC or PVDF (PV).
- Foot valve: HDPE or PVDF (PV).
- Injection valve: PVC or PVDF (PV).
- Valve balls: ceramic.
- Seals: Viton (V) or PTFE (T).
- Membrane: PTFE.





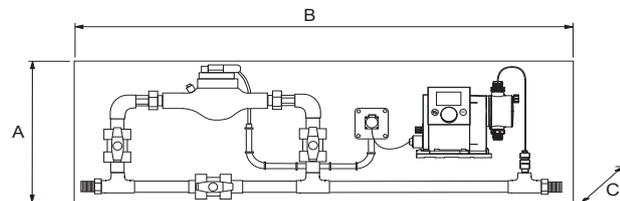
DOSING
electric kits

PT PANEL

Pre-assembled dosing panels to facilitate installation of a proportional electrical dosing pumps.

Model	Code	Thread (in inches)	Meter model	Flow rates (l/h)	
				Min. q	Max. q.
PT20/120-C	17120020	1/2	120-C 15.115	30	2500
PT20/620-C	17120120	1/2	620-C 15.115	3	2500
PT25/120-C	17120025	3/4	120-C 20.115	50	4000
PT25/620-C	17120125	3/4	620-C 20.190	6	4000
PT32/420PC	17120032	1	420PC 25.260	50	6300
PT40/420PC	17120040	1¼	420PC 30.260	90	10,000
PT50/420PC	17120050	1½	420PC 40.300	150	16,000

Electrical dosing pumps not included.



DIMENSIONS/MM

Model	A	B	C
PT20/120-C	350	800	100
PT20/620-C	350	800	110
PT25/120-C	350	800	110
PT25/620-C	350	1000	145
PT32/420PC	350	1000	125
PT40/420PC	450	1200	140
PT50/420PC	450	1200	180

CHARACTERISTICS:

Maximum working pressure: 10 bar.
Temperature: from 1 to 35 °C.

GENERAL MATERIAL DATA:

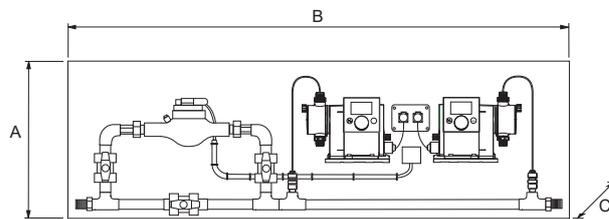
PVC pipes, fittings, and valves.
White PVC support panel.
Integrated bypass.
Meter and pulse emitter included.
External pulse output with OPT-4b pulse link (optional).
Electrical pre-installation.
Electrical dosing pumps (not included).

Pre-assembled dosing panels to facilitate installation of two proportional electrical dosing pumps.

PTD PANEL

Model	Code	Thread (in inches)	Meter model	Flow rates (l/h)	
				Min. q	Max. q.
PTD20/120-C	17122020	1/2	120-C 15.115	30	2500
PTD20/620-C	17122120	1/2	620-C 15.115	3	2500
PTD25/120-C	17122025	3/4	120-C 20.115	50	4000
PTD25/620-C	17122125	3/4	620-C 20.190	6	4000
PTD32/420PC	17122032	1	420PC 25.260	50	6300
PTD40/420PC	17122040	1¼	420PC 30.260	90	10,000
PTD50/420PC	17122050	1½	420PC 40.300	150	16,000

Electrical dosing pumps not included.



DIMENSIONS/MM

Model	A	B	C
PTD20/120-C	350	1000	100
PTD20/620-C	350	1000	110
PTD25/120-C	350	1200	110
PTD25/620-C	350	1200	145
PTD32/420PC	350	1200	125
PTD40/420PC	450	1500	140
PTD50/420PC	450	1500	180

CHARACTERISTICS:

Maximum working pressure: 10 bar.
Temperature: from 1 to 35 °C.

GENERAL MATERIAL DATA:

PVC pipes, fittings, and valves.
White PVC support panel.
Integrated bypass.
Meter and pulse emitter included.
External pulse output with OPT-4b pulse link.
Electrical pre-installation.
Electrical dosing pumps (not included).



WE DESIGN, MANUFACTURE AND INSTALL TAILOR-MADE EQUIPMENT BASED ON OUR CLIENTS' NEEDS.



H319 · H400
Chlorine dioxide solution
(ClO₂)
CAS: 10049-04-4
EINECS: 233-162-8



SOLUTION TANK

DOSING

chlorine dioxide generators



Biopure® is a range of equipment and products mainly designed for water treatments with in-situ-generated chlorine dioxide as the active substance. Whether manual or automatic, the systems for preparing the product guarantee a chlorine dioxide purity of 99% or higher, with varying concentrations according to the products of the range. Chlorine dioxide is also used in agriculture or aquaculture, among other sectors, as well as for the sterilization of medical and laboratory material and the disinfection of surfaces or tools.

www.biopure.es

MAIN CHARACTERISTICS

It is a broad-spectrum disinfectant (bacteria, fungi, viruses, etc.)
It destroys biofilms
It is highly effective, even in the presence of organic material
Fast-acting, allowing for short contact times

No odor or taste transfer to water
No by-products from the disinfection are formed, such as THMs or chloramines
It can be used in a wide array of areas, regardless of the pH
High residual persistence

MAIN SECTORS



Drinking water



Livestock farming



Food industry



Agriculture



Hospitals and clinics



Water refrigeration systems

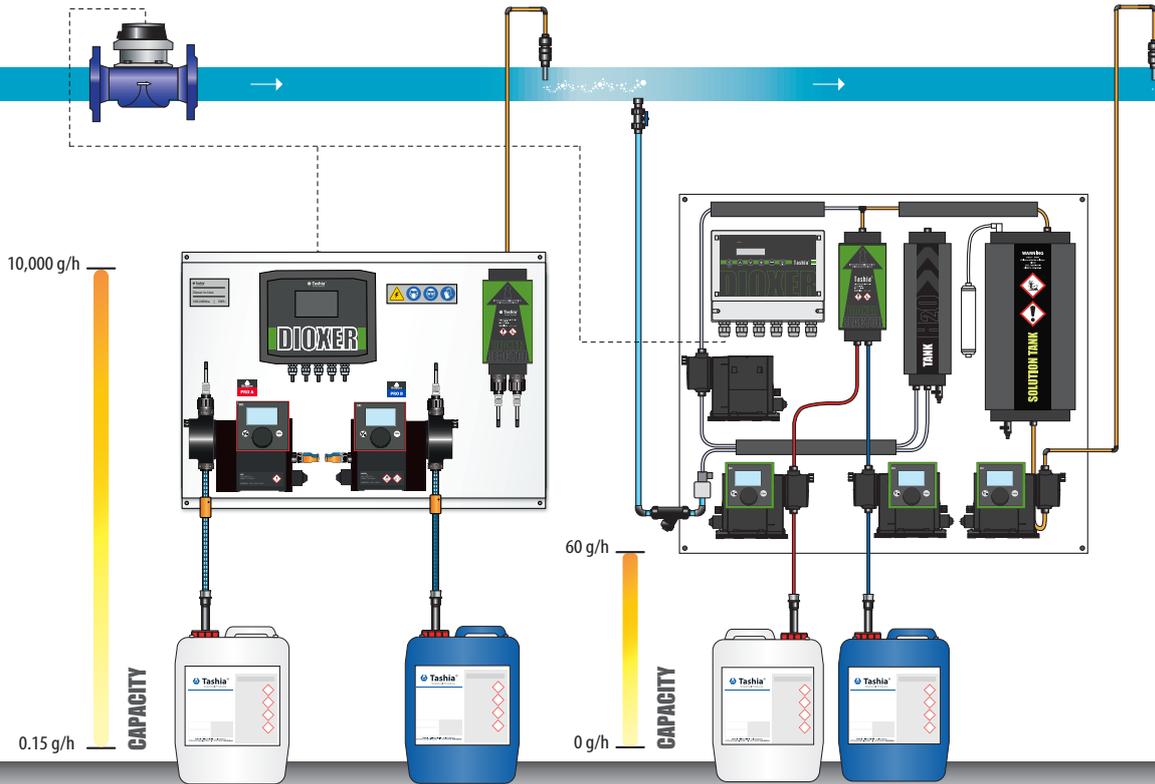


Waste and process water

PRODUCTS

BIOPURE[®] PRO

ClO₂ is generated by means of two precursors, Biopure Pro A and Biopure Pro B, exclusively formulated to be used in the Dioxer and Oxiperm automatic equipment, designed for the generation and dosing of ClO₂.



BIOPURE[®] PRO IN-LINE

BIOPURE[®] PRO BATCH

- Large volumes of water to be treated.
- Good quality-price-efficiency ratio.
- Pumps with stepper motor for low-volume applications with in-line equipment.
- Clear and user-friendly interface for easy handling.
- Multiple external control options: tank control, management with in-line analyzers, gas detectors...
- Remote control through different communication protocols depending on the model.

- Excellent price-quality-accuracy ratio.
- Ideal for non-continuous applications and very low volumes of water to be treated.
- The multi-point injection system provides great accuracy and optimizes costs in multiple installations.
- Clear and user-friendly interface for easy handling.
- Multiple external control options: tank control, management with in-line analyzers, gas detectors...
- Remote control through different communication protocols depending on the model.

NEW

IN LINE
GENERATION
SYSTEM
SIMPLE
EFFECTIVE
SAFE



IN-LINE DIOXER

CHLORINE DIOXIDE GENERATOR

NEW

Automatic in-line system for the generation and application of chlorine dioxide in water, through the combination of chlorite and acid with proper dosing and mixing. It incorporates a clear and intuitive interface designed for easy handling, with new operating modes compared to its predecessor and a new frame of control pulses offering an excellent 1:100 ratio in the continuous generation of chlorine dioxide.

**IN-LINE DIOXER
CHLORINE DIOXIDE
GENERATOR**
(In-Line Pro)

Model	Code	ClO ₂ capacity (g/h)	Max. p. (bar)	Dosing pumps
DIOXER IN-LINE 15	10025301	0.15 - 15	10	2 x DDC-AR 6 PVC
DIOXER IN-LINE 40	10025304	0.40 - 40	10	2 x DDC-AR 6 PVC
DIOXER IN-LINE 80	10025308	0.80 - 80	10	2 x DDC-AR 6 PVC
DIOXER IN-LINE 120	10025312	1.20 - 120	10	2 x DDC-AR 6 PVC
DIOXER IN-LINE 220	10025322	2.20 - 220	10	2 x DDC-AR 6 PVC

Suction lines not included.

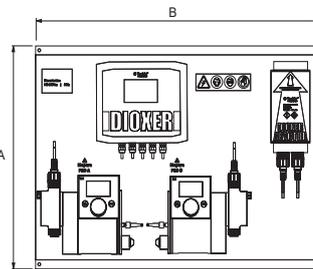
CHARACTERISTICS:
Supply voltage: 100/240 V, 50/60Hz.
Power: 65 W.
Touchscreen: 4.5".
Working temperature: from 5 to 35 °C.

Outputs: regulation of pumps by pulses, auxiliary pump control, confirmation of pump function, pump alarm, Dioxer In-Line operating and Dioxer In-Line alarm. Product output connection: 4-6 mm pipe in PVDF or PTFE.

GENERAL INFORMATION:
Protection: IP65.
Operating modes: Volumetric, Manual 4-20 mA and Batch.
Pump suction lines.
Empty pipe detector.
Inputs: contact signal, remote connect/disconnect, batch start signal, generation speed control, empty tank notification, inhibit and gas detector.

STANDARD MATERIALS:
Support: polyethylene.
Pump: PVC.
Pipes: PTFE and PE.
Seals: FPM.

OPTIONS:
Gas leak detector.



DIMENSIONS/MM

Model	A	B	C
DIOXER	790	590	300



Automatic batch system for the generation and application of chlorine dioxide in water, through the combination of chlorite and acid with proper dosing and mixing.

**DIOXER PRO
CHLORINE DIOXIDE
GENERATOR**
(Batch Pro)

Model	Code	ClO ₂ capacity (g/h)	Max. p. (bar)	Dosing pumps	
				Chemicals	Chlorine dioxide
DIOXER PRO 12 g/h	10025001	0 - 12	10	2 x DDE 6 l/h	DDC 6 l/h
DIOXER PRO 32 g/h	10025003	0 - 32	4	2 x DDE 6 l/h	DDC 15 l/h

Suction lines not included.

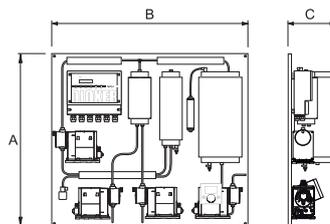
CHARACTERISTICS:
Supply voltage: 100/240 V, 50/60 Hz.
Power: 60 VA.
Working temperature: from 5 to 35 °C.

Outputs: operation confirmation, notification, and alarm. Product output connection: 6x12-m PVC pipe.

GENERAL INFORMATION:
Protection: IP65.
Inputs: contact signal, remote connect/disconnect, pump flow control at 4-20 mA, empty tank notification, programmable auxiliary alarm, inhibit, gas detector.

STANDARD MATERIALS:
Support: polypropylene.
Pump: PVC.
Pipes: PTFE and PE.
Seals: FPM.

OPTIONS:
Multiple injection points.
Gas leak detector.



DIMENSIONS/MM

Model	A	B	C
DIOXER PRO	900	1000	220



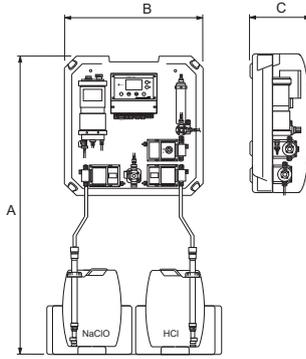
OXIPERM OCD 162 CHLORINE DIOXIDE GENERATOR

(Batch)



Automatic batch systems for the generation and application of chlorine dioxide in water, through the combination of chlorite and acid with proper dosing and mixing.

Model	Code	ClO ₂ capacity (g/h)	Max. p. (bar)	Dosing pumps	
				Chemicals	Chlorine dioxide
OCD162-II/10	10024110	0 - 10	10	2 x DDE 6 l/h	DDC 6 l/h



DIMENSIONS/MM

Model	A	B	C
OCD162	1600	765	328

CHARACTERISTICS:

Supply voltage: 230/240 V, 50/60 Hz.
Power: 50 VA.
Working temperature: from 5 to 35 °C.

GENERAL INFORMATION:

Protection: IP65.
Panel input and output connections: 4/6 (DN4).
Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, tank-empty notification, alarm signal for gas and preparation tank error (max., min., overflow).

Outputs: 0/4-20 mA signal, error notification, empty early warning, and manual/automatic operation.

STANDARD MATERIALS:

Support: PP.
Pump: PVC (gray).
Pipes: PVC (gray).
Seals: FPM/PTFE.

OPTIONS:

GSM module for alarm notification.
Gas leak detector.

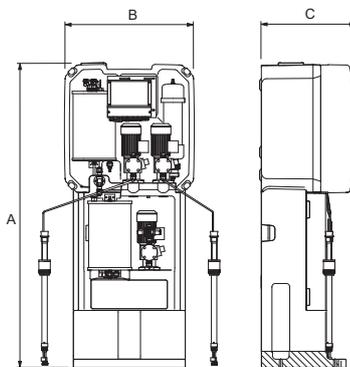
OXIPERM OCD162 HF CHLORINE DIOXIDE GENERATOR

(Batch)



Automatic batch systems for the generation and application of chlorine dioxide in water, through the combination of chlorite and acid with proper dosing and mixing.

Model	Code	ClO ₂ capacity (g/h)	Max. p. (bar)	Dosing pumps	
				Chemicals	Chlorine dioxide
OCD162-II/30	10024130	0 - 30	4	2 x DDE 15 l/h	DDC 15 l/h
OCD162-II/60	10024160	0 - 60	4	2 x DMX 35 l/h	DDA 30 l/h



DIMENSIONS/MM

Model	A	B	C
OCD162-II/30	1813	766	568
OCD162-II/60	1813	766	568

CHARACTERISTICS:

Supply voltage: 230 V, 50 Hz.
OCD162-30 power: 180 VA.
OCD162-60 power: 320 VA.
Working temperature: from 5 to 40 °C.

GENERAL INFORMATION:

Protection: IP65 and IP44.
Panel input and output connections: 6/12 (DN8).
Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, tank-empty notification, alarm signal for gas and preparation tank error (max., min., overflow).
Outputs: 0/4-20 mA signal, error notification, empty early warning, and manual/automatic operation.

STANDARD MATERIALS:

Support: PP.
Pump: PVC (gray).
Pipes: PVC (gray).
Seals: FPM/PTFE.

OPTIONS:

GSM module for alarm notification.
Gas leak detector.

SUCTION SET

Model	Code	Description
DIOXER-ASP 20/30L	10025802	Dioxer rigid suction lance for 20/30-l bottle.
DIOXER-ASP 200L	10025812	Dioxer rigid suction lance for 60 / 200-l drum.
DIOXER-ASP 1000L	10025821	Dioxer rigid suction lance for GRG tanks.

Accessories for Dioxer and Dioxer Pro.

INSTALLATION KIT

Model	Code	Description
DIOXER-KIT	10025850	Dioxer installation kit
DIOXER PRO-KIT	10025860	Dioxer Pro installation kit

Accessories for Dioxer and Dioxer Pro.

OTHERS

Model	Code	Description
BALIZA/RJ 230I	10025910	Flashing red beacon with buzzer, 230 Vac (interior)
BALIZA/RJ 230E	10025911	Flashing red beacon with buzzer, 230 Vac (exterior)
BALIZA/VE 230E	10025912	Flashing green beacon, 230 Vac IP65 (exterior)

Accessories for Dioxer and Dioxer Pro.
Compatible with other equipment.

ACCESSORIES







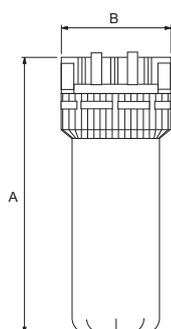
WATER TREATMENT
cartridge filters

FP3 CONTAINER



3-piece containers for robust and food-grade filter cartridges made from plastic. Standard series.

Model	Code	Connections (in inches)	Height (in inches)	Cartridge
FP3 5/20T	10100020	1/2	5	transparent
FP3 9/25T	10100125	3/4	9 3/4	transparent
FP3 9/32T	10100132	1	9 3/4	transparent
FP3 20/32T	10100232	1	20	transparent
FP3 9/25	10101125	3/4	9 3/4	opaque
FP3 9/32	10101132	1	9 3/4	opaque
FP3 20/32	10101232	1	20	opaque



DIMENSIONS/MM

Model	A	B
FP3 5/20	174	122
FP3 9/25	294	122
FP3 9/32	299	122
FP3 20/32	570	122

CHARACTERISTICS:

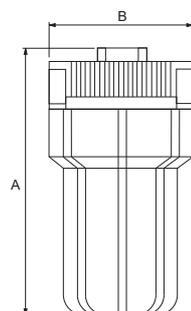
Polypropylene (PP) head with bronze threaded insert.
 Transparent SAN or white PP cartridge.
 PP ring.
 NBR 70 SH seal.
 Manual deaeration nut.
 Maximum working pressure: 8 bar.
 Burst pressure: 35 bar.
 Working temperature: from 1 to 50°C.
 Cartridge not included.

FP2S CONTAINER



2-piece containers for robust and food-grade filter cartridges made from plastic. Probe-holder series.

Model	Code	Connections (in inches)	Height (in inches)	Cartridge
FP2S 5/20T	10109020	1/2	5	transparent



DIMENSIONS/MM

Model	A	B
FP2S	176	98

CHARACTERISTICS:

Polypropylene (PP) head with bronze threaded insert.
 Transparent SAN cartridge.
 NBR 70 SH seal.
 Upper probe socket.
 Maximum working pressure: 8 bar.
 Burst pressure: 36 bar.
 Working temperature: from 1 to 50 °C.
 Cartridge not included.

2-piece containers for robust and food-grade filter cartridges made from plastic. Big series.

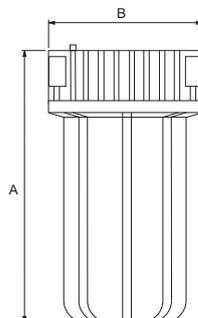
Model	Code	Connections (in inches)	Height (in inches)	Cartridge
BIG 20/50T	10108250	1½	20	transparent

CHARACTERISTICS:

Polypropylene (PP) head.
 Transparent SAN cartridge.
 NBR 70 SH seal.
 Manual deaeration button.
 Maximum working pressure: 8 bar.
 Burst pressure: 35 bar.
 Working temperature: from 1 to 50 °C.
 Cartridge not included.

DIMENSIONS/MM

Model	A	B
BIG	625	185



BIG CONTAINER



Code	Description
10190100	FP2/FP3 filter metal support
10190101	BIG filter metal support
10190200	3p filter plastic key
10190201	BIG filter plastic key

ACCESSORIES



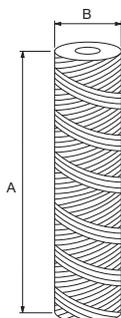
FA CARTRIDGE



Non-toxic, food-grade polypropylene wound filter cartridges capable of providing good nominal filtration levels.

