



# CATALOGUE OF DOSING SYSTEMS 2024



smarter and easier

## Company Presentation

IWODA is an idea that born to offer to its customers an experience of 20 years in the dosing system market.

***We are official distributor in Poland, Czech Republic and Slovakia of Bram an Italian company that manufactures dosing systems ([www.bram-group.com](http://www.bram-group.com)).***

We offer a wide range of water management solutions, from the smallest and simplest detergent dosing pump for dishwashing or washing machines to the water treatment systems for not only for drinking water disinfection, but also for the disinfection of process water and product water in industrial applications, cooling water and swimming pool water.

Our philosophy is to satisfy the customer by offering training, pre and post sales support, installation and start-up.

Iwoda can offer to its customers all those products:

- Dishwashing machines dosing systems.
- Laundry machines dosing systems.
- Dilution and cleaning systems.
- Swimming pool dosing systems.
- Control and measurement instruments.
- Solenoid and motor driven dosing pumps.

Why choose IWODA, because we guarantee:

- Very competitive price.
- Short delivery times.
- 24/7 technical support.

*For more information about our dosing systems, please contact us by phone (+48.501.435.002) or by email ([info@iwoda.com.pl](mailto:info@iwoda.com.pl)).*

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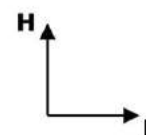
***Iwoda reserves the right to make changes without notice.***

***If you need something not shown in this catalogue, call or email us, and we'll search through all standard and custom products to find a suitable match.***

## Without regulation



Model		Dimensions (mm)
XP	panel mounting	93x70
XS	with short bracket	93x70. bracket 32 mm
XL	with long bracket	93x70. bracket 59 mm
SP	panel mounting	98x52
PP	panel mounting	125x84
BH	panel mounting	140x116



	RPM	V motor	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
1	8	240	0.37	3.5	SILICONE	3x8
2	20	240	0.9	3.5	SILICONE	3x8
3	8	240	1.3	0.1	SILICONE	6x10
4	20	240	3.2	0.1	SILICONE	6x10
5	8	240	1.3	0.1	SANTOPRENE	6x10
6	20	240	3.2	0.1	SANTOPRENE	6x10
6a	44	12	5.8	0.1	SILICONE	6x10
6b	44	12	5.8	0.1	SANTOPRENE	6x10
7	22	24	1	3.5	SILICONE	3x8
8	22	24	3.2	0.1	SILICONE	6x10
9	22	24	3.2	0.1	SANTOPRENE	6x10
10	45	24	5.8	0.1	SILICONE	6x10
11	45	24	5.8	0.1	SANTOPRENE	6x10
12	68	24	9.6	0.1	SANTOPRENE	6x10
13	68	24	9.6	0.1	SILICONE	6x10
14	95	24	14	0.1	SILICONE	6x10
15	95	24	14	0.1	SANTOPRENE	6x10
16	155	24	18	0.1	SANTOPRENE	6x10
17	155	24	18	0.1	SILICONE	6x10
18	100	24	50	0.1	SILICONE	8x14
19	100	24	50	0.1	SILICONE	8x14
20	250	24	150	0.1	NORPRENE	8x14
21	250	24	150	0.1	SANTOPRENE	8x14
22	250	24	150	0.1	SILICONE	8x14

### BALL BEARING

- 0** No
- B** Yes

### HYDRAULIC KIT

- K0** Without
- RP** With foot filter and polypropylen injection fitting
- RI** With foot filter and stainless steel injection fitting
- VP** With foot filter and PVC non return valve built-in the tube
- VI** With foot filter and stainless non return valve

### TUBE

- 1** Yes
- 0** No

### COLOUR

- R** Red (only SP and PP)
- B** Blue (only SP, PP and BH)
- N** Black (only XP, XS and XL)

**XL3 0 VI 1 N**

## Closed box series, without regulation

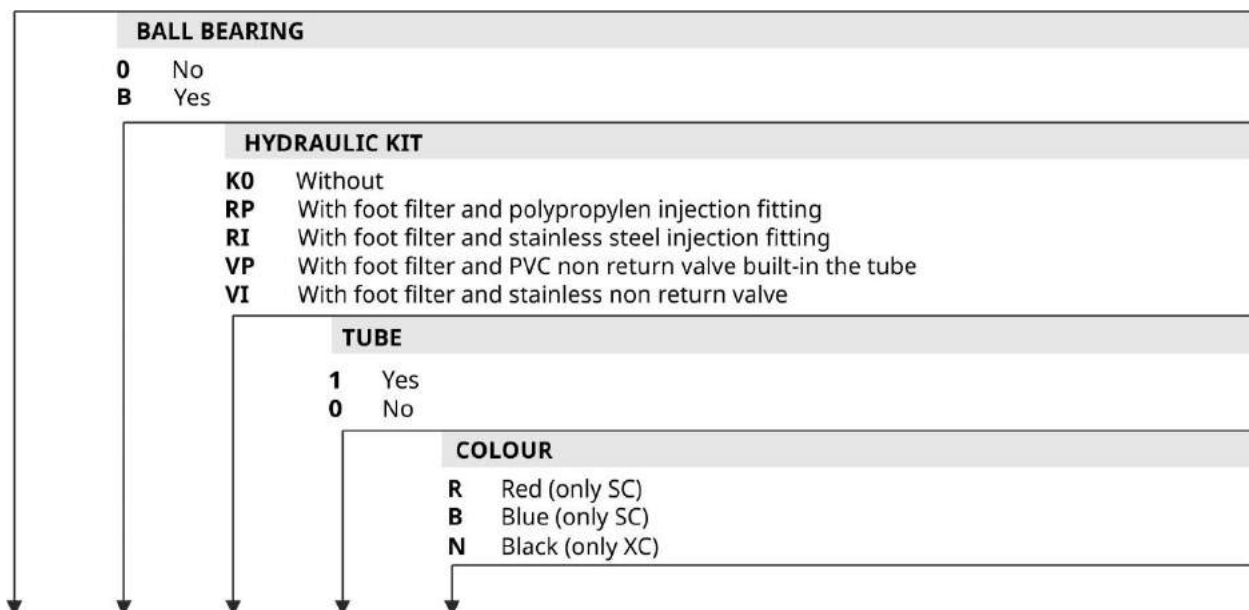


**XC**  
Peristaltic pump with fixed flow  
Power supply: 240 Vac.  
PP box.  
Cable 1.5 meters  
H x W x L: 93 x 70 x 70 mm



**SC**  
Peristaltic pump with fixed flow  
Power supply: 240 Vac.  
PP Box, IP 65.  
Cable 1.5 meters.  
H x W x L: 98 x 93 x 70 mm

Model	RPM	Power supply	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
XC1	10	240 Vac	0.42	3.5	Silicone	3x8
XC2	20	240 Vac	0.9	3.5	Silicone	3x8
XC3	10	240 Vac	1.3	0.1	Silicone	6x10
XC4	20	240 Vac	3.2	0.1	Silicone	6x10
XC5	10	240 Vac	1.3	0.1	Santoprene	6x10
XC6	20	240 Vac	3.2	0.1	Santoprene	6x10
SC1	8	240 Vac	0.42	3.5	Silicone	3x8
SC2	20	240 Vac	0.9	3.5	Silicone	3x8
SC3	10	240 Vac	1.3	0.1	Silicone	6x10
SC4	20	240 Vac	3.2	0.1	Silicone	6x10
SC5	10	240 Vac	1.3	0.1	Santoprene	6x10
SC6	20	240 Vac	3.2	0.1	Santoprene	6x10
SC7	22	24 Vdc	3.4	0.1	Santoprene	6x10
SC8	22	24 Vdc	1	3.5	Silicone	3x8
SC9	45	24 Vdc	6.5	0.1	Santoprene	6x10
SC10	45	24 Vdc	2	3.5	Silicone	3x8
SC11	68	24 Vdc	10	0.1	Santoprene	6x10
SC12	68	24 Vdc	10	3.5	Silicone	6x10
SC13	95	24 Vdc	14	0.1	Santoprene	7x13
SC14	95	24 Vdc	14	0.1	Silicone	6x12
SC15*Gw	155	24 Vdc	24	0.1	Silicone	8x14
SC16*Gw	155	24 Vdc	24	0.1	Santoprene	8x14



**SC1 0 VI 1 N**

## X series – ON/OFF time regulation

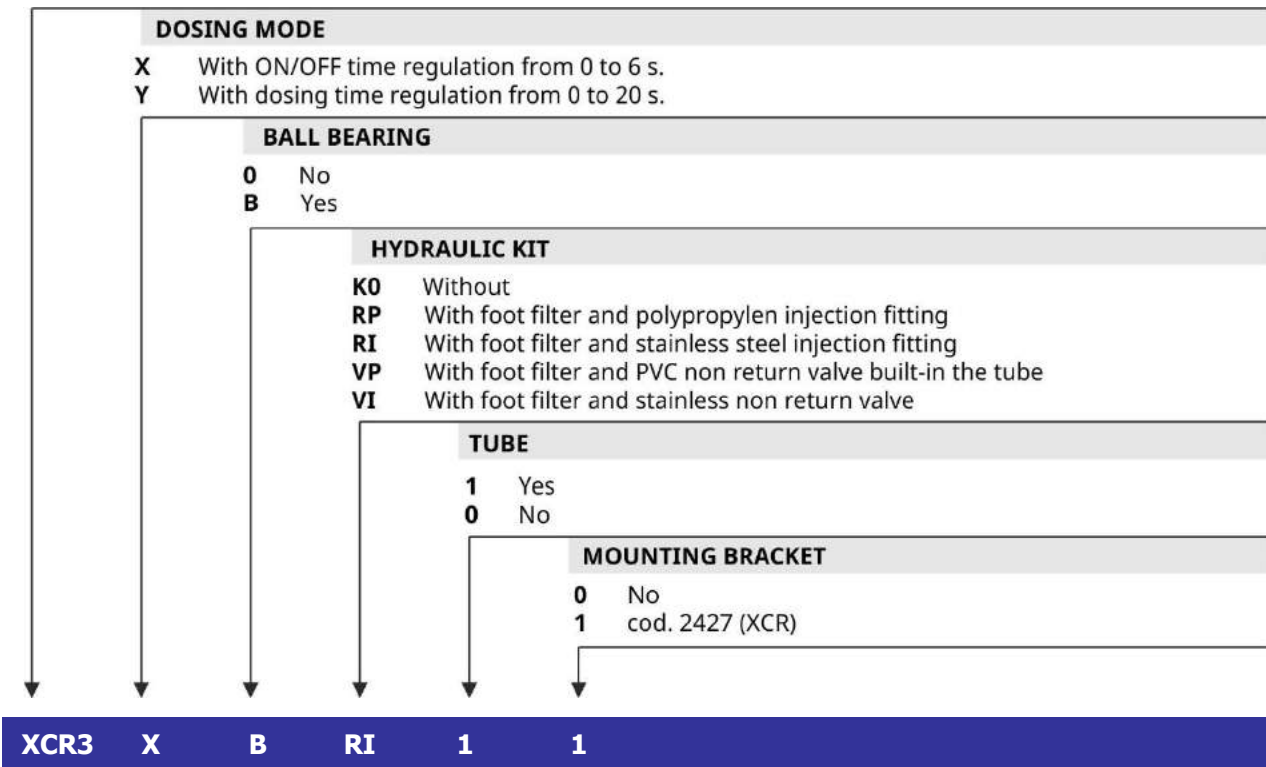


**XLR**  
Peristaltic pump with time regulation (ON/OFF)  
Open box for internal installation.  
Power supply: 240 Vac.  
PP box.



**XCR**  
Peristaltic pump time regulation (ON/OFF).  
Closed box.  
Power supply: 240 Vac.  
PP Box.  
Cable 1.5 m.

Model	RPM	Power supply	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
XLR1	8	240 Vac	0.37	3.5	Silicone	3x8
XLR2	20	240 Vac	0.9	3.5	Silicone	3x8
XLR3	8	240 Vac	1.3	0.1	Silicone	6x10
XLR4	20	240 Vac	3.2	0.1	Silicone	6x10
XLR5	8	240 Vac	1.3	0.1	Santoprene	6x10
XLR6	20	240 Vac	3.2	0.1	Santoprene	6x10
XCR1	20	240 Vac	0.9	3.5	Silicone	3x8
XCR2	20	240 Vac	3.2	0.1	Silicone	6x10
XCR3	20	240 Vac	0.9	0.1	Santoprene	3x7
XCR4	20	240 Vac	3.2	0.1	Santoprene	6x10





## SO series with regulation



### SOT

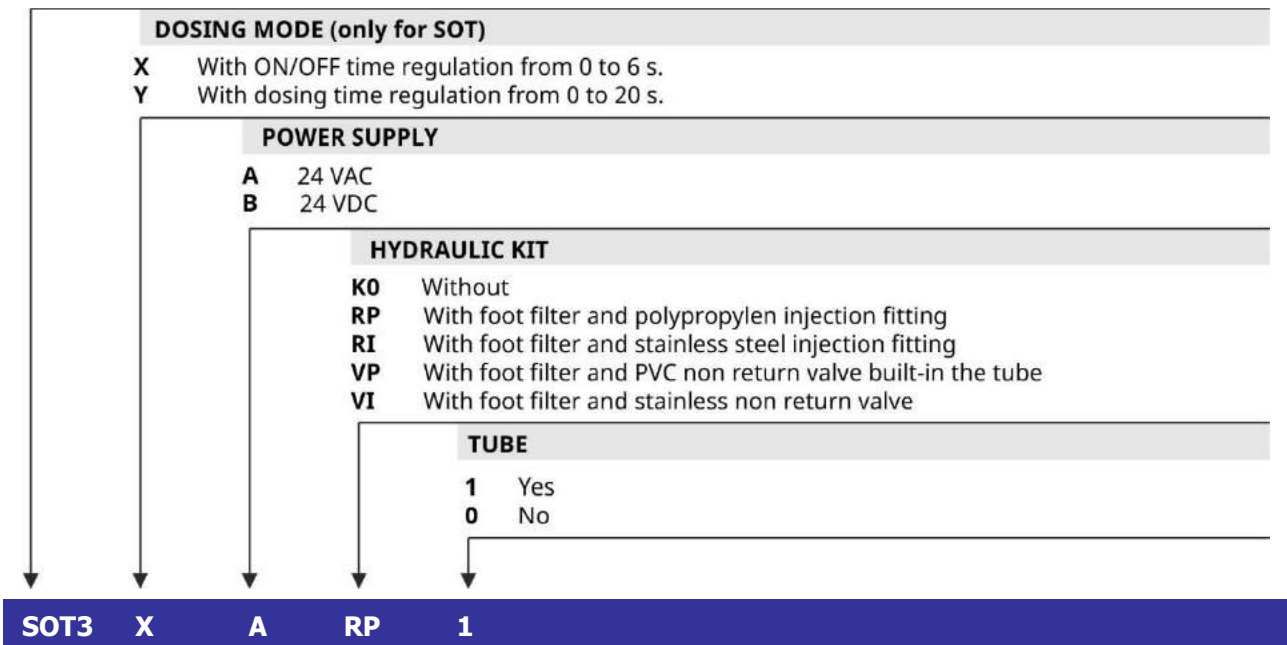
Peristaltic pump with time regulation (time on / time off) open box, fastons included. For internal installation. Power supply: 240 Vac. Polypropylene box.