Model	Code	Height (in inches)	Filtration (in microns)
CART 5FA	10140001	5	1
	10140005 ¹	5	5
	10140010	5	10
	10140020 ¹	5	20
	10140030	5	30
	10140050	5	50
	10140100	5	100
CART 9FA	10141001 ¹	9	1
	10141005 ¹	9	5
	10141010 ¹	9	10
	10141020 ¹	9	20
	10141030	9	30
	10141050 ¹	9	50
	10141100	9	100
CART 20FA	10142001 ¹	20	1
	10142005 ¹	20	5
	10142010	20	10
	10142020 ¹	20	20
	10142030	20	30
	10142050	20	50
	10142100 ¹	20	100
CART BIG20FA	10143001	20	1
	10143005 ¹	20	5
	10143010	20	10
	10143020	20	20
	10143050 ¹	20	50
	10143100 ¹	20	100

Code ¹: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B
CART 5FA	127	61
CART 9FA	244	61
CART 20FA	508	61
CART BIG20FA	508	114

CHARACTERISTICS:

100% Polypropylene (PP) wound string.
 Polypropylene (PP) structure.
 Filtration efficacy: 80%.
 Maximum working pressure: 6 bar.
 Maximum pressure differential: 0.8 bar.
 Working temperature: from 1 to 80 °C.
 Internal diameter: 28 mm.

Non-toxic and food-grade pleated filter cartridges made from polyester and cellulose, highly effective and with a large filtration area.

Model	Code	Height (in inches)	Filtration (in microns)
CART 9PL	10146000	9	0.35
	10146001 ¹	9	1
	10146005 ¹	9	5
	10146010	9	10
	10146020 ¹	9	20
	10146050 ¹	9	50
CART 20PL	10147001	20	1
	10147005 ¹	20	5
	10147020 ¹	20	20
CART BIG20PL	10148020 ¹	20	20

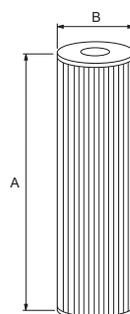
Code¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS:

Pleated polyester and cellulose body.
 Polypropylene (PP) structure.
 Filtration efficacy: 95%.
 Maximum working pressure: 6 bar.
 Maximum pressure differential: 0.8 bar.
 Working temperature: from 1 to 65 °C.
 Internal diameter: 28 mm.

DIMENSIONS/MM

Model	A	B
CART 9PL	244	70
CART 20PL	508	70
CART BIG20PL	508	116



PL CARTRIDGE



Non-toxic, food-grade polyamide mesh filter cartridges with minimum head loss.

Model	Code	Height (in inches)	Filtration (in microns)
CART 5RLA	10150080 ¹	5	80
	10150250	5	250
CART 9RLA	10151080 ¹	9	80
	10151250 ¹	9	250
CART 20RLA	10152080 ¹	20	80
	10152250	20	250
CART BIG20RLA	10153080 ¹	20	80

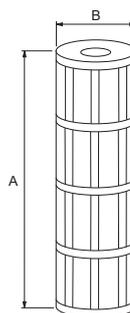
Code¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS:

Polyamide (PA) body.
 Polypropylene (PP) structure.
 PVC seal.
 Washable mesh.
 Filtration efficacy: 75%.
 Maximum working pressure: 6 bar.
 Maximum pressure differential: 0.8 bar.
 Working temperature: from 1 to 80 °C.
 Internal diameter: 27 mm.

DIMENSIONS/MM

Model	A	B
CART 5RLA	127	65
CART 9RLA	244	65
CART 20RLA	508	65
CART BIG20RLA	508	116



RLA CARTRIDGE



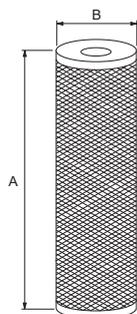
AC CARTRIDGE



Non-toxic, food-grade stainless-steel mesh filter cartridges with minimum head loss.

Model	Code	Height (in inches)	Filtration (in microns)
CART 5AC	10155080	5	80
CART 9AC	10156080 ¹	9	80
CART 20AC	10157080	20	80

Code ¹: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B
CART 5AC	127	70
CART 9AC	244	70
CART 20AC	508	70

CHARACTERISTICS:

AISI 304 stainless-steel body.
 Polypropylene (PP) structure.
 PVC seal.
 Washable mesh.
 Filtration efficacy: 75%.
 Maximum working pressure: 6 bar.
 Maximum pressure differential: 0.8 bar.
 Working temperature: from 1 to 80 °C.
 Internal diameter: 27 mm.

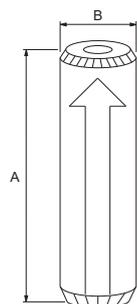
GAC CARTRIDGE



Granular activated carbon filter cartridges to eliminate organic pollutants, heavy materials, free chlorine, odors and tastes, etc.

Model	Code	Height (in inches)	Filtration (in microns)
CART 9GAC	10161040 ¹	9	40
CART 20GAC	10162040 ¹	20	40

Code ¹: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B
CART 9GAC	244	72
CART 20GAC	508	72

CHARACTERISTICS:

Granular activated carbon load.
 Polypropylene (PP) structure.
 PVC seal.
 Filtration efficacy: 95%.
 Maximum working pressure: 6 bar.
 Maximum pressure differential: 0.8 bar.
 Working temperature: from 1 to 50 °C.
 Internal diameter: 26 mm.

Compacted activated carbon filter cartridges to eliminate organic pollutants, heavy materials, free chlorine, odors and tastes, etc.

CTO CARTRIDGE

Model	Code	Height (in inches)	Filtration (in microns)
CART 9CTO	10166010 ¹	9	10
CART 20CTO	10167010 ¹	20	10

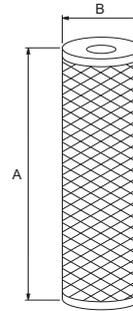
Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS:

Compacted activated carbon load.
 Polypropylene (PP) structure.
 PVC seal.
 Filtration efficacy: 95%.
 Maximum working pressure: 6 bar.
 Maximum pressure differential: 0.8 bar.
 Working temperature: from 1 to 50 °C.
 Internal diameter: 26 mm.

DIMENSIONS/MM

Model	A	B
CART 9CTO	244	72
CART 20CTO	508	72



Polyphosphate filter cartridges to inhibit the precipitation of calcium and magnesium.

CP CARTRIDGE

Model	Code	Height (in inches)
CART 9CP	10171020	9
CART 20CP	10172020	20

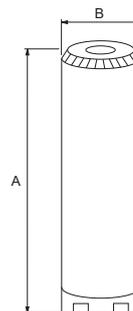
Code ¹: Models usually in stock. For other models, please check the delivery time.

CHARACTERISTICS:

Polyphosphate load.
 PST structure.
 PVC seal.
 Maximum working pressure: 6 bar.
 Maximum pressure differential: 0.8 bar.
 Working temperature: from 1 to 38 °C.
 Internal diameter: 27 mm.

DIMENSIONS/MM

Model	A	B
CART 9CP	244	72
CART 20CP	508	72



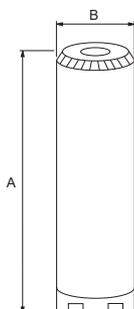
CV CARTRIDGE



Empty transparent cartridge containers.

Model	Code	Height (in inches)
CART 9CV	10176000 ¹	9
CART 20CV	10177000 ¹	20

Code ¹: Models usually in stock. For other models, please check the delivery time.



DIMENSIONS/MM

Model	A	B
CART 9CV	244	72
CART 20CV	508	72

CHARACTERISTICS:

- PST structure.
- PVC seal.
- Maximum working pressure: 6 bar.
- Maximum pressure differential: 0.8 bar.
- Working temperature: from 1 to 40 °C.
- Internal diameter: 27 mm.
- Load not included.

WATER TREATMENT

multi-layer filters

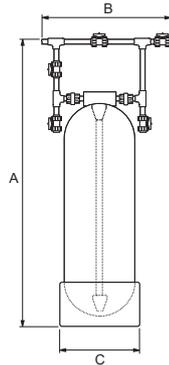


MULTI-LAYER FILTER MANUAL



High-bed filters with zeolite load of different particle sizes for the retention of suspended solids. There are other types of load available for specific applications (check).

Model	Code	Connect. (in inches)	Service flow rate (m ³ /h) according to filtration speed (m ³ /m ² /h)					Wash flow rate (m ³ /h)
			10	15	20	30	50	
FMM 250 Z	10131250	3/4	0.5	0.75	1	1.5	2.5	2.50
FMM 300 Z	10131300	3/4	0.75	1	1.5	2	3.5	3
FMM 330 Z	10131330	1	0.85	1.30	1.70	2.55	4.25	3.50
FMM 350 Z	10131350	1	1	1.5	2	3	5	3.50



DIMENSIONS/MM

Model	A	B	C
FMM 250 Z	1560	515	269
FMM 300 Z	1525	560	315
FMM 330 Z	1595	620	341
FMM 350 Z	2020	655	380

CHARACTERISTICS:

Working pressure: from 1 to 8.5 bar.
 Wash pressure: from 2 to 5.5 bar.
 Temperature: from 1 to 40 °C.
 Filtration speed: from 10 to 50 m³/m²/h depending on applications.
 Ideally below 20 m³/m²/h.

GENERAL MATERIAL DATA:

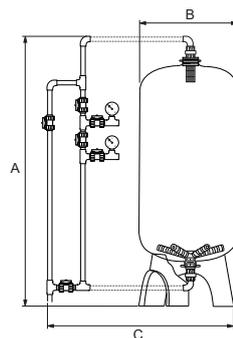
FG polyester vessel with food-grade PE internal coating.
 Internal distributors.
 PVC valve manifold.
 Silex and anthracite filter load included.

MULTI-LAYER FILTER MANUAL



High-bed filters with zeolite load of different particle sizes for the retention of suspended solids. There are other types of load available for specific applications (check).

Model	Code	Connect. (in inches)	Service flow rate (m ³ /h) according to filtration speed (m ³ /m ² /h)					Wash flow rate (m ³ /h)
			10	15	20	30	50	
FMM 400 Z	10131400	1¼	1.25	1.85	2.5	3.75	6.25	4.5
FMM 450 Z	10131450	1¼	1.6	2.4	3.2	4.8	8	5.5
FMM 550 Z	10131550	1½	2.1	3.15	4.2	6.3	10.5	7
FMM 600 Z	10131600	1½	2.7	4.05	5.4	8.1	13.5	10
FMM 750 Z	10131750	2	4.3	6.45	8.6	12.9	21.5	15
FMM 900 Z	10131900	2	6.25	9.75	13.5	19.5	31.25	20



DIMENSIONS/MM

Model	A	B	C
FMM 400 Z	2030	406	656
FMM 450 Z	2090	469	710
FMM 550 Z	2106	522	822
FMM 600 Z	2346	595	895
FMM 750 Z	2323	746	1046
FMM 900 Z	2334	896	1196

CHARACTERISTICS:

Working pressure: from 1 to 8.5 bar.
 Wash pressure: from 2 to 8.5 bar.
 Temperature: from 1 to 40 °C.
 Filtration speed: from 10 to 50 m³/m²/h depending on applications.
 Ideally below 20 m³/m²/h.

GENERAL MATERIAL DATA:

Polyamide or FG polyester vessel with food-grade PE internal coating.
 Internal distributors.
 Load and discharge valve.
 PVC valve manifold.
 Manometers to control the pressure.
 Silex and anthracite filter load included.

High-bed filters loaded with zeolite of different particle sizes for the retention of suspended solids. There are other types of load available for specific applications (check).

MULTI-LAYER FILTER AUTOMATIC

Model	Code	Connect. (in inches)	Service flow rate (m ³ /h) according to filtration speed (m ³ /m ² /h)					Wash flow rate (m ³ /h)
			10	15	20	30	50	
FMA 200 Z	10121200	1	0.30	0.45	0.60	1.5	2	2
FMA 250 Z	10121250	1	0.5	0.75	1	1.5	2.5	2.50
FMA 300 Z	10121300	1	0.75	1	1.5	2	3.5	3
FMA 330 Z	10121330	1	0.85	1.30	1.70	2.55	4.25	3.50
FMA 350 Z	10121350	1	1	1.5	2	3	5	3.50

CHARACTERISTICS:

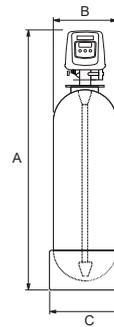
Working pressure: from 2 to 8.5 bar.
 Wash pressure: from 2 to 8.5 bar.
 Temperature: from 1 to 40 °C.
 Electrical supply: 100-240 Vac / 50-60 Hz.
 Filtration speed: from 10 to 50 m³/m²/h depending on applications.
 Ideally below 20 m³/m²/h.

GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating.
 Internal distributors.
 Automatic valve with programmable wash times.
 Zeolite filtration load with different particle sizes.

DIMENSIONS/MM

Model	A	B	C
FMA 200 Z	1136	208	220
FMA 250 Z	1619	257	269
FMA 300 Z	1570	304	315
FMA 330 Z	1606	334	341
FMA 350 Z	1892	369	380



High-bed filters loaded with zeolite of different particle sizes for the retention of suspended solids. There are other types of load available for specific applications (check).

MULTI-LAYER FILTER ADVANCED

Model	Code	Connect. (in inches)	Service flow rate (m ³ /h) according to filtration speed (m ³ /m ² /h)					Wash flow rate (m ³ /h)
			10	15	20	30	50	
FMA-A 200 Z	10122200	1	0.30	0.45	0.60	1.5	2	2
FMA-A 250 Z	10122250	1	0.5	0.75	1	1.5	2.5	2.50
FMA-A 300 Z	10122300	1	0.75	1	1.5	2	3.5	3
FMA-A 330 Z	10122330	1	0.85	1.30	1.70	2.55	4.25	3.50
FMA-A 350 Z	10122350	1	1	1.5	2	3	5	3.50

CHARACTERISTICS:

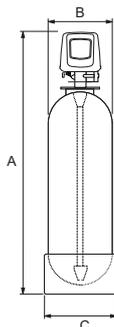
Working pressure: from 2 to 8.5 bar.
 Wash pressure: from 2 to 8.5 bar.
 Temperature: from 1 to 40 °C.
 Electrical supply: 100-240 Vac / 50-60 Hz.
 Filtration speed: from 10 to 50 m³/m²/h depending on applications.
 Ideally below 20 m³/m²/h.

GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating.
 Internal distributors.
 Automatic valve with a touchscreen display and two programmable output relays.
 Configurable wash times.
 Zeolite filtration load with different particle sizes.

DIMENSIONS/MM

Model	A	B	C
FMA-A 200 Z	1136	208	220
FMA-A 250 Z	1619	257	269
FMA-A 300 Z	1570	304	315
FMA-A 330 Z	1606	334	341
FMA-A 350 Z	1892	369	380

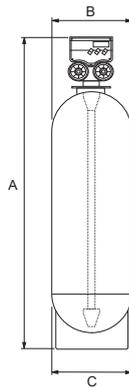


MULTI-LAYER FILTER AUTOMATIC



High-bed filters with zeolite load of different particle sizes for the retention of suspended solids. There are other types of load available for specific applications (check).

Model	Code	Connect. (in inches)	Service flow rate (m ³ /h) according to filtration speed (m ³ /m ² /h)					Wash flow rate (m ³ /h)
			10	15	20	30	50	
FMA 400 Z	10121400	1¼	1.25	1.85	2.5	3.75	6.25	4.5
FMA 450 Z	10121450	1¼	1.6	2.4	3.2	4.8	8	5.5
FMA 550 Z	10121550	1½	2.1	3.15	4.2	6.3	10.5	7
FMA 600 Z	10121600	1½	2.7	4.05	5.4	8.1	13.5	10



DIMENSIONS/MM

Model	A	B	C
FMA 400 Z	1860	406	420
FMA 450 Z	1956	469	510
FMA 550 Z	2020	552	510
FMA 600 Z	2270	610	510

CHARACTERISTICS:

Working pressure: from 1 to 6 bar.
 Wash pressure: from 2 to 6 bar.
 Temperature: from 1 to 40 °C.
 Filtration speed: from 10 to 50 m³/m²/h depending on applications.
 Ideally below 20 m³/m²/h.

GENERAL MATERIAL DATA:

Polyamide or FG polyester tank with food-grade PE internal coating.
 Internal distributors.
 Load and discharge valve.
 Automatic valve with programmable wash times.
 Zeolite filtration load with different particle sizes.

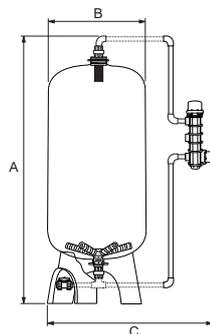
NEW

MULTI-LAYER FILTER AUTOMATIC



High-bed filters with zeolite load of different particle sizes for the retention of suspended solids. There are other types of load available for specific applications (check).

Model	Code	Connect. (in inches)	Service flow rate (m ³ /h) according to filtration speed (m ³ /m ² /h)					Wash flow rate (m ³ /h)
			10	15	20	30	50	
FMA 551 Z	10121551	1½	2.1	3.15	4.2	6.3	10.5	7
FMA 601 Z	10121601	1½	2.7	4.05	5.4	8.1	13.5	10
FMA 750 Z	10121750	2	4.3	6.45	8.6	12.9	21.5	15
FMA 900 Z	10121900	2	6.25	9.75	12.5	19.5	31.25	20
FMA 1050 Z	10121990	2	9.4	14.1	18.8	28.2	36	28
FMA 1250 Z	10121992	2	12.1	18.15	24.2	36	-	36



DIMENSIONS/MM

Model	A	B	C
FMA 550 Z	2106	522	952
FMA 600 Z	2346	595	1025
FMA 750 Z	2323	746	1176
FMA 900 Z	2321	896	1326
FMA 1050 Z	2160	1097	1737
FMA 1250 Z	2360	1250	1890

CHARACTERISTICS:

Working pressure: from 1 to 6 bar.
 Wash pressure: from 2 to 6 bar.
 Temperature: from 1 to 40 °C.
 Electrical supply: 230 Vac / 50 Hz.
 Filtration speed: from 10 to 50 m³/m²/h depending on applications.
 Ideally below 20 m³/m²/h.

GENERAL MATERIAL DATA:

Polyamide tank.
 Internal distributors.
 Load and discharge valve.
 Automatic valve with programmable wash times.
 Zeolite filtration load with different particle sizes.



WATER TREATMENT

dechlorinators

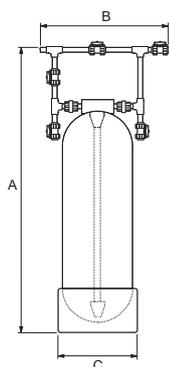
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Tashia®
sistemas d

DECHLORINATOR MANUAL



Manual dechlorinators with specific activated carbon media to eliminate organic pollutants, heavy metals, free chlorine, odors and tastes, etc.

Model	Code	Connections (in inches)	Service flow rate (m ³ /h)	Wash flow rate (m ³ /h)	Load (in l)	Capacity ⁽³⁾ for dechlorination (m ³)
DCLM 20	10230020	3/4	0.4	0.9	20	300
DCLM 30	10230030	3/4	0.6	1.2	30	450
DCLM 45	10230045	3/4	0.9	1.5	45	675
DCLM 60	10230060	3/4	1.2	1.8	60	900
DCLM 75	10230075	3/4	1.5	2.3	75	1125
DCLM 100	10230100	1	2	2.5	100	1500
DCLM 125	10230125	1	2.5	3.2	125	1875



DIMENSIONS/MM

Model	A	B	C
DCLM 20	1074	505	220
DCLM 30	1074	515	269
DCLM 45	1560	515	269
DCLM 60	1525	560	315
DCLM 75	1595	620	341
DCLM 100	2020	655	380
DCLM 125	2066	575	420

CHARACTERISTICS:

Working pressure: from 1 to 8.5 bar.
Wash pressure: from 2 to 8.5 bar.
Temperature: from 1 to 40 °C.

NOTES:

- (1) It is advisable to filter the water before dechlorination.
- (2) When placing orders, you must specify the use that will be made of the equipment in order to select the adequate load.
- (3) The dechlorination capacity is a guide and it varies depending on the residual chlorine of the make-up water.

GENERAL MATERIAL DATA:

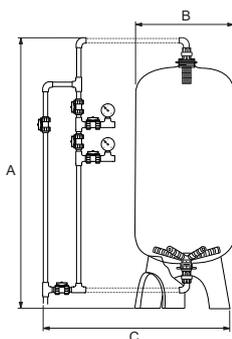
FG polyester vessel with food-grade PE internal coating. Internal distributors. PVC valve manifold. Quality activated carbon⁽²⁾ media with specific particle sizes for each application.

DECHLORINATOR MANUAL



Manual dechlorinators with specific activated carbon media to eliminate organic pollutants, heavy metals, free chlorine, odors and tastes, etc.