### SOV

Peristaltic pump with speed regulation open box, fastons included. For internal installation. Power supply: 240 Vac. Polypropylene box. **Delivery 4 weeks**

Model	RPM	Power supply	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
SOT1	8	240 Vac	0.37	3.5	Silicone	3x8
SOT2	20	240 Vac	0.9	3.5	Silicone	3x8
SOT3	8	240 Vac	1.3	0.1	Silicone	6x10
SOT4	20	240 Vac	3.2	0.1	Silicone	6x10
SOT5	8	240 Vac	1.3	0.1	Santoprene	6x10
SOT6	20	240 Vac	3.2	0.1	Santoprene	6x10
SOV1	22	240 Vac	1	3.5	Silicone	3x8
SOV2	22	240 Vac	3.4	0.1	Silicone	6x10
SOV3	22	240 Vac	3.4	0.1	Santoprene	6x10
SOV4	45	240 Vac	6.5	0.1	Silicone	6x10
SOV5	45	240 Vac	6.5	0.1	Santoprene	6x10
SOV6	68	240 Vac	10	0.1	Silicone	6x10
SOV7	68	240 Vac	10	0.1	Santoprene	6x10
SOV8	95	240 Vac	14	0.1	Silicone	6x10
SOV9	95	240 Vac	14	0.1	Santoprene	6x10
SOV10	155	240 Vac	20	0.1	Silicone	6x10
SOV11	155	240 Vac	20	0.1	Santoprene	6x10





## SC series with regulation



Analogue peristaltic pump with speed or time regulation.  
 Power supply: 240 Vac (24 Vac on request only for the SCV model)  
 Polypropylene box  
 IP 65  
 Insulation class 2  
 H x W x L: 98 x 93 x 70 mm

Model	RPM	Power supply	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
SCT1	8	240 Vac	0.37	3.5	Silicone	3x8
SCT2	20	240 Vac	0.9	3.5	Silicone	3x8
SCT3	8	240 Vac	1.3	0.1	Silicone	6x10
SCT4	20	240 Vac	3.2	0.1	Silicone	6x10
SCT5	8	240 Vac	1.3	0.1	Santoprene	6x10
SCT6	20	240 Vac	3.2	0.1	Santoprene	6x10
SCV1	22	240 Vac	1	3.5	Silicone	3x8
SCV2	22	240 Vac	3.4	0.1	Silicone	6x10
SCV3	45	240 Vac	2	3.5	Silicone	3x8
SCV4	22	240 Vac	3.4	0.1	Santoprene	6x10
SCV5	45	240 Vac	6.5	0.1	Silicone	6x10
SCV6	45	240 Vac	6.5	0.1	Santoprene	6x10
SCV7	68	240 Vac	10	0.1	Silicone	6x10
SCV8	68	240 Vac	10	0.1	Santoprene	6x10
SCV9	95	240 Vac	14 L/h	0.1	Silicone	6x10
SCV10	95	240 Vac	14 L/h	0.1	Santoprene	6x10
SCV11	155	240 Vac	20	0.1	Silicone	6x10
SCV12	155	240 Vac	20	0.1	Santoprene	6x10

### DOSING MODE (only for SCT)

- X With ON/OFF time regulation from 0 to 6 s.
- Y With dosing time regulation from 0 to 20 s.

### POWER SUPPLY

- A 240 VAC
- B 24 VAC/VDC (only for SCV)

### SWITCH ON/OFF

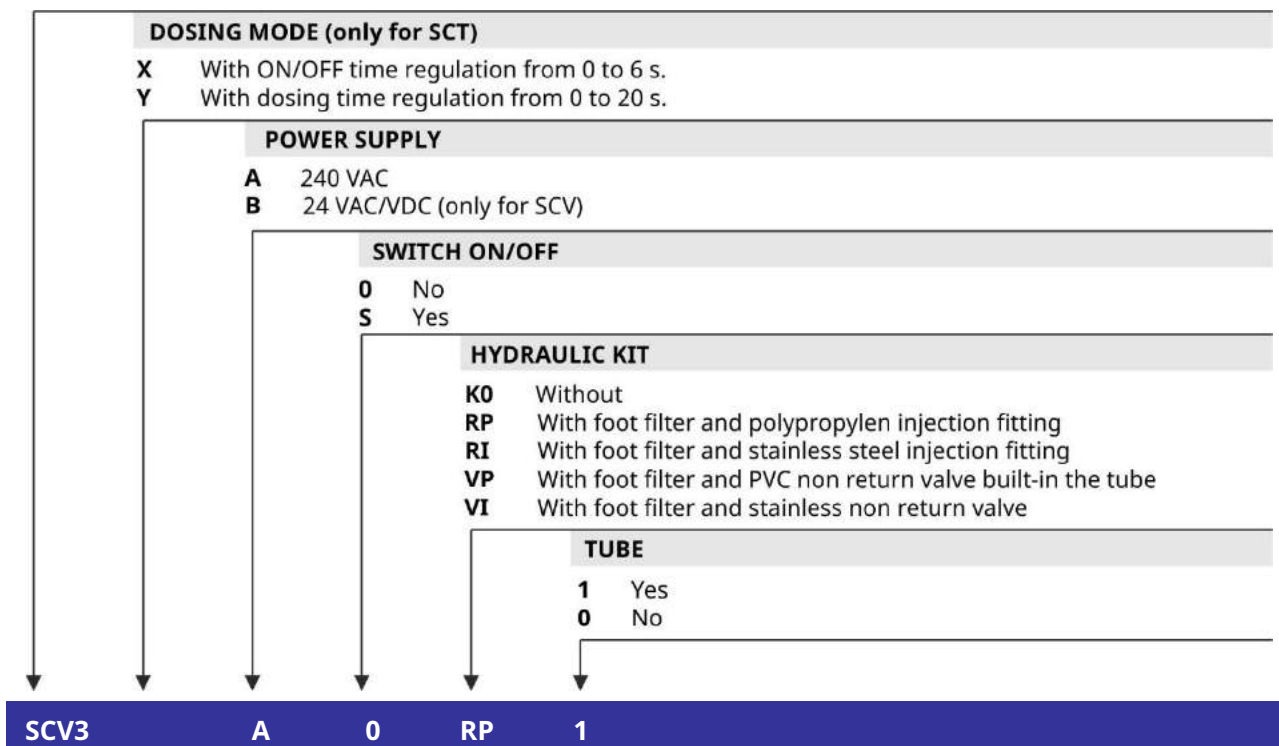
- 0 No
- S Yes

### HYDRAULIC KIT

- K0 Without
- RP With foot filter and polypropylen injection fitting
- RI With foot filter and stainless steel injection fitting
- VP With foot filter and PVC non return valve built-in the tube
- VI With foot filter and stainless non return valve