Model	Code	Connections (in inches)	Service flow rate (m ³ /h)	Wash flow rate (m ³ /h)	Load (in l)	Capacity ⁽³⁾ for dechlorination (m ³)
DCLM 180	10230180	1¼	3.6	4.3	180	2700
DCLM 225	10230225	1¼	4.5	5	225	3375
DCLM 325	10230325	1½	6.5	7.5	325	4875
DCLM 525	10230525	1½	10.5	12	525	7875
DCLM 650	10230650	2	13	15	650	9750
DCLM 800	10230800	2	16	18.5	800	12000
DCLM 950	10230950	2	19	23	950	14250



DIMENSIONS/MM

Model	A	B	C
DCLM 180	2090	469	710
DCLM 225	1970	552	850
DCLM 325	2220	610	910
DCLM 525	2250	770	1070
DCLM 650	2334	896	1196
DCLM 800	2320	927	1227
DCLM 950	2321	1097	1397

CHARACTERISTICS:

Working pressure: from 1 to 6 bar.
Wash pressure: from 2 to 6 bar.
Temperature: from 1 to 40 °C.

GENERAL MATERIAL DATA:

Polyamide or FG polyester vessel with food-grade PE internal coating. Internal distributors. PVC valve manifold. Manometers to control the pressure. Quality activated carbon⁽²⁾ media with specific particle sizes for each application.

NOTES

- (1) It is advisable to filter the water before dechlorination.
- (2) When placing orders, you must specify the use that will be made of the equipment in order to select the adequate load.
- (3) The dechlorination capacity is a guide and it varies depending on the residual chlorine of the make-up water.

NEW

Automatic dechlorinators with specific activated carbon media to eliminate organic pollutants, heavy metals, free chlorine, odors and tastes, etc.

Model	Code	Connections (in inches)	Service flow rate (m ³ /h)	Wash flow rate (m ³ /h)	Load (in l)	Capacity ⁽³⁾ for dechlorination (m ³)
DCLA 20	10221020	1	0.4	0.9	20	300
DCLA 30	10221030	1	0.6	1.2	30	450
DCLA 45	10221045	1	0.9	1.5	45	675
DCLA 60	10221060	1	1.2	1.8	60	900
DCLA 75	10221075	1	1.5	2.3	75	1125
DCLA 100	10221100	1	2	2.5	100	1500
DCLA 125	10221125	1	2.5	3.2	125	1875

CHARACTERISTICS:

Working pressure: from 1 to 8.5 bar.
 Wash pressure: from 2 to 8.5 bar.
 Temperature: from 1 to 40 °C.
 Electrical supply: 100-240 Vac / 50-60 Hz.

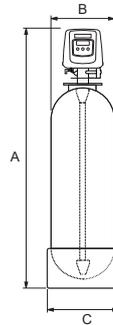
Quality activated carbon(2) media with specific particle sizes for each application.

NOTES

- (1) It is advisable to filter the water before dechlorination.
- (2) When placing orders, you must specify the use that will be made of the equipment in order to select the adequate load.
- (3) The dechlorination capacity is a guide and it varies depending on the residual chlorine of the make-up water.

DIMENSIONS/MM

Model	A	B	C
DCLA 20	1136	208	220
DCLA 30	1136	257	269
DCLA 45	1619	257	269
DCLA 60	1570	304	315
DCLA 75	1606	334	341
DCLA 100	1892	369	380
DCLA 125	1882	406	420



**DECHLORINATOR
AUTOMATIC**

NEW

Automatic dechlorinators with specific activated carbon media to eliminate organic pollutants, heavy metals, free chlorine, odors and tastes, etc.

Model	Code	Connections (in inches)	Service flow rate (m ³ /h)	Wash flow rate (m ³ /h)	Load (in l)	Capacity ⁽³⁾ for dechlorination (m ³)
DCLA-A 20	10222020	1	0.4	0.9	20	300
DCLA-A 30	10222030	1	0.6	1.2	30	450
DCLA-A 45	10222045	1	0.9	1.5	45	675
DCLA-A 60	10222060	1	1.2	1.8	60	900
DCLA-A 75	10222075	1	1.5	2.3	75	1125
DCLA-A 100	10222100	1	2	2.5	100	1500
DCLA-A 125	10222125	1	2.5	3.2	125	1875

CHARACTERISTICS:

Working pressure: from 2 to 8.5 bar.
 Wash pressure: from 2 to 8.5 bar.
 Temperature: from 1 to 40 °C.
 Electrical supply: 100-240 Vac / 50-60 Hz.

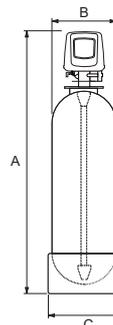
Quality activated carbon(2) media with specific particle sizes for each application.

NOTES:

- (1) It is advisable to filter the water before dechlorination.
- (2) When placing orders, you must specify the use that will be made of the equipment in order to select the adequate load.
- (3) The dechlorination capacity is a guide and it varies depending on the residual chlorine of the make-up water.

DIMENSIONS/MM

Model	A	B	C
DCLA-A 20	1136	208	220
DCLA-A 30	1136	257	269
DCLA-A 45	1619	257	269
DCLA-A 60	1570	304	315
DCLA-A 75	1606	334	341
DCLA-A 100	1892	369	380
DCLA-A 125	1882	406	420



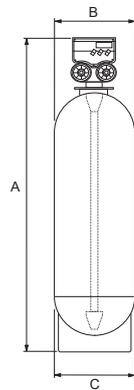
**DECHLORINATOR
ADVANCED**

DECHLORINATOR AUTOMATIC



Automatic dechlorinators with specific activated carbon media to eliminate organic pollutants, heavy metals, free chlorine, odors and tastes, etc.

Model	Code	Connections (in inches)	Service flow rate (m ³ /h)	Wash flow rate (m ³ /h)	Load (in l)	Capacity ⁽³⁾ for dechlorination (m ³)
DCLA 180	10221180	1¼	3.6	4.3	180	2700
DCLA 225	10221225	1¼	4.5	5	225	3375
DCLA 325	10221325	1½	6.5	7.5	325	4875
DCLA 425	10221425	1½	8.5	10	425	6375
DCLA 525	10221525	1½	10.5	12	525	7875



DIMENSIONS/MM

Model	A	B	C
DCLA 180	1956	469	510
DCLA 225	1850	552	510
DCLA 325	2270	610	510
DCLA 425	2366	746	746
DCLA 525	2430	770	768

CHARACTERISTICS:

Working pressure: from 1.5 to 6 bar.
Wash pressure: from 2 to 6 bar.
Temperature: from 1 to 40 °C.
Electrical supply: 230 Vac / 50 Hz.

GENERAL MATERIAL DATA:

Polyamide or FG polyester vessel with food-grade PE internal coating.
Internal distributors.
Automatic chronometric valve with the possibility to program both the frequency and time of the washes. In each phase of the wash, the frequency is programmed by days and wash time in minutes.

Quality activated carbon⁽²⁾ media with specific particle sizes for each application.

NOTES:

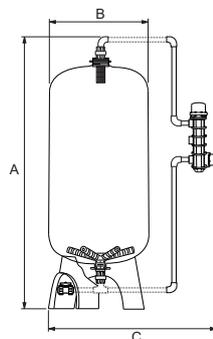
- (1) It is advisable to filter the water before dechlorination.
- (2) When placing orders, you must specify the use that will be made of the equipment in order to select the adequate load.
- (3) The dechlorination capacity is a guide and it varies depending on the residual chlorine of the make-up water.

DECHLORINATOR AUTOMATIC



Automatic dechlorinators with specific activated carbon media to eliminate organic pollutants, heavy metals, free chlorine, odors and tastes, etc.

Model	Code	Connections (in inches)	Service flow rate (m ³ /h)	Wash flow rate (m ³ /h)	Load (in l)	Capacity ⁽³⁾ for dechlorination (m ³)
DCLA 650	10221650	2	13	15	650	9750
DCLA 800	10221800	2	16	18.5	800	12,000
DCLA 950	10221950	2	19	23	950	14,250



DIMENSIONS/MM

Model	A	B	C
DCLA 650	2334	896	1326
DCLA 800	2350	927	1357
DCLA 950	2321	1097	1527

CHARACTERISTICS:

Working pressure: from 1 to 6 bar.
Wash pressure: from 2 to 6 bar.
Temperature: from 1 to 40 °C.
Electrical supply: 230 Vac / 50 Hz.

GENERAL MATERIAL DATA:

Polyamide vessel.
Internal distributors.
Automatic chronometric valve with the possibility to program both the frequency and time of the washes. In each phase of the wash, the frequency is programmed by days and wash time in minutes.
Quality activated carbon⁽²⁾ media with specific particle sizes for each application.

NOTES:

- (1) It is advisable to filter the water before dechlorination.
- (2) When placing orders, you must specify the use that will be made of the equipment in order to select the adequate load.
- (3) The dechlorination capacity is a guide and it varies depending on the residual chlorine of the make-up water.



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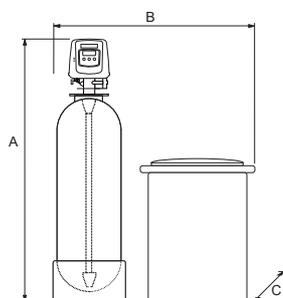
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Automatic systems to eliminate or reduce water hardness via ionic exchange. They consist of a resin column with an automatic valve and programmer and a separate tank for the brine.

**BIBLOC DV
RESIDENTIAL**
(Volumetric)

Model	Code	Liters of resin	Kg salt reg.	Max. q. recommended (m ³ /h)	Max. q. (m ³ /h)	Exchange capacity (m ³ x °fH)	Cycles between regenerations (m ³)				
							30 °fH	35 °fH	40 °fH	50 °fH	60 °fH
DV 20/5800 SXT	10345020	20	4	0.8	2.4	130	4.3	3.71	3.25	2.6	2.1
DV 25/5800 SXT	10345025	25	5	1	3	162	5.4	4.62	4	3.24	2.7
DV 30/5800 SXT	10345030	30	6	1.2	4	195	6.5	5.57	4.87	3.9	3.25
DV 45/5800 SXT	10345045	45	9	1.8	4	292	9.73	8.34	7.3	5.84	4.86
DV 60/5800 SXT	10345060	60	12	2.4	4	390	13	11.14	9.75	7.8	6.5
DV 75/5800 SXT	10345075	75	15	3	4	487	16.23	13.91	12.17	9.74	8.11
DV 100/5800 SXT	10345100	100	20	4	4	650	21.66	18.57	16.25	13	10.83
DV 125/5800 SXT	10345125	125	25	4	4	812	27.06	23.2	20.3	16.24	13.53



WORKING CONDITIONS:

Working pressure: from 2 to 8.5 bar.
Optimal pressure: from 3 to 5 bar.
Temperature: from 1 to 40 °C.
Electrical supply: 100-240 Vac / 50-60 Hz.

GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating.
Polyethylene brine tank.
Premium quality food-grade resin media.
Automatic valves.
Fast motor.
Robust piston with optical positioning.
Incorporated water meter.
Microprocessor regeneration control, allowing for different types of regeneration: by volume, by time, mixed or delayed volume.

DIMENSIONS/MM

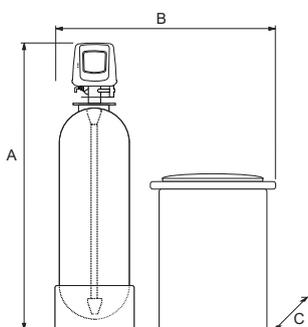
Model	A	B	C	Tank capacity (salt/l)	Connections (in inches)
DV 20/5800 SXT	1136	778	470	100	1
DV 25/5800 SXT	1137	803	470	100	1
DV 30/5800 SXT	1137	827	470	100	1
DV 45/5800 SXT	1624	887	530	150	1
DV 60/5800 SXT	1576	844	530	150	1
DV 75/5800 SXT	1606	874	530	200	1
DV 100/5800 SXT	1892	1219	750	300	1
DV 125/5800 SXT	1882	1256	750	300	1



BIBLOC DVA
ADVANCED RESIDENTIAL
 (Volumetric)

High-performance automatic systems to eliminate or reduce water hardness via ionic exchange. They consist of a resin column with an automatic valve and programmer and a separate tank for the brine. They include a touchscreen interface offering the user total control.

Model	Code	Liters of resin	Kg salt reg.	Max. q. recommended (m ³ /h)	Max. q. (m ³ /h)	Exchange capacity (m ³ x °fH)	Cycles between regenerations (m ³)				
							30 °fH	35 °fH	40 °fH	50 °fH	60 °fH
DVA 20/5800 XTR	10346020	20	4	0.8	2.4	130	4.3	3.71	3.25	2.6	2.1
DVA 25/5800 XTR	10346025	25	5	1	3	162	5.4	4.62	4	3.24	2.7
DVA 30/5800 XTR	10346030	30	6	1.2	4	195	6.5	5.57	4.87	3.9	3.25
DVA 45/5800 XTR	10346045	45	9	1.8	4	292	9.73	8.34	7.3	5.84	4.86
DVA 60/5800 XTR	10346060	60	12	2.4	4	390	13	11.14	9.75	7.8	6.5
DVA 75/5800 XTR	10346075	75	15	3	4	487	16.23	13.91	12.17	9.74	8.11
DVA 100/5800 XTR	10346100	100	20	4	4	650	21.66	18.57	16.25	13	10.83
DVA 125/5800 XTR	10346125	125	25	4	4	812	27.06	23.2	20.3	16.24	13.53



DIMENSIONS/MM				Tank capacity (salt/l)	Connections (in inches)
Model	A	B	C		
DVA 20/5800 XTR	1136	778	470	100	1
DVA 25/5800 XTR	1137	803	470	100	1
DVA 30/5800 XTR	1137	827	470	100	1
DVA 45/5800 XTR	1624	887	530	150	1
DVA 60/5800 XTR	1576	844	530	150	1
DVA 75/5800 XTR	1606	874	530	200	1
DVA 100/5800 XTR	1892	1219	750	300	1
DVA 125/5800 XTR	1882	1256	750	300	1

WORKING CONDITIONS:

Working pressure: from 2 to 8.5 bar.
 Optimal pressure: from 3 to 5 bar.
 Temperature: from 1 to 40 °C.
 Electrical supply: 230 Vac / 50 Hz.

GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating.
 Polyethylene brine tank.
 Premium quality food-grade resin media.
 Automatic valves.
 Fast motor.
 Robust piston with optical positioning.
 Incorporated water meter.
 Microprocessor regeneration control, allowing for different types of regeneration: by volume, by time, mixed or delayed volume.
 XTR controller with touchscreen interface, giving the user total control.
 Low-consumption functions, vacation mode, alarm and maintenance control, etc.
 Double programmable relay output.

NEW

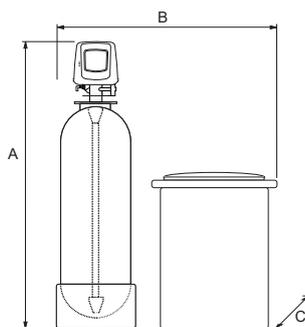
High flow rate automatic equipment to eliminate or reduce water hardness via ionic exchange. They consist of a resin column with an automatic valve and programmer and a separate tank for the brine.

**BIBLOC DVC
COMMERCIAL**
(Volumetric)

Model	Code	Liters of resin	Kg salt reg.	Max. q. recommended (m ³ /h)	Max. q. (m ³ /h)	Exchange capacity (m ³ x °fH)	Cycles between regenerations (m ³)				
							30 °fH	35 °fH	40 °fH	50 °fH	60 °fH
DVC 100/5810 SXT	10350100	100	20	4	8.5	650	21.66	18.57	16.25	13	10.83
DVC 125/5810 SXT	10350125	125	25	5	8.5	812	27.07	23.20	20.30	16.24	13.53
DVC 180/5812 SXT	10350180	180	36	7.5	10.2	1170	39	33.42	29.25	23.40	19.50
DVC 225/5812 SXT	10350225	225	45	9	10.2	1562	48.73	41.77	36.55	29.24	24.36
DVC 325/5812 SXT	10350325	325	65	10	10.2	2112	70.40	60.34	52.80	42.24	35.2

WORKING CONDITIONS:

Working pressure: from 2 to 8.5 bar.
Optimal pressure: from 3 to 5 bar.
Temperature: from 1 to 40 °C.
Electrical supply: 100-240 Vac / 50-60 Hz.



GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating.
Polyethylene brine tank.
Premium quality food-grade resin media.
Automatic valves.
Fast motor.
Robust piston with optical positioning.
Incorporated water meter.
Microprocessor regeneration control, allowing for different types of regeneration: by volume, by time, mixed or delayed volume.

DIMENSIONS/MM

Model	A	B	C	Tank capacity (salt/l)	Connections (in inches)
DVC 100/5810 SXT	1947	1206	750	300	1¼
DVC 125/5810 SXT	1947	1256	750	300	1¼
DVC 180/5812 SXT	1965	1458	900	600	1½
DVC 225/5812 SXT	1829	1534	900	600	1½
DVC 325/5812 SXT	2058	1610	900	600	1½

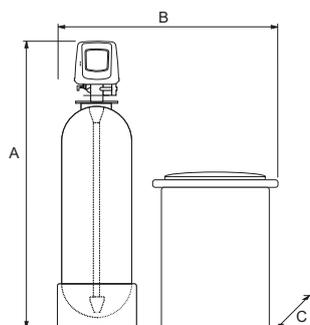


NEW

BIBLOC DVC
ADVANCED COMMERCIAL
 (Volumetric)

High flow rate automatic equipment to eliminate or reduce water hardness via ionic exchange. They consist of a resin column with an automatic valve and programmer and a separate tank for the brine. They include a touchscreen interface offering the user total control.

Model	Code	Liters of resin	Kg salt reg.	Max. q. recommended (m ³ /h)	Max. q. (m ³ /h)	Exchange capacity (m ³ x °fH)	Cycles between regenerations (m ³)				
							30 °fH	35 °fH	40 °fH	50 °fH	60 °fH
DVCA 100/5810 XTR	10350100	100	20	4	8.3	650	21.66	18.57	16.25	13	10.83
DVCA 125/5810 XTR	10351125	125	25	5	8.3	812	27.07	23.20	20.30	16.24	13.53
DVCA 180/5812 XTR	10351180	180	36	7.5	10.2	1170	39	33.42	29.25	23.40	19.50
DVCA 225/5812 XTR	10351225	225	45	9	10.2	1462	48.73	41.77	36.55	29.24	24.36
DVCA 325/5812 XTR	10351325	325	65	10	10.2	2112	70.40	60.34	52.80	42.24	35.2



DIMENSIONS/MM

Model	A	B	C	Tank capacity (salt/l)	Connections (in inches)
DVCA 100/5810 XTR	1947	1206	750	300	1¼
DVCA 125/5810 XTR	1947	1256	750	300	1¼
DVCA 180/5812 XTR	1965	1458	900	600	1½
DVCA 225/5812 XTR	1829	1534	900	600	1½
DVCA 325/5812 XTR	2058	1610	900	600	1½

WORKING CONDITIONS:

Working pressure: from 2 to 8.5 bar.
 Optimal pressure: from 3 to 5 bar.
 Temperature: from 1 to 40 °C.
 Electrical supply: 100-240 Vac / 50-60 Hz.

GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating.
 Polyethylene brine tank.
 Premium quality food-grade resin media.
 Automatic valves.
 Fast motor.
 Robust piston with optical positioning.
 Incorporated water meter.
 Microprocessor regeneration control, allowing for different types of regeneration: by volume, by time, mixed or delayed volume.
 XTR controller with touchscreen interface, giving the user total control.
 Low-consumption functions, vacation mode, alarm and maintenance control, etc.
 Double programmable relay output.

NEW

High flow rate automatic equipment to eliminate or reduce water hardness via ionic exchange. They consist of a resin column with an automatic valve and programmer and a separate tank for the brine.

BIBLOC DVI INDUSTRIAL
(Volumetric)

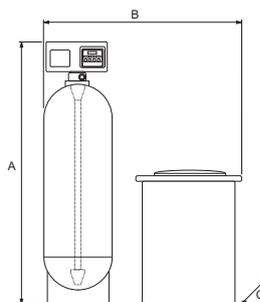
Model	Code	Liters of resin	Kg salt reg.	Max. q. recommended (m ³ /h)	Max. q. (m ³ /h)	Exchange capacity (m ³ x °fH)	Cycles between regenerations (m ³)				
							30 °fH	35 °fH	40 °fH	50 °fH	60 °fH
DVI 225/2910 NXT	10356225	225	45	9	24	1462	48.73	41.77	36.55	29.24	24.36
DVI 325/2910 NXT	10356325	325	65	13	24	2112	70.4	60.34	52.8	42.24	35.2
DVI 425/2910 NXT	10356425	425	85	17	24	2762	92.08	78.93	69.06	55.25	46.04
DVI 525/2910 NXT	10356525	525	105	21	24	3412	113.75	97.5	85.31	68.25	56.87
DVI 650/2910 NXT	10356650	650	130	24	24	4225	140.83	120.71	105.62	70.42	58.68
DVI 800/2910 NXT	10356800	800	160	24	24	5200	173.33	148.57	130	104	86.66

WORKING CONDITIONS:

Working pressure: from 2 to 8.5 bar.
Optimal pressure: from 3 to 5 bar.
Temperature: from 1 to 40 °C.
Electrical supply: 230 Vac / 50 Hz.

GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating.
Polyethylene brine tank.
Premium quality food-grade resin media.
Robust bronze automatic valves.
Incorporated water meter.
Microprocessor regeneration control, allowing for different types of regeneration: by volume, by time, mixed or delayed volume.
Advanced NXT controller with auxiliary inputs and outputs.
Possibility for conversion with a RJ45 Ethernet cable in duplex, triplex or quadruplex.



DIMENSIONS/MM				Tank capacity (salt/l)	Connections (in inches)
Model	A	B	C		
DVI 225/2910 NXT	1961	1552	900	600	2
DVI 325/2910 NXT	2211	1810	1100	800	2
DVI 425/2910 NXT	2308	1946	1100	800	2
DVI 525/2910 NXT	2371	1970	1100	800	2
DVI 650/2910 NXT	2456	2096	1100	800	2
DVI 800/2910 NXT	2431	2127	1100	800	2

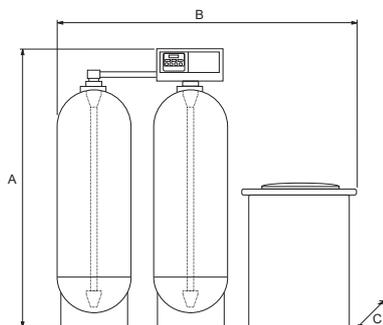


DUPLEX DD COMMERCIAL

(Volumetric)

Automatic duplex systems to eliminate or reduce water hardness via ionic exchange. They consist of a resin column with an automatic valve and programmer and a separate tank for the brine.

Model	Code	Liters of resin	Kg salt reg.	Max. q. recommended (m ³ /h)	Max. q. (m ³ /h)	Exchange capacity (m ³ x °fH)	Cycles between column regenerations (m ³)				
							30 °fH	35 °fH	40 °fH	50 °fH	60 °fH
DD 20/9100 SXT	10364020	20x2	4	0.8	2.4	130	4.3	3.71	3.25	2.6	2.1
DD 25/9100 SXT	10364025	25x2	5	1	3	162	5.4	4.62	4	3.24	2.7
DD 30/9100 SXT	10364030	30x2	6	1.2	4	195	6.5	5.57	4.87	3.9	3.25
DD 45/9100 SXT	10364045	45x2	9	1.8	4	292	9.73	8.34	7.3	5.84	4.86
DD 60/9100 SXT	10364060	60x2	12	2.4	4	390	13	11.14	9.75	7.8	6.5
DD 75/9100 SXT	10364075	75x2	15	3	4	487	16.23	13.91	12.17	9.74	8.11
DD 100/9100 SXT	10364100	100x2	20	4	4	650	21.66	18.57	16.25	13	10.83
DD 100/9500 SXT	10367100	100 x2	20	4	9	650	21.66	18.57	16.25	13	10.83
DD 125/9100 SXT	10364125	125x2	25	4	4	812	27.06	23.2	20.3	16.24	13.53
DD 125/9500 SXT	10367125	125x2	25	5	9	812	27.06	23.2	20.3	16.24	13.53
DD 180/9500 SXT	10367180	180x2	36	7.2	9	1170	39	33.42	29.25	23.4	19.5
DD 225/9500 SXT	10367225	225x2	45	9	9	1462	48.73	41.77	36.55	29.24	24.36
DD 325/9500 SXT	10367325	325x2	65	9	9	2112	70.4	60.34	52.8	42.24	35.20



DIMENSIONS/MM				Tank capacity (salt/l)	Connections (in inches)
Model	A	B	C		
DD 20/9100 SXT	1088	1211	470	100	1
DD 25/9100 SXT	1089	1236	470	100	1
DD 30/9100 SXT	1089	1320	530	150	1
DD 45/9100 SXT	1576	1320	530	150	1
DD 60/9100 SXT	1528	1371	530	200	1
DD 75/9100 SXT	1558	1617	750	300	1
DD 100/9100 SXT	1844	1652	750	300	1
DD 100/9500 SXT	1858	1923	750	300	1½
DD 125/9100 SXT	1834	1839	900	500	1
DD 125/9500 SXT	1848	2110	900	500	1½
DD 180/9500 SXT	1944	2173	900	500	1½
DD 225/9500 SXT	1838	2456	1100	800	1½
DD 325/9500 SXT	2088	2514	1100	800	1½

WORKING CONDITIONS:

Working pressure: from 2 to 8.5 bar.
Optimal pressure: from 3 to 5 bar.
Temperature: from 1 to 35 °C.
Electrical supply: 230 Vac / 50 Hz.

GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating. Polyethylene brine tank. Premium quality food-grade resin media. Robust automatic valves in PPO (mod. 91) or bronze (mod. 95). Incorporated water meter. Programmers with volumetric control and microprocessor.

NEW

High flow rate automatic duplex equipment to eliminate or reduce water hardness via ionic exchange. They consist of a resin column with an automatic valve and programmer and a separate tank for the brine.

DUPLEX DDI INDUSTRIAL
(Volumetric)

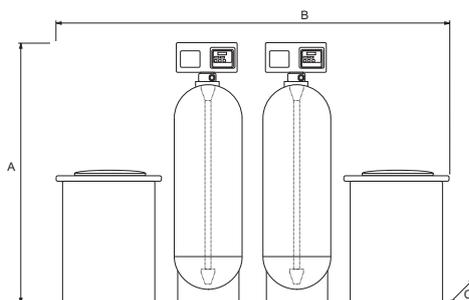
Model	Code	Liters of resin	Kg salt reg.	Max. q. recommended (m³/h)	Max. q. (m³/h)	Exchange capacity (m³ x °fH)	Cycles between regenerations (m³)				
							30 °fH	35 °fH	40 °fH	50 °fH	60 °fH
DDI 225/2910 NXT	10370225	225 x 2	45	9	24	1462	48.73	41.77	36.55	29.24	24.36
DDI 325/2910 NXT	10370325	325 x 2	65	13	24	2112	70.4	60.34	52.8	42.24	35.2
DDI 425/2910 NXT	10370425	425 x 2	85	17	24	2762	92.08	78.93	69.06	55.25	46.04
DDI 525/2910 NXT	10370525	525 x 2	105	21	24	3412	113.75	97.5	85.31	68.25	56.87
DDI 650/2910 NXT	10370650	650 x 2	130	24	24	4225	140.83	120.71	105.62	70.42	58.68
DDI 800/2910 NXT	10370800	800 x 2	160	24	24	5200	173.33	148.57	130	104	86.66

WORKING CONDITIONS:

Working pressure: from 2 to 8.5 bar.
Optimal pressure: from 3 to 5 bar.
Temperature: from 1 to 40 °C.
Electrical supply: 230 Vac / 50 Hz.

GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating.
Polyethylene brine tank.
Premium quality food-grade resin media.
Robust bronze automatic valves.
Incorporated water meter.
Microprocessor regeneration control, allowing for different types of regeneration: by volume, by time, mixed or delayed volume.
Advanced NXT controller with auxiliary inputs and outputs.
Possibility of conversion with a RJ45 Ethernet cable in triplex or quadruplex.



DIMENSIONS/MM				Tank capacity (salt/l)	Connections (in inches)
Model	A	B	C		
DDI 225/2910 NXT	1961	3204	900	600 x 2	2
DDI 325/2910 NXT	2211	3720	1100	600 x 2	2
DDI 425/2910 NXT	2308	3992	1100	600 x 2	2
DDI 525/2910 NXT	2371	4040	1100	800 x 2	2
DDI 650/2910 NXT	2456	4292	1100	800 x 2	2
DDI 800/2910 NXT	2431	4354	1100	800 x 2	2







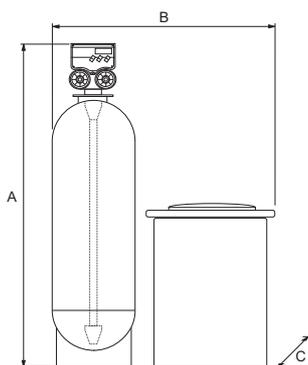
WATER TREATMENT
denitrifiers

DENITRIFIER AUTOMATIC

Automatic equipment for the reduction of nitrates in water through the use of ion-exchange resins. They consist of a resin column with a valve, programmer and a tank for the regenerant.

Model	Code	Valve type	Resin capacity	KG salt for regeneration	Max. q. (m ³ /h)	Cycles between regenerations (m ³)*			
						75 mg/l	100 mg/l	150 mg/l	200 mg/l
DN 30	10520030	132	30	7.2	1.2	8	6	4	3
DN 45	10520045	132	45	10.2	1.8	12	9	6	4.5
DN 60	10520060	132	60	14.4	2.4	16	12	8	6
DN 75	10520075	132	75	18	3	20	15	10	7.5
DN 100	10520100	132	100	24	4	26.7	20	13.3	10
DN 125	10520125	132	125	30	4.5	33.3	25	16.6	12.5
DN 180	10520180	132	180	43.2	6	48	36	24	18
DN 225	10520225	230	225	54	7.2	60	45	30	22.5
DN 325	10520325	230	325	78	9	86.6	65	43.3	32.5
DN 500	10520500	250	500	120	13	133.3	100	66.6	50
DN 750	10520750	360	750	180	22	200	150	100	75

(*) Cycles performed with 50% of the NO₃ compared to SO₄ and 240 g/l of NaCl as the regenerant.



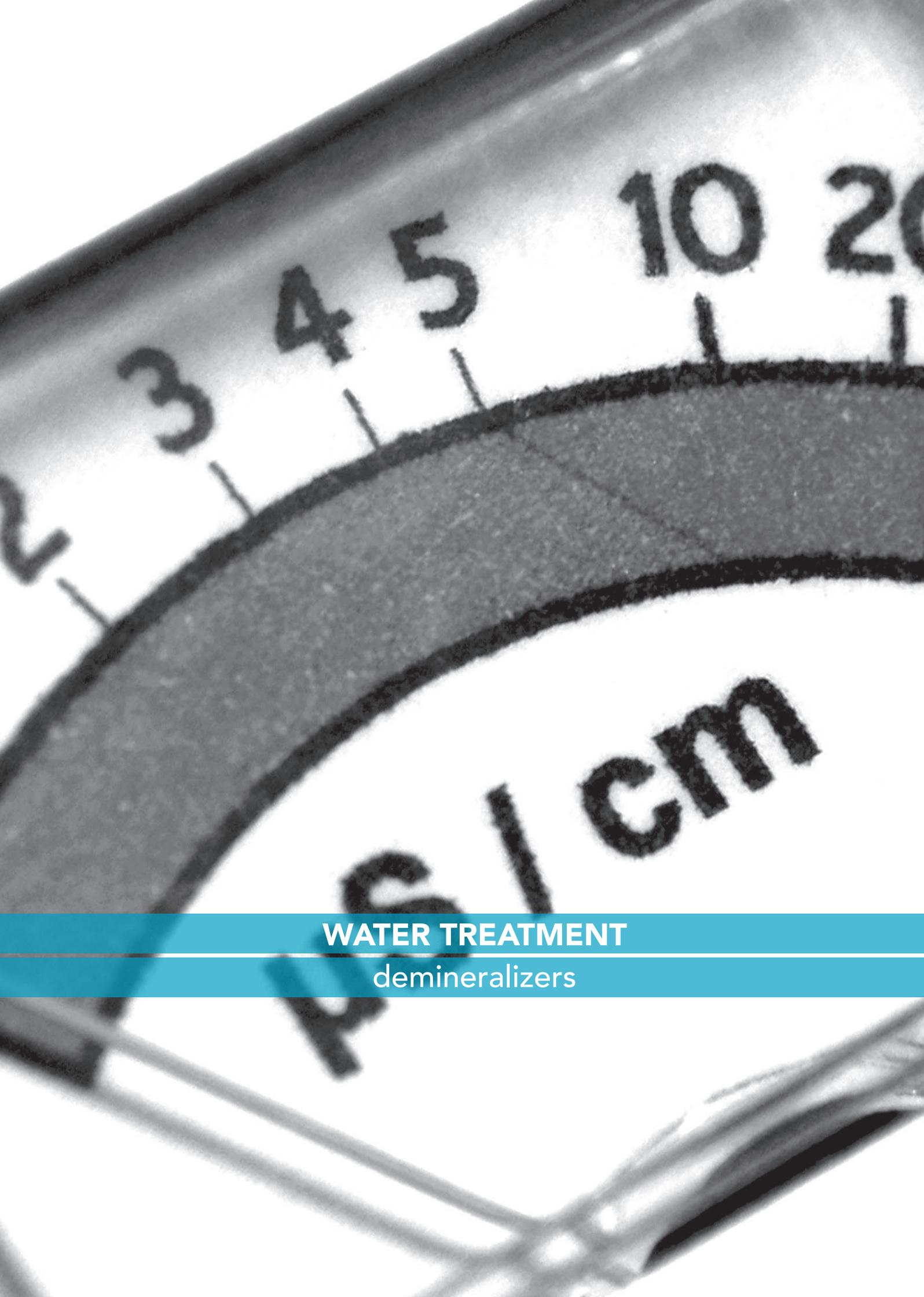
Model	DIMENSIONS/MM			Tank capacity (salt/l)	Connections (in inches)
	A	B	C		
DN 30	1115	734	467	100	1
DN 45	1597	797	530	150	1
DN 60	1548	844	530	150	1
DN 75	1585	874	530	200	1
DN 100	1870	1129	750	300	1
DN 125	1875	1160	750	300	1
DN 180	1997	1295	815	500	1
DN 225	1850	1667	1100	760	1¼
DN 325	2100	1725	1100	760	1¼
DN 500	2320	1885	1100	1100	1½
DN 750	2351	2050	1100	1100	2

WORKING CONDITIONS:

Working pressure: from 2 to 6 bar.
 Temperature: from 1 to 40 °C.
 Electrical supply: 230 Vac / 50 Hz.
 Input water: <0.5 ppm of free chlorine and suitable for human consumption.

GENERAL MATERIAL DATA:

FG polyester vessel with food-grade PE internal coating.
 Polyethylene brine tank.
 Double-bottomed from 500 l.
 Premium quality food-grade resin media.
 Minimum reduction of 75-80%.
 Automatic valves.
 Microprocessor regeneration control, allowing for different types of regeneration: by volume, by time, mixed or delayed volume.
 Incorporated water meters, either internal or external depending on the model.



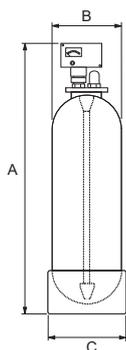
WATER TREATMENT
demineralizers

**DEMINERALIZER
MANUAL**



Manual-function compact mixed-bed demineralizers to produce water with very little mineralization, for use in laboratories, industrial processes, steam boiler feed, etc.

Model	Code	Liters of resin	Maximum flow rate (l/h)	Capacity (30 µs/cm inlet)
DM 1/15	10630015	15	150	5000
DM 1/30	10630030	30	300	10,000
DM 1/50	10630050	50	500	16,600
DM 1/75	10630075	75	750	25,000



DIMENSIONS/MM

Model	A	B	C
DM 1/15	746	208	208
DM 1/30	1080	233	233
DM 1/50	1557	257	257
DM 1/75	1405	304	304

CHARACTERISTICS:

Working pressure: from 0.5 to 6 bar.
 Temperature: from 1 to 30 °C.
 Electrical supply: 230 Vac / 50 Hz.

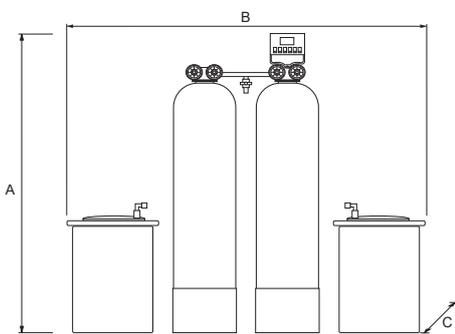
GENERAL MATERIAL DATA:

Polyamide or FG polyester vessel with food-grade PE internal coating.
 Internal distributors.
 Fast connection accessories.
 Analog conductivity sensor.
 Properly blended mixed-bed resin media.

Automatic dual-column equipment to produce water with very little mineralization, for use in laboratories and industrial processes, steam boiler feed, etc.

**DEMINERALIZER
AUTOMATIC
DUAL-COLUMN**

Model	Code	Liters of resin		Maximum flow rate (m ³ /h)	Kg of regenerant	
		Anionic	Cationic		NaOH	HCl
DM 2/30	10620030	30	30	1	3.1	8.25
DM 2/50	10620050	50	50	1.5	5.2	13.75
DM 2/70	10620070	70	70	2.1	7.3	19.25
DM 2/100	10620100	100	100	3	10.4	27.5
DM 2/150	10620150	150	150	4.5	15.6	41.25
DM 2/200	10620200	200	200	6	20.8	55



DIMENSIONS/MM				Tank capacity (in l) (x2)	Connections (in inches)
Model	A	B	C		
DM 2/30	1245	2040	510	100	1
DM 2/50	1720	2040	510	100	1
DM 2/70	1725	2040	510	100	1
DM 2/100	1975	2360	570	200	1
DM 2/150	2010	2390	570	200	1
DM 2/200	2010	2580	610	300	1

CHARACTERISTICS:
Working pressure: from 2 to 6 bar.
Temperature: from 1 to 30 °C.
Electrical supply: 230 Vac / 50 Hz.

GENERAL MATERIAL DATA:
Polyamide or FG polyester vessel with food-grade PE internal coating.
Polyethylene regenerant tank.
Internal distributors.
Plastic automatic valves mounted on the vessels.



Incorporated conductivity sensors indicating water quality at all times.
Regeneration control according to water quality via an electronic controller.
Anionic and cationic resin media.



Domestic reverse osmosis

Get food-grade water quality, suitable for use in your home or business through **reverse osmosis**: a natural process that does not require the application of chemical products.

For your home and business, we offer:



- Direct-flow installations
- High-flow systems
- Low salt consumption
- High performance
- Ultra-filtration systems
- Technical and after-sales service

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OF PRODUCTS AT:**

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WATER TREATMENT

reverse osmosis

OMI MR



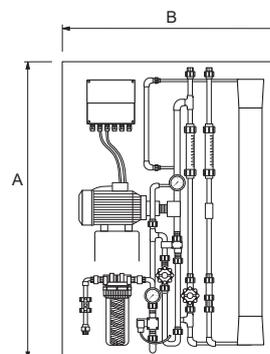
Small production reverse osmosis equipment with low salt content.

Model	Code	Production (l/h)	Conversion %
OMI MR 1/40	10722200	180 – 200	50
OMI MR 2/40	10722400	360 – 400	50

Inquire for further information about large production equipment.

DIMENSIONS/MM

Model	A	B	C
OMI MR	1250	900	250



CHARACTERISTICS:

- Inlet pressure: from 0.5 to 3.5 bar.
- Water temperature: from 1 to 35 °C
- Electrical supply: Single-phase 230 Vac.
- Treated water storage tank not included.
- The performance of the equipment varies depending on the input water, temperature, and the condition of the elements that make up the equipment.
- Suitable pretreatment is required for all installations.

GENERAL MATERIAL DATA:

- Compact painted iron equipment for wall installation.
- Automatic function.
- Stainless-steel pressure vane pump.
- PVC and polyethylene pipes.
- 5-µ filter, RO membrane, flow meter, regulation valves and sample collection.
- Automatic flushing system.
- Control via PLC with conductivity sensor.



WE DESIGN, MANUFACTURE AND INSTALL TAILOR-MADE EQUIPMENT BASED ON OUR CLIENTS' NEEDS.

Small and medium-size production reverse osmosis equipment with low salt content.

**OMI RO
INDUSTRIAL**

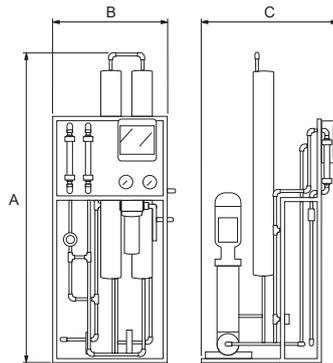
Model	Code	Production (l/h)	Conversion %
OMI RO 1/40	10720210	180 – 200	60
OMI RO 2/40	10720420	360 – 400	60
OMI RO 3/40	10720630	540 – 600	60
OMI RO 4/40	10720840	720 – 800	60
OMI RO 6/40	10721060	1072 – 1200	75

Inquire for further information about large production equipment.



DIMENSIONS/MM

Model	A	B	C
OMI RO 1/40	1550	630	700
OMI RO 2/40	1550	630	700
OMI RO 3/40	1550	630	900
OMI RO 4/40	1550	630	1100
OMI RO 6/40	1650	1430	1100



CHARACTERISTICS:

Inlet pressure: from 0.5 to 3.5 bar.
 Water temperature: from 1 to 35 °C
 Electrical supply: Single-phase 230 Vac or three-phase 400 Vac / 50 Hz (depending on model).
 Treated water storage tank not included.
 The performance of the equipment varies depending on the input water, temperature, and the condition of the elements that make up the equipment.
 Suitable pretreatment is required for all installations.

GENERAL MATERIAL DATA:

Compact stainless-steel equipment with adjustable legs.
 Automatic function.
 Stainless-steel vertical multi-stage pressure pump.
 316L stainless-steel high-pressure line pipes.
 5-µ filter, RO membrane, flow meter, regulation valves and sample collection.
 Bypass on the pump to stabilize pressure.
 Automatic flushing system.
 Microprocessor with integrated conductivity sensor.



WE DESIGN, MANUFACTURE AND INSTALL TAILOR-MADE EQUIPMENT BASED ON OUR CLIENTS' NEEDS.





DISINFECTION

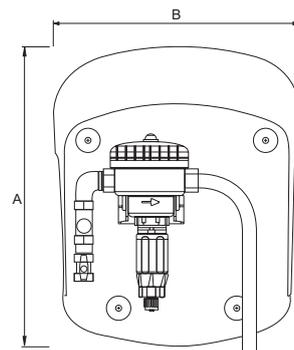
cleaning and disinfection stations

CENTERDOS D07 AC/DT

Precise and compact spray system with hydraulic dosing pumps, which makes it possible to adjust the product dosing exactly, thereby optimizing product consumption. There are models available for mildly acid and alkaline products.



Model	Code	Materials	Dosing pumps	Hose (m)	Spray lance (m)
CENTERDOS AC	87014000	AC	D07/5VF	-	-
	87014001	AC	D07/5VFP	-	-
	87014107	AC	D07/5VFP	12	0.70
	87014112	AC	D07/5VFP	12	1.20
	87014207	AC	D07/5VFP	25	0.70
	87014212	AC	D07/5VFP	25	1.20
	87015000	AC	D07/125VF	-	-
	87015001	AC	D07/125VFP	-	-
	87015107	AC	D07/125VFP	12	0.70
	87015112	AC	D07/125VFP	12	1.20
	87015207	AC	D07/125VFP	25	0.70
	87015212	AC	D07/125VFP	25	1.20
CENTERDOS DT	87017000	DT	D07/5AF	-	-
	87017001	DT	D07/5AFP	-	-
	87017107	DT	D07/5AFP	12	0.70
	87017112	DT	D07/5AFP	12	1.20
	87017207	DT	D07/5AFP	25	0.70
	87017212	DT	D07/5AFP	25	1.20
	87018000	DT	D07/125AF	-	-
	87018001	DT	D07/125AFP	-	-
	87018107	DT	D07/125AFP	12	0.70
	87018112	DT	D07/125AFP	12	1.20
	87018207	DT	D07/125AFP	25	0.70
	87018212	DT	D07/125AFP	25	1.20



DIMENSIONS/MM

Model	A	B
CENTERDOS D07	405	325

CHARACTERISTICS:

Maximum working pressure: from 0.3 to 6 bar.
 Fluid temperature: from 5 to 40 °C.
 Maximum suction height: 4 m.
 Flow rate: from 5 to 700 l/h.
 D07/5 dosing: 0.8 - 5.5% and D07/125: 0.5 -1.25%.

GENERAL MATERIAL DATA:

Polypropylene wall support.
 Polypropylene dosing body.
 Dosing piston: polypropylene, PEEK, stainless steel, PTFE, HT EPDM or FKM.
 Dosing part: polypropylene, polyethylene, and Hastelloy.
 Suction pipe: PVC.

MATERIALS:

AC: for mildly acidic products.
 DT: for mildly alkaline products.

Simple and compact spray system for surfaces via a venturi with an integrated bypass, allowing flushing and rinsing.

**CENTERDOS
VDSA DT**

Model	Code	Materials	Hose (m)	Spray lance (m)
CENTERDOS VDSA	87010000	DT	-	-
	87012107	DT	12	0.70
	87012112	DT	12	1.20
	87012207	DT	25	0.70
	87012212	DT	25	1.20



CHARACTERISTICS:

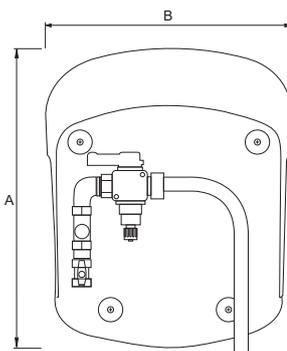
Maximum working pressure: from 0.5 to 5 bar.
 Fluid temperature: from 5 to 70 °C.
 Maximum suction height: 2 m.
 Flow rate: 430 l/h.
 Dosing from 0.85 to 24.5%.

GENERAL MATERIAL DATA:

Polypropylene wall support.
 Polypropylene venturi body.
 Parts of the venturi in polypropylene, stainless steel, and FKM.
 Suction pipe: PVC.

MATERIALS:

DT: for mildly alkaline products.



DIMENSIONS/MM

Model	A	B
CENTERDOS VDSA	405	325

Simple and compact device allowing for correct spraying of the product on surfaces via a venturi. There are models available for mildly acid and alkaline products.

CENTER LAV AC/DT

Model	Code	Materials	Hose (m)	Spray lance (m)
CENTERLAV	87020000	AC	-	-
	87020107	AC	12	0.70
	87020112	AC	12	1.20
	87020207	AC	25	0.70
	87020212	AC	25	1.20
	87022000	DT	-	-
	87022107	DT	12	0.70
	87022112	DT	12	1.20
	87022207	DT	25	0.70
	87022212	DT	25	1.20



CHARACTERISTICS:

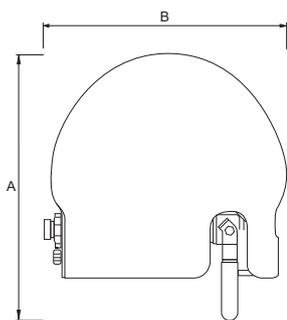
Maximum working pressure: from 1.6 to 6 bar.
 Fluid temperature: from 5 to 55 °C.
 Maximum suction height: 2 m.
 Flow rate: 2 l/min.
 Dosing from 0.75 to 22.5%.

GENERAL MATERIAL DATA:

ABS wall support and polypropylene (PP) venturi.
 FKM and nitrile seals.
 PVC (DT) and PP (AC) spray valve.

MATERIALS:

AC: for mildly acidic products.
 DT: for mildly alkaline products.



DIMENSIONS/MM

Model	A	B
CENTERLAV	285	257

ACCESSORIES

CENTERDOS AC
CENTERDOS DT
CENTERDOS VDSA
CENTERLAV

CLEANING AND DISINFECTION

Code	Description
87091200	Centerdos pressure reducer kit
87100000	316 stainless-steel mobile trolley

SPRAY LANCES

Code	Description
87610007	PVC 0.70m AC spray lance KY6510
87610012	PVC 1.20m AC spray lance KY6510
87610107	PVC 0.70m AC spray lance KY6515
87610112	PVC 1.20m AC spray lance KY6515
87610207	PVC 0.70m AC spray lance KY6520
87610212	PVC 1.20m AC spray lance KY6520
87610307	PVC 0.70m AC spray lance KY6530
87610312	PVC 1.20m AC spray lance KY6530
87612007	Stainless-steel 0.70m DT spray lance 6510
87612012	Stainless-steel 1.20m DT spray lance 6510
87612107	Stainless-steel 0.70m DT spray lance 6515
87612112	Stainless-steel 1.20m DT spray lance 6515
87612207	Stainless-steel 0.70m DT spray lance 6520
87612212	Stainless-steel 1.20m DT spray lance 6520
87612307	Stainless-steel 0.70m DT spray lance 6530
87612312	Stainless-steel 1.20m DT spray lance 6530
87611001	0.70m AC spray lance for refill
87611002	0.70m DT spray lance for refill

HOSES WITH FITTINGS

Code	Description
87090000	Supply hose FF 3/4"-1/2" 1 m
87090106	AC hose with PVC fittings FF 3/4"-1/2" 2.5 m
87090107	AC hose with PVC fittings FF 3/4"-1/2" 5 m
87090100	AC hose with PVC fittings FF 3/8"-1/2" 12 m
87090101	AC hose with PVC fittings FF 3/8"-1/2" 25 m
87090102	AC hose with PVC fittings FF 1/2"-1/2" 12 m
87090103	AC hose with PVC fittings FF 1/2"-1/2" 25 m
87090104	AC hose with PVC fittings FF 3/4"-1/2" 12 m
87090105	AC hose with PVC fittings FF 3/4"-1/2" 25 m
87090206	DT hose with brass fittings FF 3/4"-1/2" 2.5 m
87090207	DT hose with brass fittings FF 3/4"-1/2" 5 m
87090200	DT hose with brass fittings FF 3/8"-1/2" 12 m
87090201	DT hose with brass fittings FF 3/8"-1/2" 25 m
87090202	DT hose with brass fittings FF 1/2"-1/2" 12 m
87090203	DT hose with brass fittings FF 1/2"-1/2" 25 m
87090204	DT hose with brass fittings FF 3/4"-1/2" 12 m
87090205	DT hose with brass fittings FF 3/4"-1/2" 25 m

Compact fogging equipment, practical and easy to handle, to release a micronized mist of the product in the environment through air pressure.

FOGGER

Model	Code	Product flow rate ¹ (cc/min.)	Air consumption (l/m)	Approx. work area (m ²)
NEBU E-20/1	87200001	100	150	400
NEBU E-20/2	87200011	200	300	700
NEBU E-20/3	87200021	300	450	1000

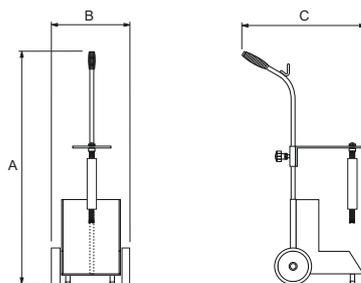
Code ¹: The flow rates are approximate and they are calculated at an air pressure of 6 bar.

CHARACTERISTICS:

Working air pressure: from 4 to 8 bar.
 Maximum suction height: 40 cm.
 Necessary air flow rate: from 100 l/min. for a dosing from 0.85 to 24.5%.

GENERAL MATERIAL DATA:

Trolley material: 316L stainless steel.
 Spray nozzle: 316L stainless steel / FKM.
 Suction pipe: Flexible PVC braided hose.
 Wheels: nylon/rubber (optional).
 Air connection and universal M quick adapter.
 Product container: 20-liter bottle (ideal).



DIMENSIONS/MM

Model	A	B	C
NEBU E	960	400	500

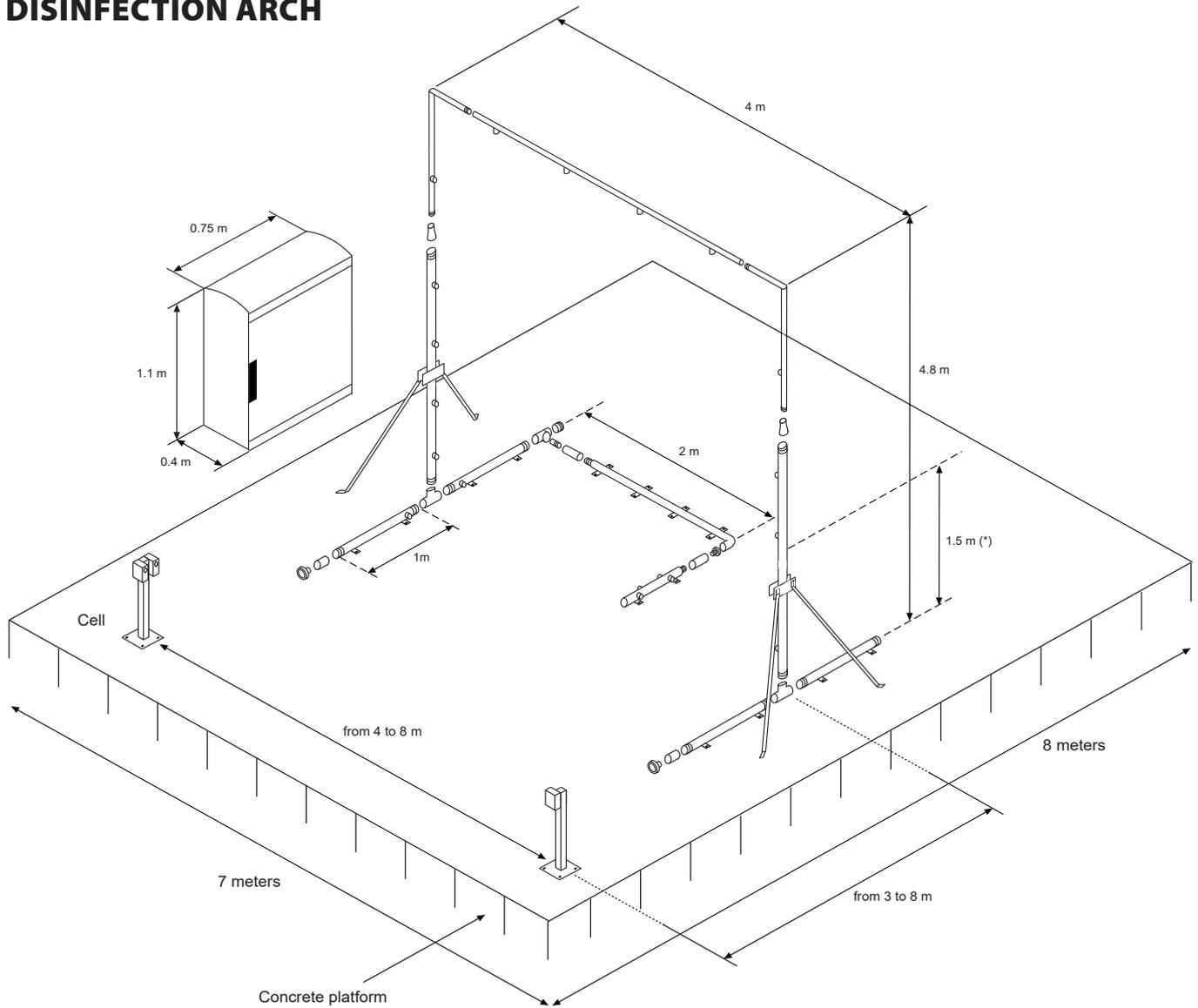


Code	Materials
87200200	TIMER digital controller
87200901	Air fogger hose with 12-m fittings
87200902	Air fogger hose with 25-m fittings

ACCESSORIES



DISINFECTION ARCH



ORDER METHOD

ARK - **T** - **DSA** + **D**

ARK Complete arch
ARKS Semi-arch

- No option
T Ground part
 (for ARK and ARKS)

1SA 1-direction advanced disinfection
DSA Direction discriminator
P Manual - Button

Model	Code	Description
-	-	No option
A	17200911	Outdoor cabinet made from polyester
B	11021020	Pump for complete arch
BS	11021011	Pump for semi-arch
DP	17200901	300-liter auxiliary tank

Model	Code	Description
ARK	17200000	Complete arch
ARKS	17200010	Semi-arch

GENERAL INFORMATION:

Arch structure in 316L stainless steel.
 Working pressure: from 2.5 to 10 bar.
 Ideal pressure: 5 bar.
 Temperature: from 1 to 50 °C.
 Continuous operation.
 Anti-freeze system via heater cable (optional).

CHARACTERISTICS OF ARK MOD.:

Dimensions: 4 m (width) x 4.8 m (height).
 18 x 65° flat nozzles in stainless steel.
 Approx flow rate at 5 bar: 3500 l/h.

CHARACTERISTICS OF ARKS MOD.:

Dimensions: 4 m (width) x 1.5 m (height).
 12 x 65° flat nozzles in stainless steel.
 Approx flow rate at 5 bar: 2200 l/h.

Model	Code	Description
-	-	No option
T	17200050	Ground part (for ARK and ARKS)

GENERAL INFORMATION:

Arch structure in 316L stainless steel.
 Vehicle press bar in 316L stainless steel.
 Structure connection kit.
 Multiple installation points.
 Working pressure: from 2.5 to 10 bar.
 Ideal pressure: 5 bar.

Temperature: from 1 to 50 °C.
 Continuous operation.

CHARACTERISTICS:

Dimensions: 2 m (width) x 0.5 m (height).
 4 x 65° flat nozzles in stainless steel.
 Approx flow rate at 5 bar: 750 l/h.

Model	Code	Description
1SA	17200711	1-direction advanced disinfection
DSA	17200730	Direction discriminator
P	17200740	Manual - Button

GENERAL INFORMATION:

230 Vac control unit.
 Pre-installed 1-inch PVC panel.
 Dosing pump DMX 50 l/h PVC/T/T.
 Pressure manometer: glycerin 0-10 bar.
 1-inch PVC check valve.
 1-inch electrovalve, 24 Vdc.
 Working pressure: from 0.5 to 10 bar.
 Ideal pressure: 5 bar.
 Temperature: from 1 to 35 °C.
 Continuous operation.
 The product is not in contact with the equipment.
 Compatible with ARK, ARKS and T.

CHARACTERISTICS OF DSA:

Single-direction disinfection on entry and exit.
 Direction discriminator.
 Smart control unit.
 Photocell control.
 Totalizer for vehicles and hours.
 High-precision barrier photocell: 20 m, 24 Vdc.
 Photocell bases with protective stainless-steel cover.

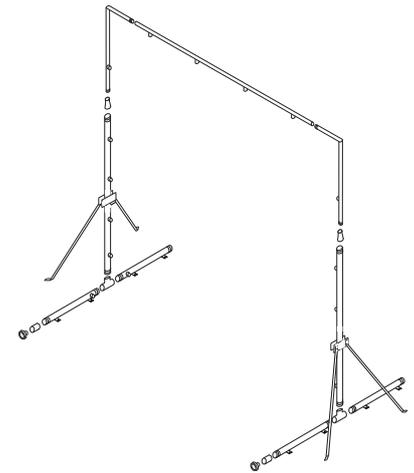
CHARACTERISTICS OF P:

Manual disinfection via button.
 Control unit with timer.
 Integrated button on the control panel.
 Optional remote button.

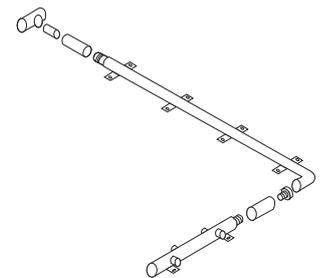
CHARACTERISTICS OF 1SA:

Single-direction disinfection on entry and exit.
 Smart control unit.
 Photocell control.
 Totalizer for vehicles and hours.
 High-precision barrier photocell: 20 m, 24 Vdc.
 Photocell bases with protective stainless-steel cover.

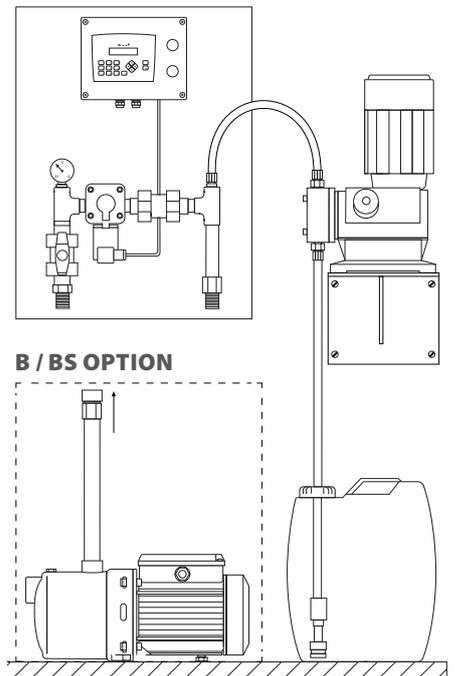
ARCH MODEL



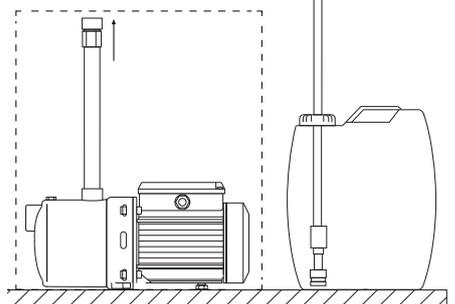
STRUCTURE OPTIONS FOR ARCH



TYPE OF AUTOMATION



B / BS OPTION



sensus

0 4 3 8 m³

ACCESSORIES AND EXTRAS

meters

x 0,0001

Robust and precise magnetic transmission meters with direct reading including liter count. Reliable, easy-to-fit independent pulse emitter with flow direction. Possibility for pulse and data transmitter.

WATER METER CLASS B



Model	Code	Fitting connections (in inches)	Range Q ₃ / Q ₁	Flow rates ¹ (l/h)		
				Q _a	Min. q	Q ₃
120-C 15.115	11302015	1/2	80	7	30	2500
120-C 20.115	11302020	3/4	80	10	50	4000
420PC 25.260	11306025	1	80	20	50	6300
420PC 30.260	11306030	1¼	80	20	90	10,000
420PC 40.300	11306040	1½	80	40	150	16,000

Fittings not included.