### TUBE

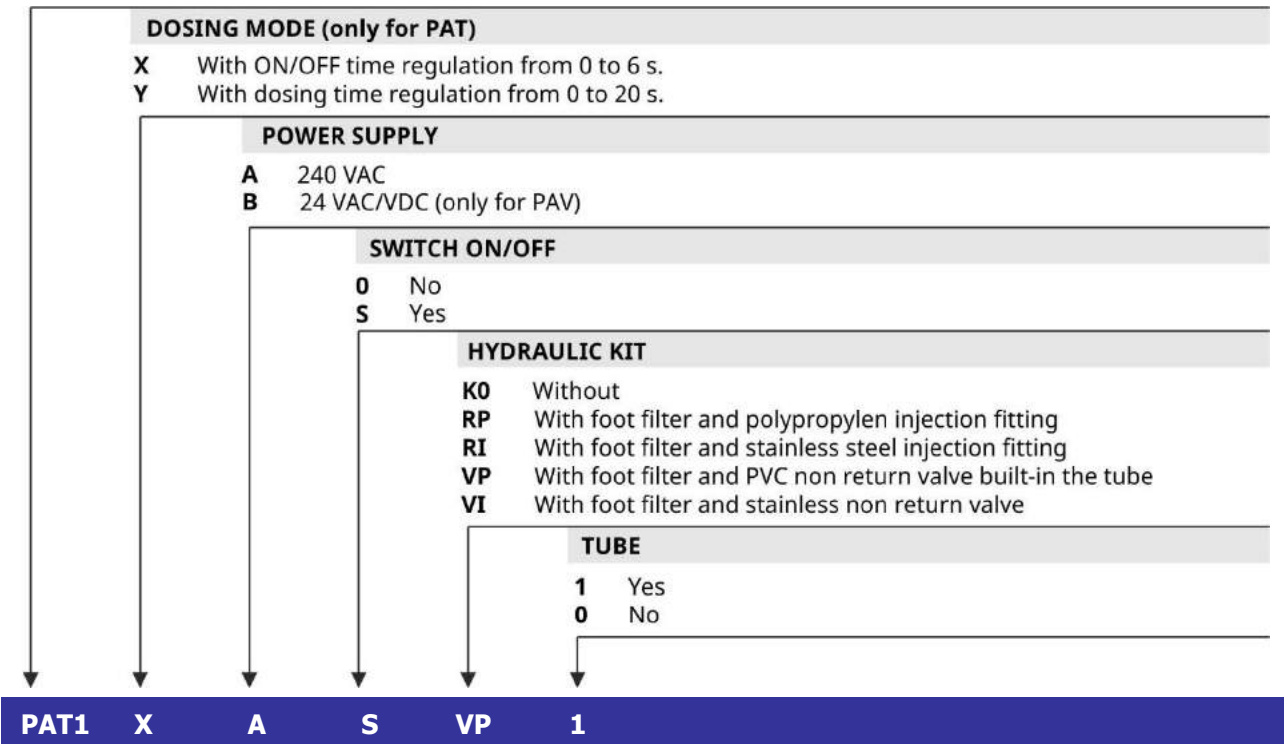
- 1 Yes
- 0 No



## PAT – PAV series with regulation

	<p><b>PAT</b> Analogue peristaltic pump with time regulation (time on / time off), via trimmer. IP 65 Insulation class 2</p>		<p><b>PAV</b> Analogue peristaltic pump with speed regulation, via trimmer. IP 65 Insulation class 2</p>
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Model	RPM	Power supply	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
<b>PAT1</b>	8	240 Vac	0.37	3.5	Silicone	3x8
<b>PAT2</b>	20	240 Vac	0.9	3.5	Silicone	3x8
<b>PAT3</b>	8	240 Vac	1.3	0.1	Silicone	6x10
<b>PAT4</b>	20	240 Vac	3.2	0.1	Silicone	6x10
<b>PAT5</b>	8	240 Vac	1.3	0.1	Santoprene	6x10
<b>PAT6</b>	20	240 Vac	3.2	0.1	Santoprene	6x10
<b>PAV1</b>	22	240 Vac	1	3.5	Silicone	3x8
<b>PAV2</b>	22	240 Vac	3.4	0.1	Silicone	6x10
<b>PAV3</b>	22	240 Vac	3.4	0.1	Santoprene	6x10
<b>PAV4</b>	45	240 Vac	1.9	3.5	Silicone	3x8
<b>PAV5</b>	45	240 Vac	6.5	0.1	Silicone	6x10
<b>PAV6</b>	45	240 Vac	6.5	0.1	Santoprene	6x10
<b>PAV7</b>	68	240 Vac	10	0.1	Silicone	6x10
<b>PAV8</b>	68	240 Vac	10 L/h	0.1	Santoprene	6x10
<b>PAV9</b>	95	240 Vac	15 L/h	0.1	Silicone	6x10
<b>PAV10</b>	95	240 Vac	15 L/h	0.1	Santoprene	6x10
<b>PAV11</b>	155	240 Vac	22 L/h	0.1	Silicone	6x10
<b>PAV12</b>	155	240 Vac	22 L/h	0.1	Santoprene	6x10

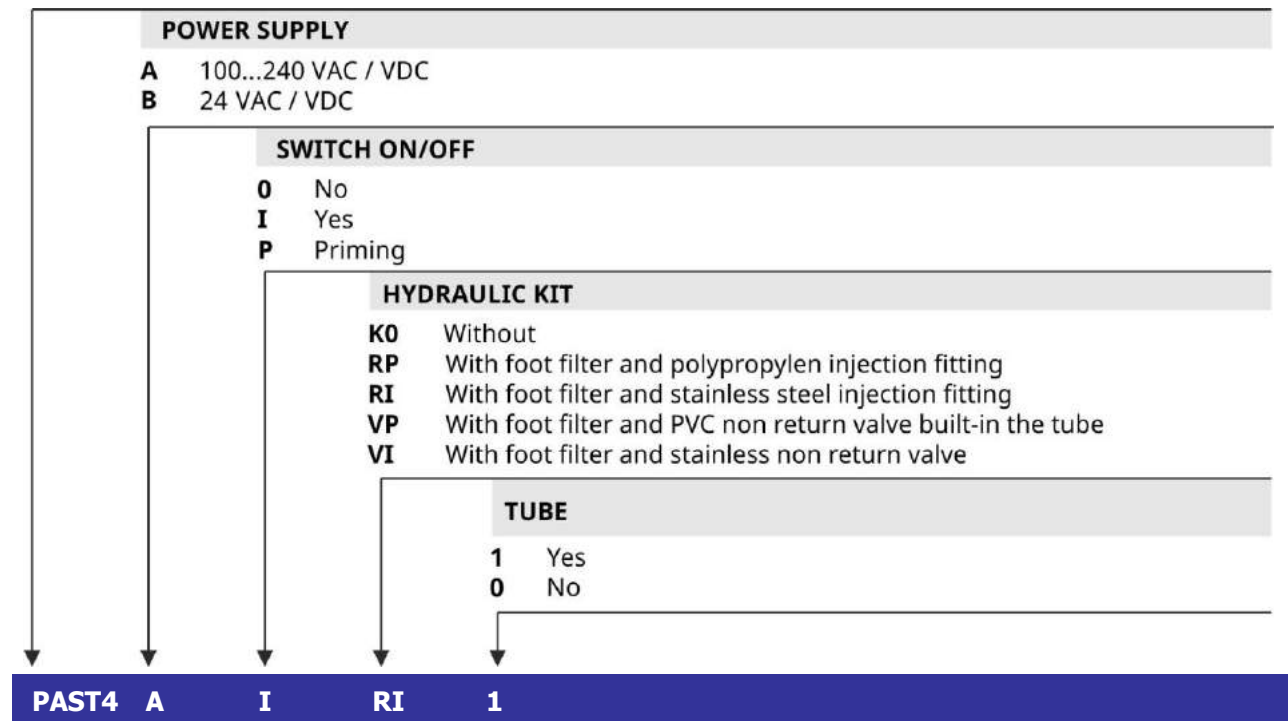


## PA-ST series



Analogue peristaltic pump with time and speed regulation, relay mode.  
 IP 65  
 Insulation class 2  
 Ball bearing installed as standard

Model	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
PAST1	1	3.5	Silicone	3x8
PAST2	3.5	0.1	Santoprene	6x10
PAST3	2	3.5	Silicone	3x8
PAST4	6.5	0.1	Santoprene	6x10
PAST5	10	0.1	Santoprene	6x10