CHARACTERISTICS:

Maximum working pressure: 10 bar. (120-C), 16 bar (420PC).
Temperature: from 1 to 35 °C.

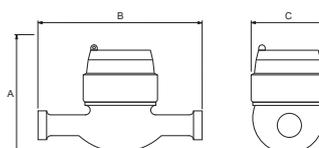
GENERAL MATERIAL DATA:

Brass body.
Plastic turbine, gears and shaft.
Sapphire bearings.
Adjustable face.
Single-jet (mod. 120-C).

Multi-jet (mod. 420PC).
Pulse or data emitter (optional).
Cold water models; hot water models are available.
Connector fittings not included.

CODE¹:

Q_a = Starter flow rate.
Q min. = Minimum flow rate (max. error 5%).
Q₃ = Nominal flow rate.



DIMENSIONS/MM

Model	A	B	C
120-C 15.115	100	115	70
120-C 20.115	100	115	70
420PC 25.260	142	260	102
420PC 30.260	142	260	102
420PC 40.300	160	300	136

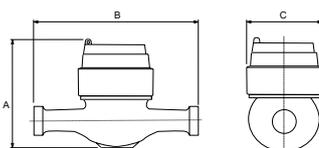
Rotary piston volumetric meters that operate with very low flow rates and offer much greater reliability and precision compared to conventional meters. Direct reading including liter count and the possibility to easily incorporate a pulse emitter with flow direction or a data transmitter.

WATER METER CLASS D



Model	Code	Fitting connections (in inches)	Range Q ₃ / Q ₁	Flow rates ¹ (l/h)		
				Q _a	Min. q	Q ₃
620-C 15.115	11311015	1/2	315	1	3	2500
620-C 20.190	11311020	3/4	315	2	6	4000
620 25.260	11310025	1	315	7	11	6300
620 30.260	11310030	1¼	315	7	11	10,000
620 40.300	11310040	1½	315	15	25	16,000

Fittings not included.



DIMENSIONS/MM

Model	A	B	C
620-C 15.110	140	115	104
620-C 20.190	150	190	114
620 25.260	186	260	135
620 30.260	186	260	135
620 40.300	193	300	150

CHARACTERISTICS:

Maximum working pressure: 16 bar.
Temperature: from 1 to 35 °C.

GENERAL MATERIAL DATA:

Body made from composite (mod. 620-C) and brass (mod. 620).
Plastic turbine, gears and shaft.
Sapphire bearings.
Adjustable face.

Pulse or data emitter (optional).
Cold water models; hot water models are available.
Connector fittings not included.

CODE¹:

Q_a = Starter flow rate.
Q min. = Minimum flow rate (max. error 5%).
Q₃ = Nominal flow rate.

WATER METER CLASS B TURBINE



Turbine meters with hydrodynamically balanced rotor and symmetrical calibration adjustment. They have a broad measurement range with good resolution throughout the working range. Possibility to easily insert a pulse emitter.

Model	Code	Flange connections (in inches)	Range Q ₃ / Q ₁	Flow rates ¹ (m ³ /h)		
				Q _a	Min. q	Q ₃
WP 50.200	11320050	2	100	0.05	0.28	25
WP 65.200	11320065	2½	100	0.07	0.4	40
WP 80.200	11320080	3	100	0.10	0.5	63
WP 100.250	11320100	4	100	0.11	0.5	100
WP 125.250	11320125	5	100	0.15	1	160
WP 150.300	11320150	6	100	0.3	1.6	250

Flanges not included.

CHARACTERISTICS:

Maximum working pressure: 16 bar.
Temperature: from 1 to 50 °C.

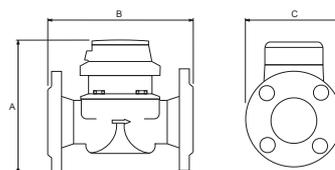
GENERAL

MATERIAL DATA:

Body: cast iron.
Insertion set and propeller: polymers.
Adjustable face.
Pulse or data emitter (optional).
Seals included.
Flanges and fasteners not included.

CODE '1:

Q_a = Starter flow rate.
Q min. = Minimum flow rate (max. error 5%).
Q₃ = Nominal flow rate.



DIMENSIONS/MM

Model	A	B	C
WP 50.200	193	200	146
WP 65.200	205	200	170
WP 80.200	245	225	190
WP 100.250	255	250	210
WP 125.250	278	250	236
WP 150.300	312	300	270

PULSE EMITTER ACCESSORIES



Pulse emitters that permit transmission of readings from our meter to external equipment.

Model	Code	Compatible meters
Emisor HRI	11390002	420PC/620/120-C
Emisor HRI-WP	11390004	WP
Emisor WP OD07	11390005	WP
OPT-4b	11390902	All

CHARACTERISTICS:

Emisor HRI: Standard emitter of 1 pulse for every 1 liter with programming options for different values (1 pulse x 2.5/5/10/25/50/100/250/500/1000 liters).

Emisor HRI-WP: Standard emitter of 1 pulse for every 100 liters, with programming option for different values (1 pulse x 10/100/500/1000 liters).

Emisor WP OD07: Special optical emitter of 1 pulse for every 1 liter up to WP125, then 1 pulse every 10 liters. It requires a 24 Vdc supply or a pulse discriminator (mod. OPTIC).

OPT-4b: 230-Vac opto-isolator capable of generating 4 independent outputs on receiving a pulse from the emitter.

MUST BE USED FOR THE CONNECTION OF MORE THAN ONE DEVICE TO A PULSE EMITTER.

Residual magnetism volumetric meter offering unrivaled measurement accuracy with an R800 ratio across the entire range. Smart meter, no matter the installation direction or position. It is also a robust and reliable device because it has no moving parts in its interior which could break down or wear out, for example. Equipped with the latest technology for communication on AMI networks, among others, via an 868-MHz or 433-MHz energy-efficient radio, with a battery with a useful life of over 15 years.

WATER METER CLASS D ADVANCED



Model	Code	Fitting connections (in inches)	Range Q3 / Q1	Flow rates ¹ l/h		
				Qa	Min. q	Q ₃
iPERL 15.115	11315015	1/2	800	1.6	3.13	2500
iPERL 20.115	11315020	3/4	800	2.5	5	4000
iPERL 25.260	11315025	1	800	4	7.88	6300
iPERL 30.260	11315030	1¼	800	6.4	12.5	10,000
iPERL 40.300	11315040	1½	800	10	20	16,000

Fittings not included.

CHARACTERISTICS:

Maximum working pressure: 16 bar.
Minimum water conductivity: 120 µS/cm.
Temperature: from 1 to 50 °C.

GENERAL INFORMATION:

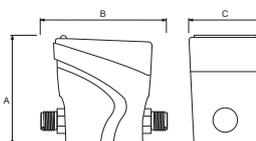
Digital totalizer.
No moving parts.
Alarm functions.
Data recording with 2880 parameters.
Bi-directional communication for automatic meter reading (AMR) solutions and advanced metering infrastructure (AMI).
Useful life of over 15 years, depending on the communication use.
WHO certified.

GENERAL MATERIAL DATA:

Body made from composite.
Fully sealed tamperproof meter.
Cold water models; hot water models are not available.
Connection fittings not included.

CODE¹:

Qa = Starter flow rate.
Q min. = Minimum flow rate (max. error 5%).
Q₃ = Nominal flow rate.



DIMENSIONS/MM

Model	A	B	C
iPERL 15.115	120	115	94
iPERL 20.115	120	115	94
iPERL 25.260	138	260	114
iPERL 30.260	138	260	114
iPERL 40.300	138	300	114

Model	Code	Description
TSL	11330000	TSL liter preselector
TSL-R	11330100	TSL liter preselector with weekly clock

Kit not included.

Model	Code	Description
TSL-DN15	11330215	Complete kit for preselector TSL DN15 (1/2")
TSL-DN20	11330220	Complete kit for preselector TSL DN20 (3/4")
TSL-DN25	11330225	Complete kit for preselector TSL DN25 (1")
TSL-DN30	11330230	Complete kit for preselector TSL DN30 (1¼")
TSL-DN40	11330240	Complete kit for preselector TSL DN40 (1½")

Accessories for TSL and TSL-R preselector.

CHARACTERISTICS:

TSL preselector: 230 Vac electronic controller with start/stop control button and remote-control option. Pulse input (1 pulse x 1 liter) and output to manage automation, or electrovalve. Possibility for large dosages and totalizer function and partial count.

TSL-R preselector: The same functions as the TSL but with a weekly clock for programmable functions with a maximum of 2 operations per day.

Full kit: This kit includes a pulse emitter (1 pulse x 1 liter), a high-quality 230-Vac brass electrovalve, which is normally closed, and a Class B water meter, depending on the kit model.

PRESELECTOR



FITTINGS & FLANGES



Set of fittings and flanges necessary for connection to water meters.

Model	Code	Fitting connections (in inches)	Compatible meters
Racor 15	11390215	1/2	120-C 15.115
			620-C 15.115
			iPERL 15.115
Racor 20	11390220	3/4	120-C 20.115
			620-C 20.190
			iPERL 20.115
Racor 25	11390225	1	420PC 25.260
			620 25.260
			iPERL 25.260
Racor 30	11390230	1¼	420PC 30.260
			620 30.260
			iPERL 30.260
Racor 40	11390240	1½	420PC 40.300
			620 40.300
			iPERL 40.300
Brida 50	11390300	2	WP 50.200
Brida 65	11390301	2½	WP 65.200
Brida 80	11390302	3	WP 80.200
Brida 100	11390303	4	WP 100.250
Brida 125	11390304	5	WP 125.250
Brida 150	11390305	6	WP 150.300
Tornillos WP 50/60	11390350	Set of stainless-steel fasteners for WP50/65 meter	
Tornillos WP 80	11390351	Set of stainless-steel fasteners for WP80 meter	



ACCESSORIES AND EXTRAS

tanks

TANK PE SERIES

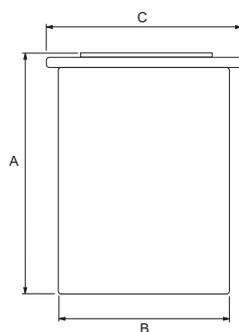


Rotomolded linear polyethylene tanks. Suitable for the food industry.

Code	Type of Tank	Capacity (liters)	Dimensions (mm)		
			A	B	C
11501050	Conical with lid	500	1090	760	960
11501100	Conical with lid	1000	1475	985	1230
11501150	Conical with lid	1500	1220	1200	1500
11501200	Conical with lid	2000	1450	1300	1500
11501300	Conical with lid	3000	1390	1600	1860
11502101 ¹	Conical full-drain tank.	1000	1575	985	1230
11502102 ²	Conical full-drain tank.	1000	1575	985	1230
11504010	Cylindrical with lid	100	720	460	500
11504030	Cylindrical with lid	300	930	690	750
11504060	Cylindrical with lid	600	1320	800	900
11504080	Cylindrical with lid	800	1080	1050	1100
11510007	Dosing tank with screw cap	75	520	490	-
11510011	Dosing tank with screw cap	120	730	510	-
11510020	Dosing tank with screw cap	200	900	570	-
11510050	Dosing tank with screw cap	500	1180	760	-
11510100	Dosing tank with screw cap	1000	1345	1060	-

Code 1: With reinforced inlet. Gray. Mount not included.

Code 2: Without reinforced inlet. Gray. Mount not included.



GENERAL MATERIAL DATA:

Made from linear polyethylene.
 Top quality virgin plastic.
 UV treatment included.
 Translucent white color (other colors available upon request).
 The 75-liter dosing tank includes inserts for connecting accessories.
 The full-drain tanks do not include mounts.



ACCESSORIES AND EXTRAS

pumps

MULTI-STAGE

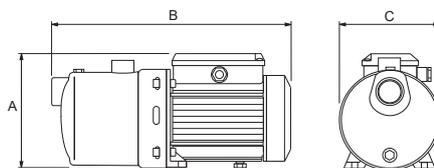


Horizontal close coupled multi-stage pump with integrated injector. Its compact and robust design make it ideal for domestic use and civil, industrial, gardening and irrigation applications.

Model	Code	Inlet connection (in inches)	Outlet connection (in inches)	Voltage	Power		Consumption (A)
					kW	CV	
NGXM 2	11001002	1	1	1 ~ 230 Vac	0.45	0.6	3.3
MXHM 204	11011204	1¼	1	1 ~ 230 Vac	0.55	0.75	4.2
MXHM 205	11011205	1¼	1	1 ~ 230 Vac	0.75	1	5.4
MXHM 206	11011206	1¼	1	1 ~ 230 Vac	1.1	1.5	7.4
MXHM 404	11011404	1¼	1	1 ~ 230 Vac	0.75	1	5.4
MXHM 405	11011405	1¼	1	1 ~ 230 Vac	1.1	1.5	7.4
MXHM 406	11011406	1¼	1	1 ~ 230 Vac	1.5	2.2	9.2
MXHM 804	11011804	1½	1	1 ~ 230 Vac	1.5	2.2	9.2
MXH 204	11013204	1¼	1	3 ~ 230/400 Vac	0.55	0.75	2.8 / 1.6
MXH 205	11013205	1¼	1	3 ~ 230/400 Vac	0.75	1	3.5 / 2
MXH 206	11013206	1¼	1	3 ~ 230/400 Vac	1.1	1.5	9.2
MXH 404	11013404	1¼	1	3 ~ 230/400 Vac	0.75	1	3.5 / 2
MXH 405	11013405	1¼	1	3 ~ 230/400 Vac	1.1	1.5	2.7 / 4.7
MXH 406	11013406	1¼	1	3 ~ 230/400 Vac	1.5	2.2	9.2
MXH 804	11013804	1½	1	3 ~ 230/400 Vac	1.5	2.2	6.4 / 3.7
MXH 805	11013805	1½	1	3 ~ 230/400 Vac	1.8	2.5	7.5/4.3
MXH1604	11013904	2"	1½	3 ~ 230/400 Vac	3	4	11.5 / 6.6

DIMENSIONS/MM

Model	A	B	C
NGXM 2	176	362	161
MXHM 204	189	381	160
MXHM 205	189	405	160
MXHM 206	189	450	160
MXHM 404	189	381	160
MXHM 405	192	464	160
MXHM 406	192	500	160
MXHM 804	192	470	160
MXH 204	189	381	160
MXH 205	189	405	160
MXH 206	189	450	160
MXH 404	189	381	160
MXH 405	189	405	160
MXH 406	189	450	160
MXH 804	192	470	160
MXH 805	192	500	160
MXH1604	235	612	160



CHARACTERISTICS:

Voltage: single-phase 230 Vac (MXHM and NGXM models); three-phase 230/400 Vac (MXH models).
 Frequency: 50 Hz.
 Water temperature: from -15 to 90 °C.

GENERAL MATERIAL DATA:

AISI 304 stainless-steel pump body.
 AISI 304 stainless-steel rotor.
 EPDM and PTFE seals.



WE DESIGN, MANUFACTURE AND INSTALL TAILOR-MADE EQUIPMENT BASED ON OUR CLIENTS' NEEDS.

Pressure boosting sets for the automatic distribution of water in installations where low or medium pressure and flow rates are required.

PRESSURE EQUIPMENT (domestic)

Model	Code	Pump model	Controller
MXHM 204/ID-2	11101204	MXHM 204A	Electronic regulator
MXHM 205/ID-2	11101205	MXHM 205A	Electronic regulator
MXHM 206/ID-2	11101206	MXHM 206	Electronic regulator
MXHM 404/ID-2	11101404	MXHM 404A	Electronic regulator
MXHM 405/ID-2	11101405	MXHM 405	Electronic regulator
MXHM 406/ID-2	11101406	MXHM 406	Electronic regulator
MXHM 204/24	11111204	MXHM 204A	Pressure switch
MXHM 205/24	11111205	MXHM 205A	Pressure switch
MXHM 206/24	11111206	MXHM 206	Pressure switch
MXHM 404/24	11111404	MXHM 404A	Pressure switch
MXHM 405/24	11111405	MXHM 405	Pressure switch
MXHM 406/24	11111406	MXHM 406	Pressure switch

CHARACTERISTICS:

Voltage: single-phase 230 Vac.

Frequency: 50 Hz.

Check the suitable pump model characteristics.

GENERAL MATERIAL DATA:

AISI 304 stainless-steel pump body.

AISI 304 stainless-steel rotor.

EPDM and PTFE seals.

Electronic pressure regulator with start/stop controller for the pump and vacuum operation protection.

The pressure switch models include a 24-liter accumulator with replaceable membrane.



Pressure boosting set for the automatic distribution of water in installations that suffer significant fluctuations where medium pressure and flow rates are required.

PRESSURE EQUIPMENT DOUBLE

Model	Code	Pump model	Voltage
1M/MXHM 404	11121404	MXHM 404A	1 ~ 230 Vac
1M/MXHM 405	11121405	MXHM 405	1 ~ 230 Vac
1M/MXHM 406	11121406	MXHM 406	1 ~ 230 Vac
1M/MXHM 804	11121804	MXHM 804	1 ~ 230 Vac
1M/MXH 404	11123404	MXH 404A	3 ~ 230/400 Vac
1M/MXH 405	11123405	MXH 405B	3 ~ 230/400 Vac
1M/MXH 406	11123406	MXH 406	3 ~ 230/400 Vac
1M/MXH 804	11123804	MXH 804	3 ~ 230/400 Vac
1M/MXH 805	11123805	MXH 805A	3 ~ 230/400 Vac
2M/MXHM 205	11141205	2 x MXHM 205A	1 ~ 230 Vac
2M/MXHM 404	11141404	2 x MXHM 404A	1 ~ 230 Vac





Model	Code	Pump model	Voltage
2M/MXHM 405	11141405	2 x MXHM 405	1 ~ 230 Vac
2M/MXHM 406	11141406	2 x MXHM 406	1 ~ 230 Vac
2M/MXHM 804	11141804	2 x MXHM 804	1 ~ 230 Vac
2M/MXH 205	11143205	2 x MXH 205A	3 ~ 230/400 Vac
2M/MXH 404	11143404	2 x MXH 404A	3 ~ 230/400 Vac
2M/MXH 405	11143405	2 x MXH 405B	3 ~ 230/400 Vac
2M/MXH 406	11143406	2 x MXH 406	3 ~ 230/400 Vac
2M/MXH 804	11143804	2 x MXH 804	3 ~ 230/400 Vac
2M/MXH 805	11143805	2 x MXH 805A	3 ~ 230/400 Vac

Accumulator not included.

CHARACTERISTICS:

Voltage: single-phase 230 Vac (MXHM models);
three-phase 230/400 Vac (MXH models).
Frequency: 50 Hz.
Water temperature: from -15 to 90 °C.

GENERAL MATERIAL DATA:

Stainless-steel multi-stage electropumps.
Control panel.
Membrane accumulator (not included).
Discharge manifold.
Base mount for the pumps.
Check valves.
Ball valves.
Pressure switches.
Manometers.

ACCESSORIES



Model	Code	Description
5AMR-E	11240005	Membrane accumulator 5 l AMR-E ball 1 inch
24AMR-E	11240024	Membrane accumulator 24 l AMR-E ball 1 inch
24AMR-E INOX	11242024	Membrane accumulator 24 l AMR-E INOX ball 1 inch
50AMR-10	11240050	Membrane accumulator 50l AMR-10 bar 1 inch
50AMR-16	11240051	Membrane accumulator 50l AMR-16 bar 1 inch
100AMR-P	11245100	Membrane accumulator 100 l AMR-P vertical with legs
200AMR-B90	11245200	Membrane accumulator 200 l AMR-B90 vertical with legs
C2B 60	11246060	Membrane accumulator 60l vertical plastic
C2B 130	11246130	Membrane accumulator 130l vertical plastic
C2B 200	11246200	Membrane accumulator 200l vertical plastic
IDROMAT-3	11202000	IDROMAT electronic pump regulator
IDROMAT-2	11202002	IDROMAT-2 electronic pump regulator
INSU600	11204600	INSUFLAIR 600 air injector
FSG2	11200000	FSG 2 pump pressure switch
XMXA-06L	11200001	XMXA reverse action pump pressure switch

NEW

Compact pressure boosting set for the automatic distribution of water in installations where medium pressure and flow rates are required with fluctuations. Great pressure adjustment and control thanks to an advanced inverter and simple and intuitive interface, with the possibility for remote and full connection via a smartphone.

Model	Code	Pump model	Voltage	Power
VARIO/CME 3-4 M	11161034	CME 3-4	1 ~ 230 Vac	1.5 CV
VARIO/CME 5-4 M	11161054	CME 5-4	1 ~ 230 Vac	2 CV
VARIO/CME 5-4 T	11163054	CME 5-4	3 ~ 400 Vac	2 CV
VARIO/CME 10-2T	11163102	CME 10-2	3 ~ 400 Vac	3 CV
VARIO/CME 10-3T	11163103	CME 10-3	3 ~ 400 Vac	5.5 CV

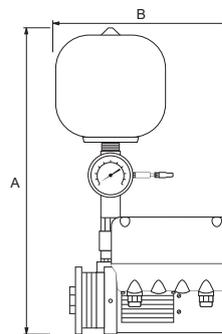
CHARACTERISTICS:

Voltage: single-phase 230 Vac or three-phase 400 Vac, depending on the model.
Frequency: 50/60 Hz.
Protection grade: IP55.
Water temperature: from -20 to 90 °C.