## PA-CR series



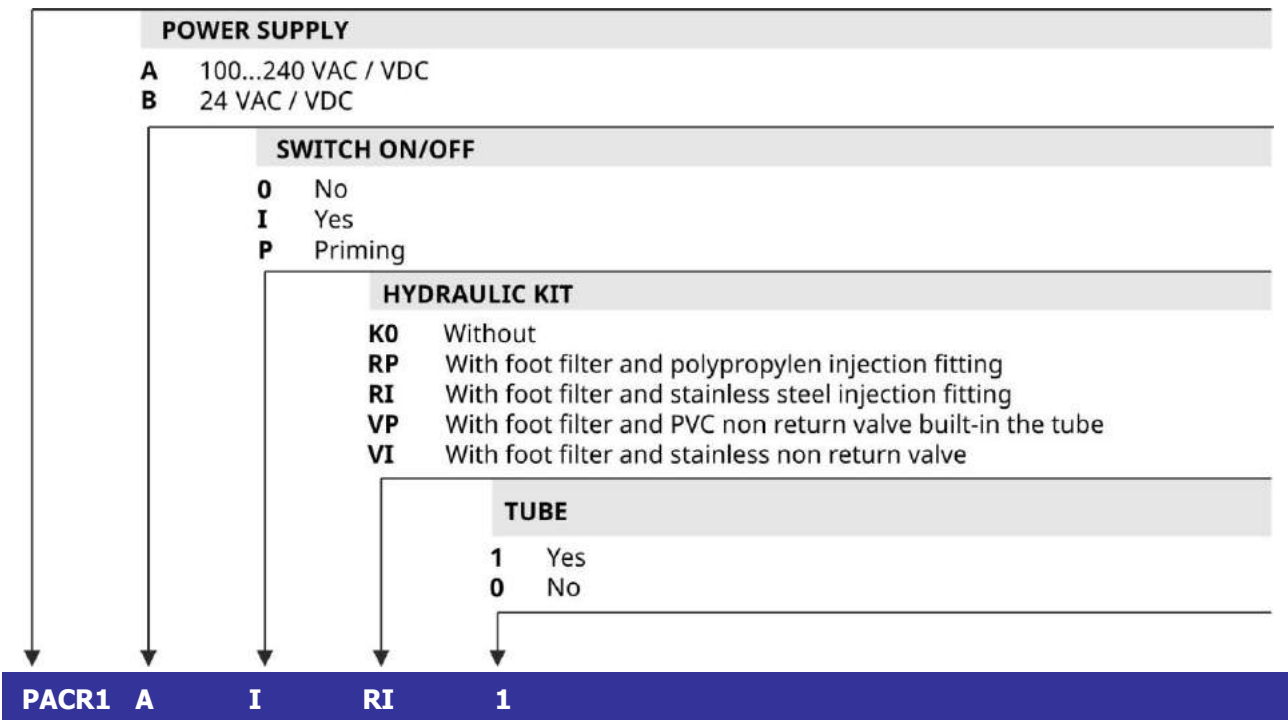
Analogue peristaltic pump with regulation via trimmer it recognizes the first charge from the top-up.

IP 65

Insulation class 2

Ball bearing installed as standard

Model	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
PACR1	1	3.5	Silicone	3x8
PACR2	3.5	0.1	Santoprene	6x10
PACR3	2	3.5	Silicone	3x8
PACR4	6.5	0.1	Santoprene	6x10
PACR5	10	0.1	Santoprene	6x10



## PA-K series



Analogue peristaltic pump with ON/OFF time regulations, relays and fixed time.

IP 65

Insulation class 2

Ball bearing installed as standard

Model	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
PAK1	1	3.5	Silicone	3x8
PAK2	3.5	0.1	Santoprene	6x10
PAK3	2	3.5	Silicone	3x8
PAK4	6.5	0.1	Santoprene	6x10
PAK5	10	0.1	Santoprene	6x10

### POWER SUPPLY

**A** 100...240 VAC / VDC

**B** 24 VAC / VDC

### SWITCH ON/OFF

**0** No

**I** Yes

**P** Priming

### HYDRAULIC KIT

**K0** Without

**RP** With foot filter and polypropylen injection fitting

**RI** With foot filter and stainless steel injection fitting

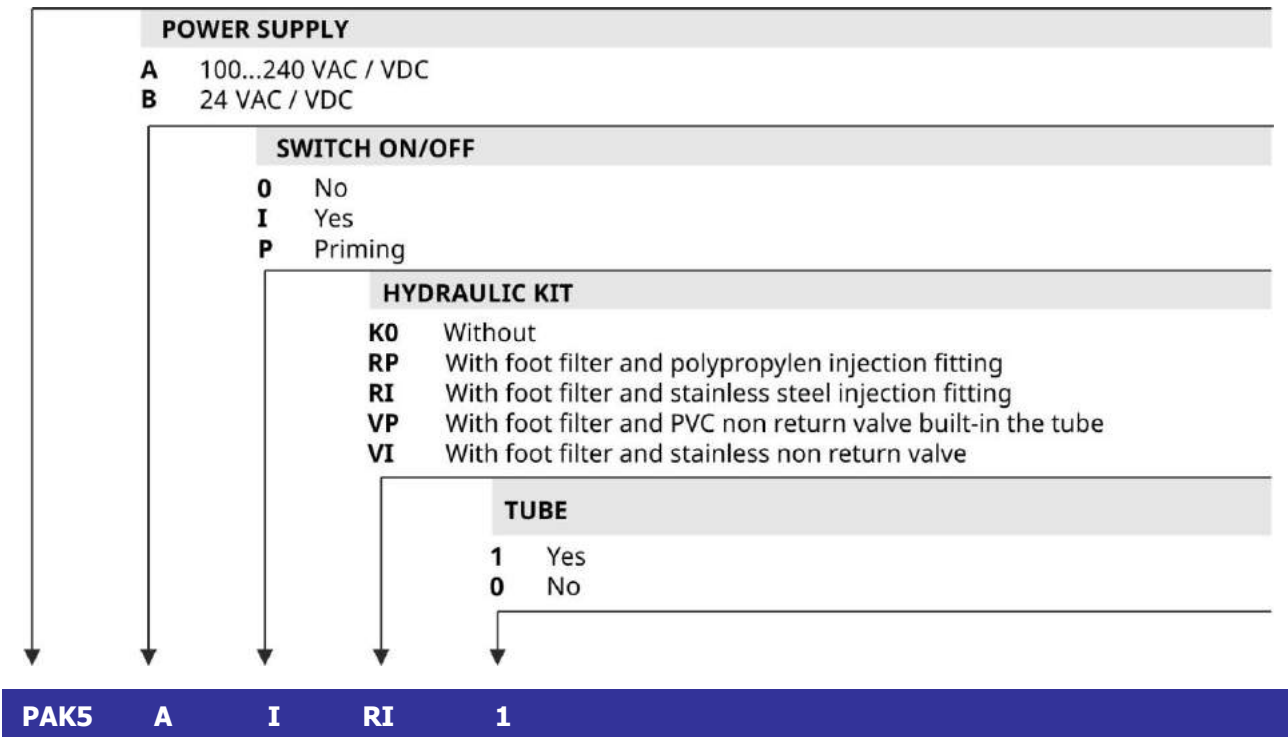
**VP** With foot filter and PVC non return valve built-in the tube

**VI** With foot filter and stainless non return valve

### TUBE

**1** Yes

**0** No



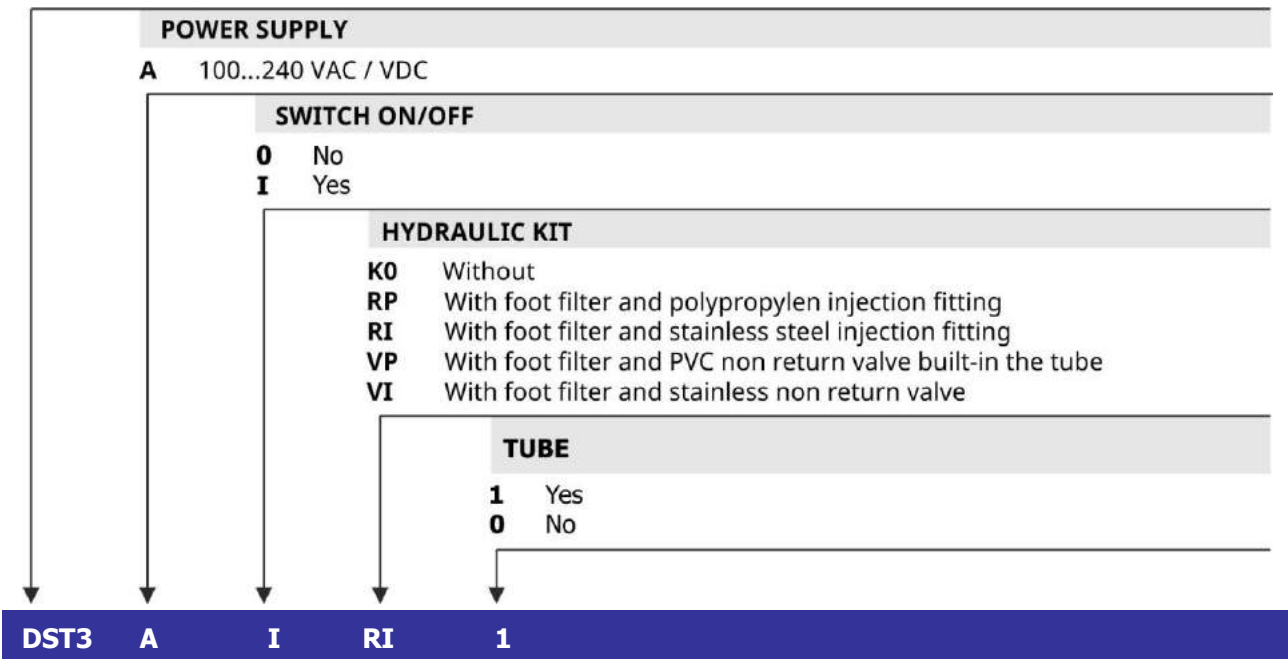
**PAK5 A I RI 1**

## DST – Digital with speed and time regulation



Digital peristaltic pump with speed and time regulation  
 Power supply: 240 Vac  
 PP box  
 IP65  
 Insulation class 2  
 H x W x D: 123 x 86 x 86 mm

Model	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
DST1	0.6	3.5	Silicone	2x6
DST2	1.5	3.5	Santoprene	2x6
DST3	2	3.5	Santoprene	3x8
DST4	6.5	0.1	Silicone	6x10
DST5	10	0.1	Santoprene	6x10
DST6	14	0.1	Santoprene	6x10
DST7	24	0.1	Santoprene	8x14



## DCD – Digital with conductivity regulation (electrode's probe)



Peristaltic pump controlled by conductivity with electrode's probe  
 Range 240...20.000  $\mu$ S (20 mS)  
 Over feed alarm, settable from 0 to 999 seconds.  
 Pump stops if the probe is dry  
 Automatic priming  
 IP65  
 Insulation class 2  
 H x W x D: 123 x 86 x 86 mm

Model	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
DCD1	6.5	0,1	Santoprene	6x10
DCD2	10	0,1	Santoprene	6x10
DCD3	14	0,1	Santoprene	7x13

## DCD – High flow rate



Peristaltic pump controlled by conductivity with electrode's probe  
 Range 240...20.000  $\mu$ S (20 mS)  
 Over feed alarm, settable from 0 to 999 seconds.  
 Pump stops if the probe is dry  
 Automatic priming  
 IP65  
 Insulation class 2

Model	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
DCD20	20	0,1	Santoprene	8x12
DCD40	40	0,1	Santoprene	8x12
DCD100	100	0,1	Santoprene	8x12

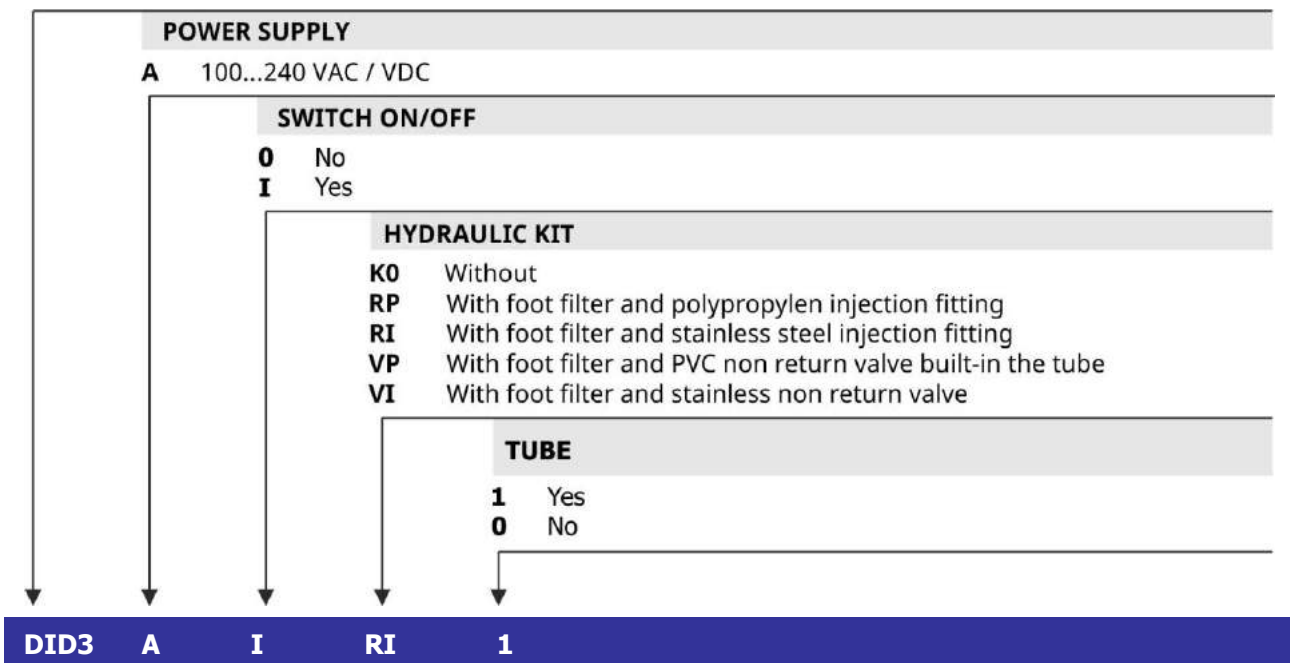


## DID – Digital with conductivity regulation (inductive's probe)



Peristaltic pump controlled by conductivity with inductive probe  
 Range 100...30.000  $\mu\text{S}$  (30 mS)  
 Over feed alarm, settable from 0 to 999 seconds.  
 Pump stops if the probe is dry  
 Automatic priming  
 IP65  
 Insulation class 2  
 H x W x D: 123 x 86 x 86 mm

Model	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
DID1	6.5	0,1	Santoprene	6x10
DID2	10	0,1	Santoprene	6x10
DID3	14	0,1	Santoprene	7x13



## Solenoid metering dosing pumps



**CSS:** constant flow, compact design – flow regulation by graduated potentiometer.  
 Polypropylene box  
 Power supply: 240 Vac  
 Pump head in PVDF (other realizations available upon request)  
 IP65.  
 Optional: low level probe for chemical tank available for all the models

Code	Flow rate (L/h)	Pressure max. (Bar)	Use with
CSS0505D	5	5	Detergent
CSS0505B	5	5	Rinse-aid

## Dosing systems with integrated timer



Enzymes and bacterial dosing system in waste water and similar applications, equipped with a LCD display 16x2.  
 Power supply: 240 Vac (battery on request).  
 Flow rate: 6.5 L/h (fixed)

Model	Description
DTIMER3	Weekly or daily programming – 240 Vac
DTIMER4	Weekly or daily programming – 12 vdc version (batteries not included)

## Hydraulic dispenser



Hydraulic dispenser managed by the solenoid valve with regulation 0 to 3 cm<sup>3</sup>/cycle.