GENERAL INFORMATION:

Control via integrated inverter, optimized for each model.
Simple and user-friendly interface.
Continuous control and optimization of electricity consumption.
Totalizer for hours and consumption.
High-quality stainless-steel transducer for 0-6 bar.
5-liter accumulator for better low-flow performance.
Non-return valve on outlet.

Glycerin manometer.
Alert and alarm log.
Outlet for programmable alarms or alerts with isolated relay.
4-20 mA outlet with different programmable functions.
Power outlet for 5 Vdc and 24 Vdc sensors.
Programmable input/output for 24 Vdc open collector.
Programmable digital input.
Programmable 0-20 mA / 4-20 mA / 0-5 V / 0-10 V analog input.
GENibus communication.
Remote control and programming with Bluetooth via smartphone (iOS/Android) through a GO remote interface (optional).

**PRESSURE EQUIPMENT WITH INVERTER****MATERIAL DATA:**

CME 3 connection: 1-inch inlet and outlet.
CME 5 connection: 1¼-inch inlet and 1-inch outlet.
CME 10 connection: 1½-inch inlet and 1-inch outlet.
Cast iron and AISI 304 pump body.
Impeller, chamber and filling caps in AISI 304.
Pump shaft in AISI 431.
Pressure transducer in AISI 630 (contact with liquid) and AISI 316L (body).

DIMENSIONS/MM

Model	A	B	C
VARIO/CME 3	580	363	210
VARIO/CME 5	616	415	264
VARIO/CME10	750	515	300

OPERATION:

The inverter includes an electronic controller that uses the pressure transducer to monitor the pressure in the network, and it readjusts the flow rate of the pumps to maintain a constant pressure. When the controller detects a constant pressure and the water is not circulating, it starts to reduce the speed of the pump until it stops. There is a small pressure spike in order to re-start the device. To avoid an unwanted stop-start cycle at low consumptions, the system is equipped with a 5-liter accumulator to improve performance in these cases.

Using the arrow buttons, we can directly select the working pressure of our system, within certain limits. For example, on the VARIO/CME model, between 0.7 and 5 bar.

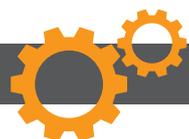
The button panel includes a stop and start button and a display for the status and operation.

The device is pre-configured with an inlet for a level probe or similar for the installation protection in the event of low water. The controller also has several outputs for alarms or pre-sets. By default, an alarm relay outlet is pre-configured for faults in the equipment, as well as an outlet in case the working pressure drops below 0.6 bar. This allows us to protect the pump from a lack of water, activate an alarm on a central system, etc.

Through the option GO remote accessory, we can connect a smartphone and access all the pump functions and programs. It allows for the adjustment of pump curves, limits, programmable inputs and outputs and for access to power totalizers and instant and accumulated consumption readings.

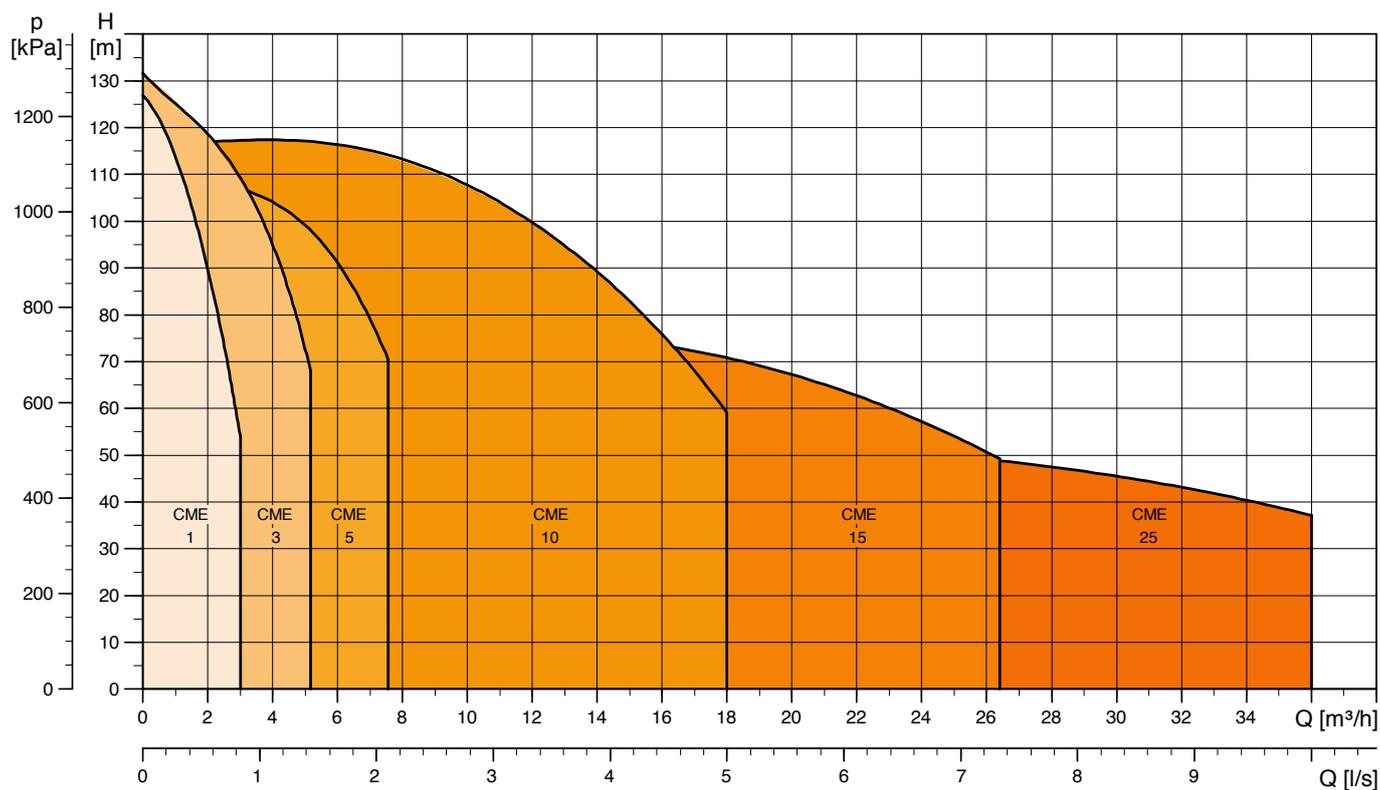
MAIN ADVANTAGES:

The main advantage is the optimization of electricity consumption and the linearity of flow and pressure, resulting in a system that strikes a balance between technical requirement and performance. It is a robust and compact device that allows us to optimize space as external accumulators are not required.



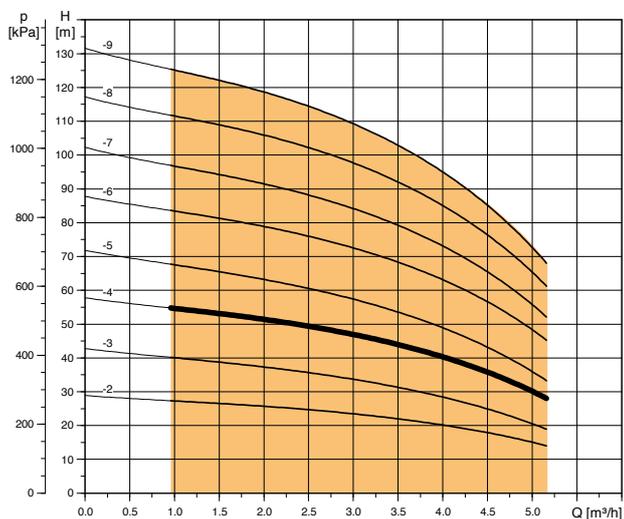
WE DESIGN, MANUFACTURE AND INSTALL TAILOR-MADE EQUIPMENT BASED ON OUR CLIENTS' NEEDS.

Performance range

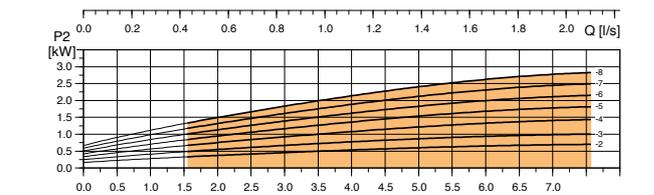
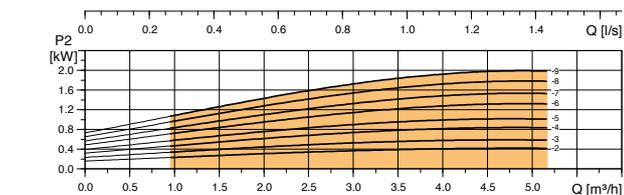
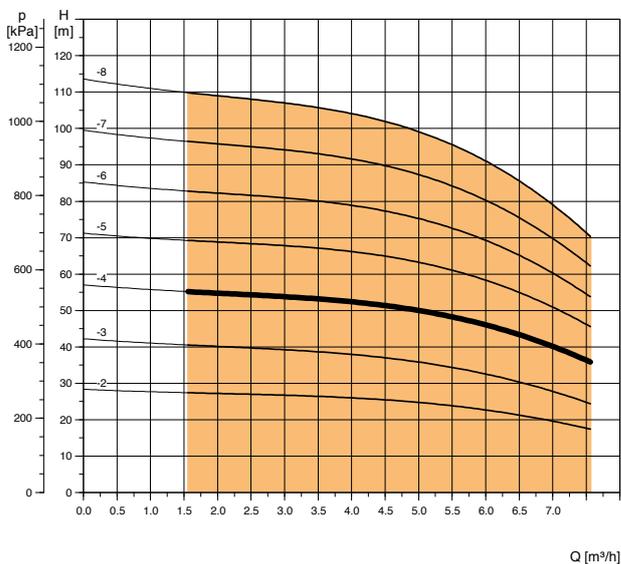


Curves

CME 3



CME 5



NEW

Double pressure boosting set for the automatic distribution of water in installations that suffer significant fluctuations where medium pressure and flow rates are required. Great pressure adjustment and control via an advanced inverter and control panel.

PRESSURE EQUIPMENT WITH INVERTER

Model	Code	Pump model	Voltage	Power
VARIO/2T-205	11173205	2 x MXH 205	3 ~ 400 Vac	2 x 1 CV
VARIO/2T-405	11173405	2 x MXH 405	3 ~ 400 Vac	2 x 1.5 CV
VARIO/2T-805	11173805	2 x MXH 805	3 ~ 400 Vac	2 x 2.5 CV
VARIO/2T-1604	11173904	2 x MXH 1604	3 ~ 400 Vac	2 x 4 CV

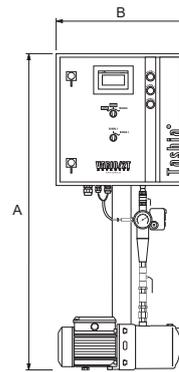
CHARACTERISTICS:

Voltage: single-phase 230 Vac (VARIO/M models); three-phase 400 Vac (VARIO/2T).
 Frequency: 50 Hz.
 Protection grade: IP65.
 Water temperature: from -15 to 90 °C.

GENERAL INFORMATION:

Control via advanced FR-F840 inverter.
 Very user-friendly and easy-to-handle touchscreen.
 Screen with multiple colors to indicate status ("On", "Standby" and "Alarm").
 Pressure display and selection directly on the screen.
 Electronic control for excess pressure and low water.
 Switching system and automatic cascade.
 Totalizer for use of the pumps.

- Automatic alarm reset.
- Alarm log.
- Alarm output.
- Bypass system for non-electronic control.
- Electric inlet protection and motor protector.
- Manual selection of modes and pumps.
- High-quality pressure transducer for 0-6 bar.
- Mechanical pressure switch for manual operation.
- 50-liter accumulator for better low-flow performance.
- Ball valve and non-return valve for each pump.
- Glycerin manometer.



DIMENSIONS/MM

Model	A	B	C
VARIO/2T	1300	500	700

MATERIAL DATA:

Robust AISI 304 structure.
 Galvanized 4-mm mount.
 Outlet manifold with 2-inch BSP (except 2T-1604 with 2½-inch BSP).
 Pump body and rotor in AISI 304.
 Pressure transducer in AISI 630 (contact with liquid) and AISI 316L (body).
 Robust and metallic IP66 electrical panel with quick-open lever.
 Manifold fastening support for easy pump repair.

OPERATION:

The inverter includes an electronic controller (PLC) that uses the pressure transducer to monitor the pressure in the network, and it adjusts the flow rate of the pumps to maintain a constant pressure. When the controller detects a constant pressure and the water is not circulating, it starts to reduce the speed of the pump until it stops. There is a small pressure spike in order to re-start the device. To avoid an unwanted stop-start cycle at low consumptions, the system is equipped with a 50-liter accumulator to improve performance in these cases.

The system incorporates the switching function and automatic cascade. Each time it is activated, a different pump starts up, first 1 then 2. The first pump to start up is the main pump and the inverter adjusts the working frequency. When the main pump reaches its maximum level, the auxiliary pump activates to achieve the desired pressure-flow value. When consumption drops, the auxiliary pump disconnects. This process is managed electronically so it runs naturally and smoothly.

Using the touchscreen, we can directly select the working pressure of our system, within certain limits. For example, on the VARIO/2T model, between 1.5 and 5 bar. The screen has a straightforward and easy-to-handle interface so the user can access the system's basic parameters, such as the pressure setpoint, totalizers and alarm logs.

The screen incorporates a clear multi-color display for viewing the system status from afar; green for pump operation, white for standby and red for alarm. When an alarm sounds, the screen turns red and shows a message indicating the type of alarm. The equipment can be reset and rearmed from this screen.

The system also has a potential-free alarm contact.

In the event of a fault in the electronics, the system is equipped with a (completely manual) pump control, which can be selected by a switch on the equipment panel, without compromising the safety of the system. A pressure switch is used to stop and start the selected pump. If, for any reason, the motor protector triggers, we will receive a visual alarm and the alarm output will be activated.

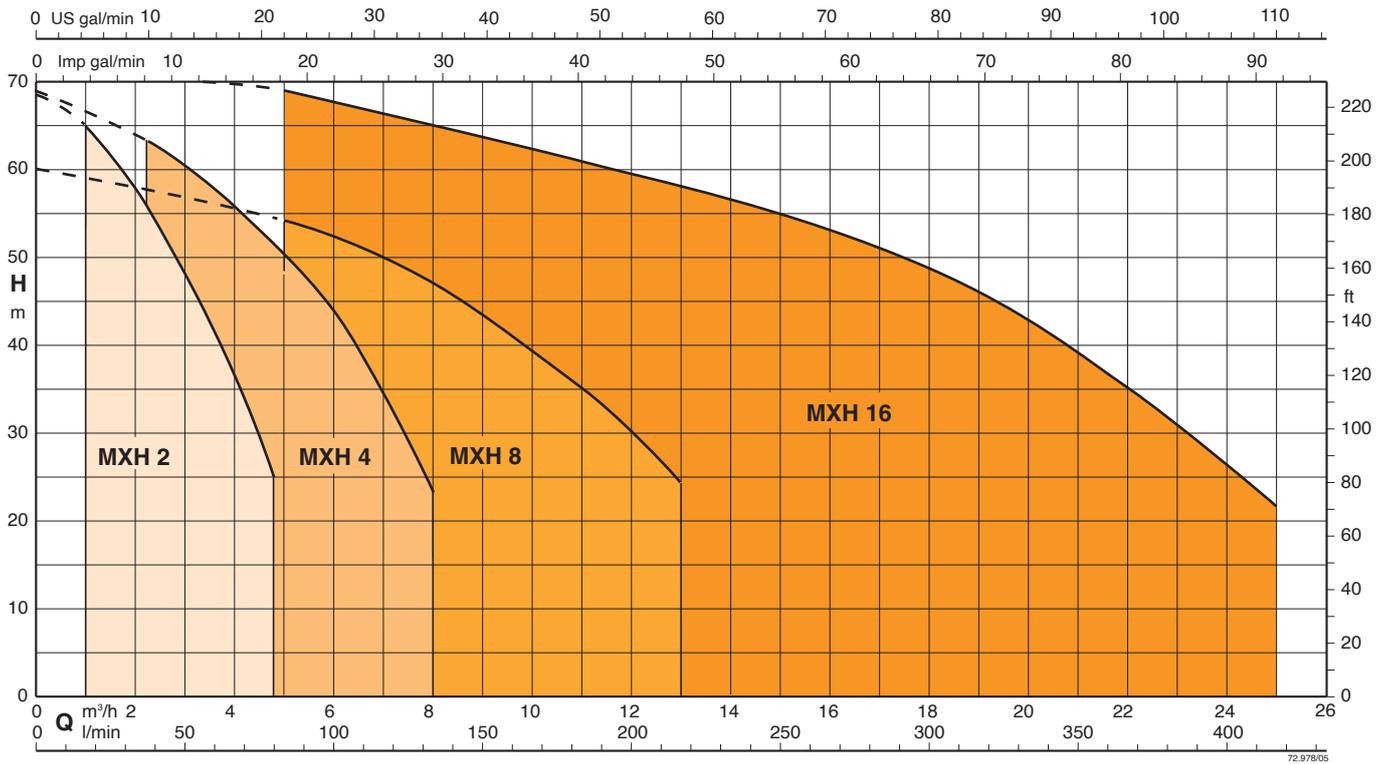
MAIN ADVANTAGES:

The main advantage is the optimization of electricity consumption and the linearity of flow and pressure, resulting in a system that strikes a balance between technical requirement and performance. It is a robust and compact device that allows us to optimize space as external accumulators are not required.



WE DESIGN, MANUFACTURE AND INSTALL TAILOR-MADE EQUIPMENT BASED ON OUR CLIENTS' NEEDS.

Coverage chart n ≈ 2800 1/min.



Performance n ≈ 2800 1/min.