Hydraulic dispenser managed by the solenoid valve with regulation 0 to 3 cm<sup>3</sup>/cycle.  
 Model with connection for the washing pump

Code	Description
DIBEV	Hydraulic dispenser driven by the water pressure and solenoid valve
DIBEVP-3	Hydraulic dispenser driven by the water pressure, solenoid valve and water

## DUO – Integrated dosing system



Integrated system to dose detergent and rinse-aid dosing in dishwashing machines, with analogue (DEC and DCR) or digital (DST/DST and DCD/DST) regulations. With two separated electronic circuits which allow controlling detergent and rinse-aid dosing. Plastic box and class 2 electrical insulation.

<b>DEC:</b>	Dosing mode:	Speed regulation for detergent and time for rinse-aid
	Regulation:	With trimmer for both pumps; 30 seconds max time for rinse-aid
	Inputs:	2 cables
<b>DCR:</b>	Dosing mode	Speed regulation for detergent and time for rinse-aid.
	Regulations:	With trimmer for both pumps; 30 seconds max time for rinse-aid Recognizes the first charge from the top up (30 s.).
	Inputs:	1 cable
<b>DST/DST</b>	Dosing mode:	Speed and time regulations for detergent and for rinse-aid
	Regulations:	Digital for both pumps
	Inputs:	1 cable
<b>DCD/DST</b>	Dosing mode:	Conductivity regulation for detergent and speed and time regulations for rinse-aid
	Regulations:	Digital for both pumps
	Inputs:	1 cable

**Installation Kit:** 4x6 PVC suction tube (2 m.), 4x6 PE delivery tube, 4x6 mm PVC tube (4 m.), foot filter (2 pcs), PP injection fitting (1 pc), SS non return valve (1 pc), double fast-on connectors, fixing bracket with crews and supports. Conductivity probe (only for model DCD) and switches.

**Dimensions (mm):** 120 x 81 x 50

Model	DETERGENT			RINSE-AID		
	Flow rate (L/h)	Pressure max. (Bar)	Tube	Flow rate (L/h)	Pressure max. (Bar)	Tube
<b>DEC4</b>	3,5	0,1	Santoprene	1	3,5	Silicone
<b>DEC5</b>	6,5	0,1	Santoprene	2	3,5	Silicone
<b>DEC10</b>	10	0,1	Santoprene	2	3,5	Silicone
<b>DCR4</b>	3,5	0,1	Santoprene	1	3,5	Silicone
<b>DCR5</b>	6,5	0,1	Santoprene	2	3,5	Silicone
<b>DCR10</b>	10	0,1	Santoprene	2	3,5	Silicone
<b>DCR14</b>	14	0,1	Santoprene	2	3,5	Silicone
<b>DST/DST4</b>	3,5	0,1	Santoprene	1	3,5	Silicone
<b>DST/DST10</b>	10	0,1	Santoprene	2	3,5	Silicone
<b>DCD/DST4</b>	3,5	0,1	Santoprene	1	3,5	Silicone
<b>DCD/DST10</b>	10	0,1	Santoprene	2	3,5	Silicone

## CONCORDE



Last generation evolves dosing system for dishwashing applications. Standard version with 2 pumps, extra third pump available as optional. Each pump can be managed in speed, time and conductivity, depending on the model. Programming features: delay settings, dosage and signal inhibition setting, Over Feed Alarm, direct dosage setting in Gr/Lt, automatic compensation for tube wear, possibility to preset up to three different washing programs, statistics and password. Special optional: console for remote selection of the washing programs

### Available Models

<b>Concorde ST:</b>	Regulation:	Time and speed for each single pump
	Variations:	Available with 2 or 3 pumps; for machine with 1 or 2 solenoids
	Dimensions:	2 pumps 200 x 200 x 130 mm / 3 pumps 240 x 190 x 145 mm
<b>Concorde CD-ST:</b>	Regulation:	Time, speed and conductivity for each single pump
	Variations:	See below on the chart
	Dimensions:	2 pumps 200 x 200 x 130 mm / 3 pumps 240 x 190 x 145 mm
<b>OPTIONAL:</b>	Description:	Console for remote selection of washing programs (5 m.)
	Availability:	For both models of Concorde
	Dimensions:	40 x 85 x 140 mm
<b>Installation Kit:</b> (common for all models)		4x6 mm PVC suction tube (2 m.) – for rinse-aid 4x6 mm PE delivery tube (2 m.) – for rinse-id 4x6 mm PVC tube (4 m.) – for detergent Foot filter (2 pcs) Stainless steel injection fitting (1 pc) – for detergent Stainless steel non return valve – for rinse-aid Double faston connectors (4 pcs) Fixing bracket with screws and supports Conductivity probe (only for model CD-ST)

Model	N° Pumps	Detergent (L/h)	Tube	Rinse-aid (L/h)	Tube	Pressure
ST2	2	5	Santoprene	0.6	Silicone	3.5 bar
ST2	2	8.5	Santoprene	1.5	Silicone	3.5 bar
ST2	2	16	Santoprene	1.5	Silicone	3.5 bar
CD-ST2	2	5	Santoprene	0.6	Silicone	3.5 bar
CD-ST2	2	8.5	Santoprene	1.5	Silicone	3.5 bar
CD-ST2	2	16	Santoprene	1.5	Silicone	3.5 bar

Model	Description
P3	Extra pump for sanitizer dosing; 5 L/h with polypropylene injection fitting

Code	Description
9026	Console for remote selection of washing programs (5 meters of cable)

## SOLID – Dosing systems for solid and powder detergents



**SOLID**

- DCDS:** Dosing system for solid detergent with conductivity regulation.
- DCDSP:** Dosing system for powder detergent with conductivity regulation.
- DCDSVT:** Dosing system for powder detergent with conductivity regulation and for the rinse-aid with time and speed regulations.
- DCDSI:** Dosing system for solid detergent with inductive conductivity regulation.
- DCDSPi:** Dosing system for powder detergent with inductive conductivity regulation.
- DCDSVTi:** Dosing system for powder detergent with inductive conductivity regulation and for the rinse-aid with time and speed regulations.
- CPLUSS:** Dosing system for solid detergent with conductivity regulation and for the rinse-aid with time and speed regulations.
- CPLUSP:** Dosing system for powder detergent with conductivity regulation and for the rinse-aid with time and speed regulations.

Model	Detergent	Rinse-aid (L/h)	Tube
DCDS	Cond	X	X
DCDSP	Cond	X	X
DCDSVT	Cond	2	Silicone
DCDSVP	Cond	2	Silicone
DCDSI	Ind	2	Silicone
DCDSPi	Ind	X	X
DCDSVTi	Ind	X	X
DCDSVPI	Ind	2	Silicone
CDPLUSS	Cond	2	Silicone
CPLUSP	Cond	2	Silicone