3 ~ 230 V 400 V			1 ~ 230 V P ₁			P ₂		Q										
A	A		A	kW	kW	HP	m³/h		0	1	1.5	2	2.5	3	3.5	4	4.25	4.8
MXH 202E	1.7	1	MXHM 202E	2.3	0.5	0.33	0.45	H m	0	16.6	25	33.3	41.6	50	58.3	66.6	70.8	80
MXH 203E	2.4	1.4	MXHM 203E	3	0.65	0.45	0.6		22	20.5	19.4	18	16.4	14.2	12	9.9	8.7	5.5
MXH 204/A	2.8	1.6	MXHM 204/A	4.2	0.9	0.55	0.75		33	31	29	27	24.5	21.7	18.6	15.5	13.8	9
MXH 205/A	3.5	2	MXHM 205/A	5.4	1.2	0.75	1		45	42.5	40.4	37.5	34.5	30.8	26.7	22.4	20.1	14.8
MXH 206/B	4.7	2.7	MXHM 206	7.4	1.5	1.1	1.5		57	53.5	50.5	47.5	43.5	39	34	28.5	25.8	19
									68.5	65	61.5	58	53.5	48	43	36.5	33.5	25

3 ~ 230 V 400 V			1 ~ 230 V P ₁			P ₂		Q										
A	A		A	kW	kW	HP	m³/h		0	2.25	3	3.5	4	4.5	5	6	7	8
MXH 402E	2.4	1.4	MXHM 402E	3	0.65	0.45	0.6	H m	0	37.5	50	58.3	66.6	75	83.3	100	116	133
MXH 403/A	2.8	1.6	MXHM 403/A	4.2	0.9	0.55	0.75		22.5	20	19	18.5	17.5	16	15	12.5	9.5	6
MXH 404/A	3.5	2	MXHM 404/A	5.4	1.2	0.75	1		33	30	29	27.5	26	24.5	23	19.5	15	9.5
MXH 405/B	4.7	2.7	MXHM 405	7.4	1.5	1.1	1.5		44.5	40.5	38	36.5	35	33	31	26	20	12.5
									56.5	52	50	47.5	45.5	43	40	33.5	26	16.5
MXH 406	6.2	3.6	MXHM 406	9.2	2	1.5	2		68.5	63	60	58	56	53.5	51	44	35	23

3 ~ 230 V 400 V			1 ~ 230 V P ₁			P ₂		Q													
A	A		A	kW	kW	HP	m³/h		0	5	6	7	8	9	10	11	12	13			
MXH 802/A	3.5	2	MXHM 802/A	5.4	1.2	0.75	1	H m	0	83.3	100	116	133	150	166	183	200	216			
MXH 803	5	2.9	MXHM 803	7.4	1.5	1.1	1.5		22.5	20.5	20	19	18	16.5	15	13	11	8.5			
MXH 804	6.2	3.6	MXHM 804	9.2	2	1.5	2		36	32	30.5	29	27.5	25.5	23	20	17	14			
MXH 805/A	7.5	4.3	MXHM 805	11.2	2.5	1.8	2.5		48	42.5	41	39	37	34.5	32	28	24	19.5			
									60	54	52	49.5	47	43.5	39.5	35	29.5	24			

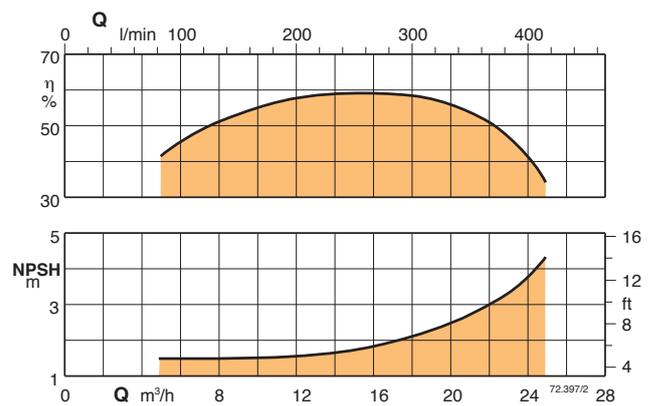
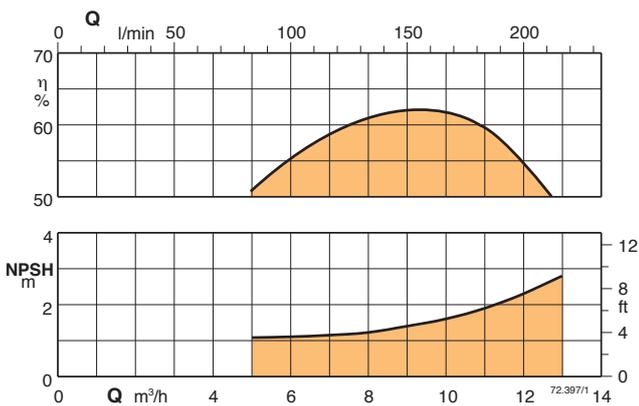
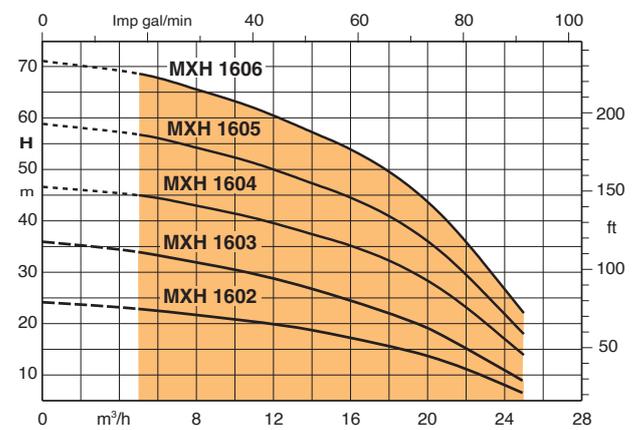
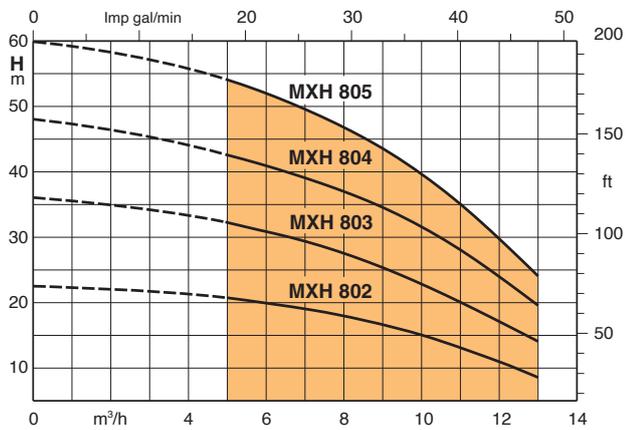
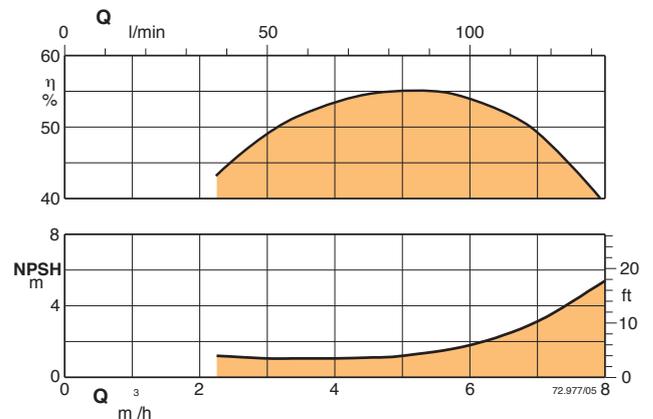
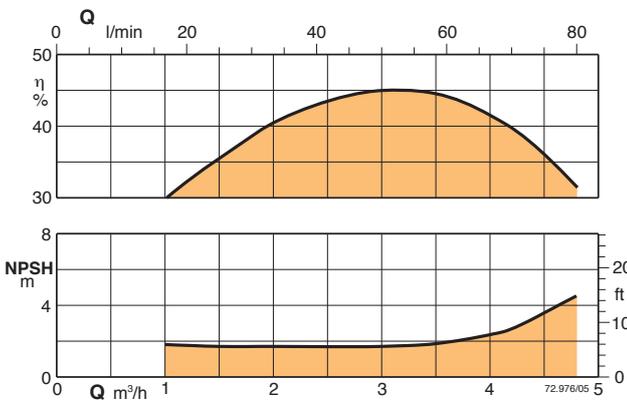
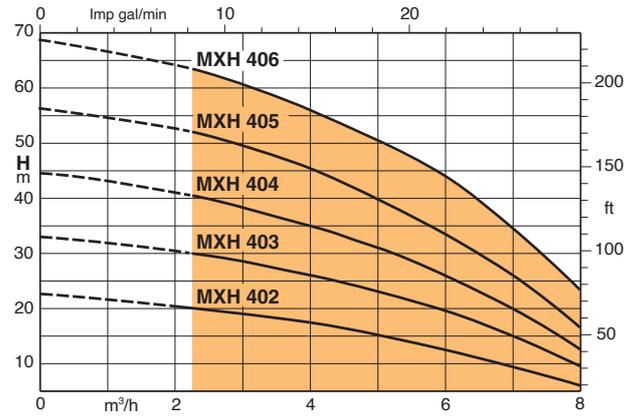
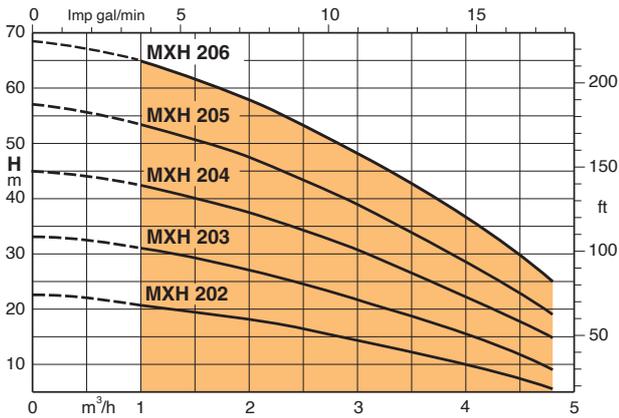
3 ~ 230 V 400 V			P ₂		Q										
A	A		kW	HP		m³/h	0	5	8	11	14	16	18	20	22
MXH 1602	6.2	3.6	1.5	2	H m	0	83.3	133	183	233	266	300	333	366	416
MXH 1603/A	7.5	4.3				24	23	21.7	20.5	18.8	17.5	15.8	14	11.5	6.5
MXH 1604/A	11.5	6.6				36	34	31.8	29.5	26.8	24.8	22.4	19.2	15.3	8.8
MXH 1605/A		9.6				48	46.5	44.5	41.5	38	36	33	29	23	14
MXH 1606/A		9.6				60	57.5	55	51.5	48	45	42	37.5	31.5	19
						71	68	65	61	56	53	49	44	36	22

P₁ Maximum absorbed power
P₂ Motor nominal power

H Total height in m.
Tolerances according to the standard UNE-EN ISO 9906:2012

Test results with clean, cold, still water.
For the NPSH value, a safety margin of 0.5 m is recommended

Curves





ACCESSORIES AND EXTRAS
analyzers

ANALYZERS INSTRUMENTS



Code	Description
15003001	DIT-L photometer (Cl / ClO ₂ / O ₃ / pH)
75003011	DPD1 reagent photometer 100 test
75003012	DPD3 reagent photometer 100 test
75003013	GLYCINE reagent photometer 100 test
75003014	PHENOL RED reagent photometer 100 test
15005000	Digital reader pH 0.1 - 14.0
15005001	Redox HI digital reader
15000010	Analyzer case Cl - pH (DPD)
15004000	Analyzer pH 4-10 drops 500 test
15008001	Test kit °F total hardness CaCO ₃
15012001	Peroxide fast test 0-25 mg/l
15002000	Biopure DPD Chlorine Dioxide Test Kit 0-5.0 ppm

Code	Description	Particle size	Container
90207125	Zeolite filter media	0.5 - 1 mm	20 / 1000 kg.
90207325	Zeolite filter media	2 - 5 mm	20 / 1000 kg.
90209025	Silex filter media	0.6 - 1 mm	25 / 1000 kg.
90209325	Silex filter media	2 - 4 mm	25 / 1000 kg.
90210025	Anthracite	0.8 - 2 mm	25 / 1000 kg.
90211025	Granular activated carbon 12 x 40	0.4 - 1.7 mm	25 / 1000 kg.

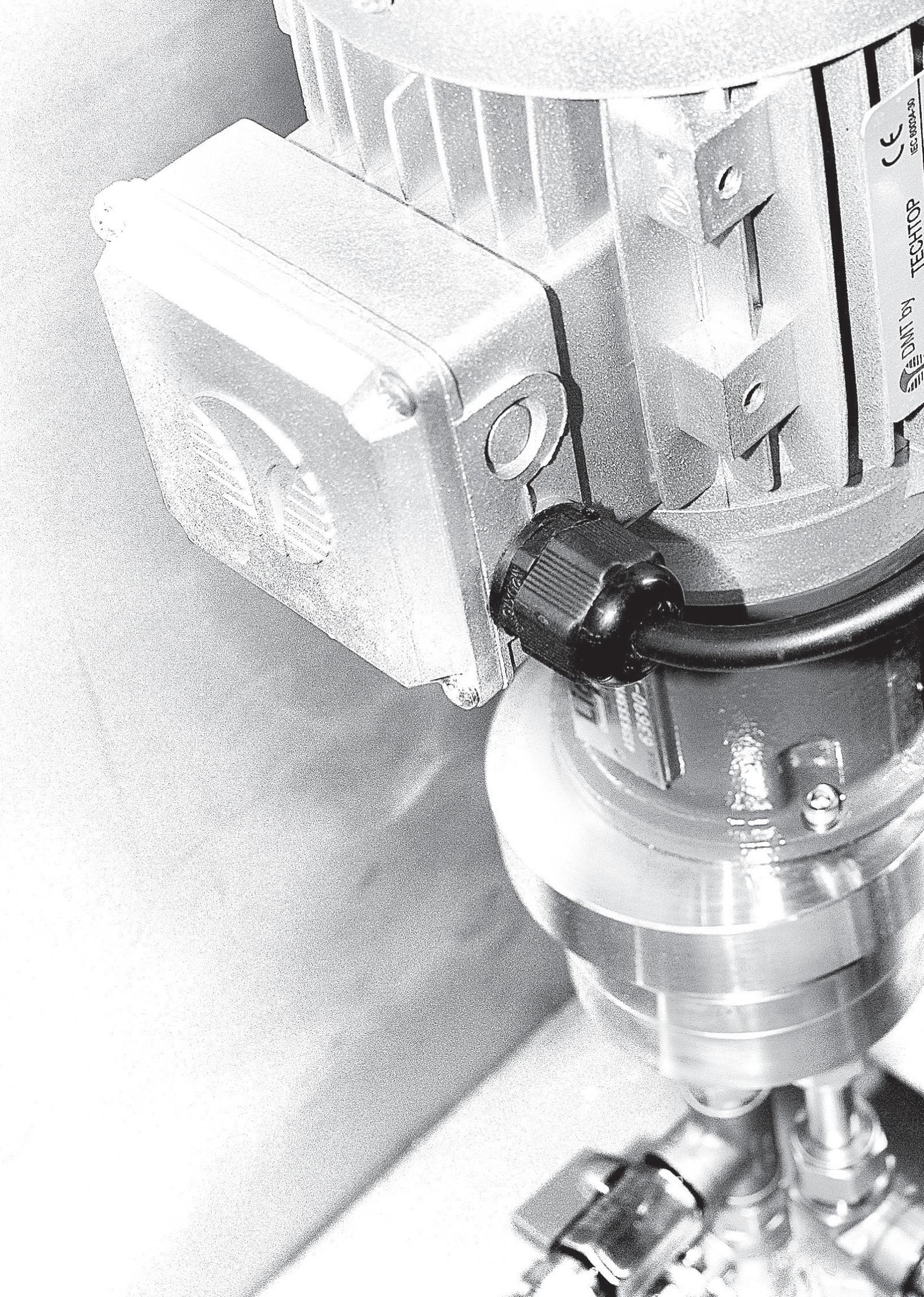
FILTER LOADS



Code	Description	Particle size	Container
90220025	Cationic resin	0.55 - 0.65 mm	25 l.
90225025	Anionic resin	0.57 - 0.67 mm	25 l.
90230025	Special resin nitrates	0.57 - 0.67 mm	25 l.
90400110	Ion exchange resins (mixed bed)	0,3 - 1,2 mm	25 l.
90240025	Pyrolusite for retention of manganese and iron	0.35 - 0.85 mm	25 kg.
90302125	Coarse granular salt	1.5 - 3.5 mm	25 / 1000 kg.
90304025	Salt pellets	10 - 25 mm	25 / 1000 kg.

REGENERANT ION EXCHANGE RESINS





CE
IEC 60335-2-30
DNT 04
TECTOR

TECTOR
63700



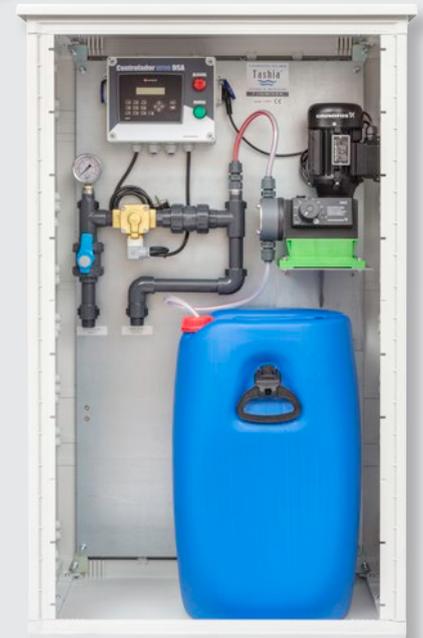
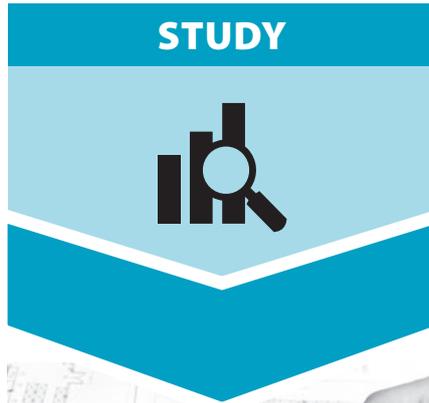
TAILOR-MADE SOLUTIONS

water treatment

TYPE	MATERIAL	SPECIFICATION	QTY	UNIT	DATE	REVISION
MS 10A	SS 304	MS 10A	1	PCB	1995	014
MS 10B	SS 304	MS 10B	1	PCB	1995	014
MS 10C	SS 304	MS 10C	1	PCB	1995	014
MS 10D	SS 304	MS 10D	1	PCB	1995	014
MS 10E	SS 304	MS 10E	1	PCB	1995	014
MS 10F	SS 304	MS 10F	1	PCB	1995	014
MS 10G	SS 304	MS 10G	1	PCB	1995	014
MS 10H	SS 304	MS 10H	1	PCB	1995	014
MS 10I	SS 304	MS 10I	1	PCB	1995	014
MS 10J	SS 304	MS 10J	1	PCB	1995	014
MS 10K	SS 304	MS 10K	1	PCB	1995	014
MS 10L	SS 304	MS 10L	1	PCB	1995	014
MS 10M	SS 304	MS 10M	1	PCB	1995	014
MS 10N	SS 304	MS 10N	1	PCB	1995	014
MS 10O	SS 304	MS 10O	1	PCB	1995	014
MS 10P	SS 304	MS 10P	1	PCB	1995	014
MS 10Q	SS 304	MS 10Q	1	PCB	1995	014
MS 10R	SS 304	MS 10R	1	PCB	1995	014
MS 10S	SS 304	MS 10S	1	PCB	1995	014
MS 10T	SS 304	MS 10T	1	PCB	1995	014
MS 10U	SS 304	MS 10U	1	PCB	1995	014
MS 10V	SS 304	MS 10V	1	PCB	1995	014
MS 10W	SS 304	MS 10W	1	PCB	1995	014
MS 10X	SS 304	MS 10X	1	PCB	1995	014
MS 10Y	SS 304	MS 10Y	1	PCB	1995	014
MS 10Z	SS 304	MS 10Z	1	PCB	1995	014

COMPREHENSIVE SOLUTION

Our engineering department studies and develops comprehensive equipment and systems both for dosing and water treatment, according to our clients' needs. We offer solutions for dosing, product application, spray systems, and process water treatment, etc. If required, we can carry out installations and maintenance, and develop and mass produce equipment.





GENERAL TERMS AND CONDITIONS OF SALE

The general conditions of sale apply to all orders, quotes, and sales in general. Any modification to these conditions must be accepted in writing by us. Both the prices and conditions of sale may be revised and/or modified by us at any time without prior notice.

The buyer recognizes and accepts the content of these general conditions of sale.

1. ORDERS

We recommend that you place your orders in writing, in accordance with the references and descriptions of the rate. All orders processed will be considered binding, and will be dispatched the day after receipt at the earliest.

2. PRICES

The prices stated are always "ex-works" and with the exception of special cases or products, packaging is included, any other costs being borne by the buyer. The prices are listed in euros and excluding VAT.

3. TRANSPORT

The goods in this catalog will always be shipped at the risk and expense of the buyer. Orders will be shipped through our subcontracted agencies. If the amount of the order (before tax) is lower than EUR 300, the shipping cost will be EUR 7.50; for orders between EUR 301 and EUR 1499, shipping costs will be EUR 12.50; and shipping costs will not apply for orders over EUR 1500 (valid in mainland Spain only). Freight costs will be added to the invoice. The client must check the goods upon receipt and report any anomalies to the shipping agent before accepting delivery, making a record of the issue on the delivery note. They must report the incident in writing to Tashia within 24 hours. Any modification to this section must be requested in writing and accepted by Tashia, SL.

4. INVOICE AND PAYMENT CONDITIONS

An invoice is issued for every order. If the order amount is lower than EUR 15, a billing cost of EUR 5 will apply. All invoices for amounts under EUR 30 must be paid in advance, in cash, or on delivery. The general payment conditions are agreed with each client and any modification must be reported in writing and accepted by our company. Delayed payment of an invoice or failure to pay an invoice will result in subsequent orders being charged in advance.

5. RETURNS

No returns will be accepted without prior notification by the client and acceptance by us. Accepted returns must be carried out with prepaid freight to our warehouses and be accompanied by a copy of the delivery note or purchase invoice. Returns will not be accepted for special materials or equipment not usually in stock, nor products or equipment that form part of special projects or designs.

6. RESERVATION OF TITLE

The company reserves ownership of the goods sold until full payment is made by the client.

7. GUARANTEES

Tashia guarantees its products from the delivery date of the products for a period of TWO YEARS (Act 23/2003 of July 10). Products of equipment that are not covered by said law will have a guarantee of ONE YEAR. The guarantee includes the repair or replacement of faulty parts at our workshops, including labor. The guarantee becomes void if the defects or breakages are the result of transport, handling or repairs carried out by unauthorized persons, installations carried out with illicit materials and procedures or conditions, or breakages caused by agents other than the equipment itself (knocks, fires, etc.).

The costs of returning and re-sending the goods under guarantee will be borne by the buyer.

8. JURISDICTION AND COMPETENCE

Any dispute between the parties will be submitted exclusively to the courts of Lleida, and the buyer renounces any other jurisdiction that may correspond to them.

WE RESERVE THE RIGHT TO FULLY OR PARTIALLY MODIFY THE CHARACTERISTICS OF OUR PRODUCTS AND THE CONTENT OF THIS DOCUMENT WITHOUT PRIOR NOTICE.



Tashia s.l.

Pol. Industrial El Pla
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Apdo. Correos n.º 40
25730 Artesa de Segre
(Lleida) · Spain



Tel. (34) 973 400 840



www.tashia.es