## SPARE PARTS



Code	Description
1021	Stainless steel adapter for rinse aid valve G.F. ¼" – G.F. 1/8"
2408	90° bracket for SP pumps
SEM8058	90° PP Detergent inlet connector
SEM8057	90° SS Detergent inlet connector for SOLID – PCD EV 16*1/2"
1009	Ball Bearing
SEM8023	Bracket for P and PA pumps
5010	Cap for tank-suction lance connection
SEM8061	Conductivity probe
SEM8050	Double bracket, assembled on stainless steel plate
2427	XCR bracket
2060	Foot filter complete with weight
SEM8007C	Foot filter complete with ceramic weight
PCDEV	For SOLID – PCD EV 16x1/2"
FACINOX	Stainless steel clamp
YW5-203	Lamp with cables for PCDEV
SEM8090	Low level probe with bracket
SEM8022	Low level probe with lance 50 cm
3016	Motor 240V 20 RPM
3017	Motor 240V 8 RPM
3003	Motor 24Vdc 126 RPM
3015	Motor 24Vdc 144 RPM
3012	Motor 24Vdc 160 RPM
3005	Motor 24Vdc 22 RPM
3002	Motor 24Vdc 45 RPM
3020	Motor 24Vdc 68 RPM
3004	Motor 24Vdc 95 RPM
2010	Nut
SEM8052	PCDEV installation kit
7021SR	Peristaltic tube Santoprene 2x8 no fittings
SEM8077	Peristaltic tube Santoprene 2x8 with fittings 4*6



Code	Description
<b>SEM8077G</b>	Peristaltic tube Santoprene 2x8 with fittings 4*6 and nut
<b>7014SR</b>	Peristaltic tube Santoprene 6x10 no fittings compatible
<b>SEM8005</b>	Peristaltic tube Santoprene 6x10 with fittings 4*6
<b>SEM8005G</b>	Peristaltic tube Santoprene 6x10 with fittings 4*6 and nut
<b>SEM8065</b>	Peristaltic tube Santoprene 6x10 with fittings GP compatible
<b>7030</b>	Peristaltic tube BE 6x10 no fittings
<b>SEM8059</b>	Peristaltic tube BE 6x10 with fittings 4*6
<b>SEM9059G</b>	Peristaltic tube BE 6x10 with fittings 4*6 and nut
<b>7031</b>	Peristaltic tube BF 6x10 no fittings
<b>SEM9060</b>	Peristaltic tube BF 6x10 with fittings 4*6
<b>SEM9060G</b>	Peristaltic tube BF 6x10 with fittings 4*6 and nut
<b>7032</b>	Peristaltic tube BS 7*13 no fittings
<b>SEM9061</b>	Peristaltic tube BS 7*13 with fittings 4*6
<b>SEM9061G</b>	Peristaltic tube BS 7*13 with fittings 4*6 and nut
<b>7018SR</b>	Peristaltic tube Santoprene 8x14 no fittings compatible
<b>SEM8062</b>	Peristaltic tube Santoprene 8x14 with fittings GP compatible
<b>7017SR</b>	Peristaltic tube Santoprene 9x16 no fittings compatible
<b>SEM9003</b>	Peristaltic tube Santoprene 9x16 with fittings GP compatible
<b>SEM8006</b>	Peristaltic tube Silicone 3x8 with fittings 4*6
<b>SEM8111</b>	Peristaltic tube Silicone 3x8 with PVC integrated valve
<b>7023SR</b>	Peristaltic tube Silicone 3x8 no fittings compatible
<b>SEM8010</b>	Peristaltic tube Silicone 6x10 with fittings 4*6 compatible
<b>SEM8064</b>	Peristaltic tube Silicone 6x10 with fittings GP compatible
<b>7012SR</b>	Peristaltic tube Silicone 6x10 no fittings compatible
<b>SEM8063</b>	Peristaltic tube Silicone 8x14 with fittings GP compatible
<b>7015SR</b>	Peristaltic tube Silicone 8x14 no fittings compatible
<b>SEM9004</b>	Peristaltic tube Silicone 9x16 with fittings GP compatible
<b>7016SR</b>	Peristaltic tube Silicone 9x16 no fittings compatible
<b>9126</b>	Polycarbonate Concorde
<b>9131</b>	Polycarbonate DCD
<b>9134</b>	Polycarbonate DST
<b>P9108</b>	Polycarbonate PAT
<b>P9109</b>	Polycarbonate PAV
<b>V90</b>	Powder detergent bowl adapter (universal)
<b>SEM8008</b>	Polypropylene injection fitting for detergent (10 mm diameter)
<b>4101</b>	Electronic circuit's pump SOT-EPXT-PAT
<b>4100</b>	Electronic circuit's pump SOV-SPCV-PAV
<b>SEM9027</b>	Pump plastic cover BH
<b>SEM8101</b>	Pump plastic cover XLR – SP with hole for regulation
<b>SEM8112</b>	Pump plastic cover XLR – SP without hole for regulation
<b>SEM8015</b>	Pump plastic cover PPAN – PAT – PAV - P
<b>SEM8015x</b>	Pump plastic cover PPAN – PAT – PAV - P customized (indicate customer's code)
<b>SEM8034</b>	Stainless steel non return valve 1/8" G.M. for rinse-aid
<b>SEM8133</b>	PVC non return valve for rinse-aid (from code SEM8111)
<b>SEM8027</b>	Roller holder for pumps 24 L/h



Code	Description
<b>SEM9024</b>	Roller holder for pumps BH
<b>SEM8025</b>	Roller holder for pumps up to 15 L/h (XLR. P. SP. D)
<b>SEM9027</b>	Roller holder for XLR pumps, rinse-aid version
<b>SEM8035</b>	Rubber holder for rinse aid valve G.F. 1/8" + O-ring
<b>4032</b>	Solenoid valve
<b>2032</b>	Solid detergent bowl adapter
<b>YW1-201</b>	Square on/off switch
<b>1016</b>	Stainless steel injection fitting for detergent (10 mm diameter)
<b>SEM8019</b>	Tube PE 4x6 - roll 2 m.
<b>7008</b>	Tube PE 4x6 - roll 200 m.
<b>SEM8054</b>	Tube PE 4x6 - roll 4 m.
<b>7011</b>	Tube PTFE 4x6 - roll 30 m.
<b>7018</b>	Tube PVC 16x22 - roll 25 m. (30 days delivery)
<b>7020</b>	Tube PVC 8x14 crystal - roll 25 m.
<b>7020</b>	Tube PVC 8x14 crystal - roll 5 m.
<b>7006</b>	Tube PVC 4x6 - roll 100 m.
<b>SEM8018</b>	Tube PVC 4x6 - roll 2 m.
<b>SEM8017</b>	Tube PVC 4x6 - roll 4 m.
<b>7013</b>	Tube PVC 8x12 - price per meter

## Pocket controllers

Code	Description
	<b>50014013</b> ECO portable pH meter. <b>Measuring range pH 0.0 ... 14.0 (resolution 0.1 pH)</b> . With ATC (automatic temperature compensation), fix electrode.
	<b>50014053</b> <b>pH 5 Tester ECOPACK</b> - 0,01 pH resolution, with ATC (automatic temperature compensation), mV for electrode quality test, °C/°F, replaceable sensor.
	<b>50014153</b> <b>COND 1 Tester ECOPACK</b> , Cond (0,01 μS...200 mS) and TDS (0,01 ppm...199,9 ppt), with ATC (automatic temperature compensation), fix electrode,
	<b>50014203</b> COND 5 Tester ECOPACK - Cond (0,01 μS...200 mS), TDS (0,01 ppm...199,9 ppt), Salinity (0,1 mg/l...100,0 g/l), °C/°F, replaceable sensor.
	<b>50014313</b> <b>ORP 5 Tester KIT</b> - ORP (-1000 / + 1900 mV) with customer calibration point, °C/°F, replaceable sensor.
	<b>50014143</b> <b>pX 4 Tester KIT</b> - 0,01 pH resolution, ORP (-1000 / + 1900 mV), mV for electrode quality test, ORP with customer calibration point, °C/°F, replaceable sensor
	<b>50014253</b> <b>PC 5 Tester ECOPACK</b> - 0,01 pH resolution, mV for electrode quality test, Cond (0,01 μS...200 mS), TDS (0,01 ppm...199,9 ppt), Salinity (0,1 mg/l...100,0 g/l), °C/°F, replaceable sensor

## Total hardness test kit



Kit for total hardness of water, a drop is equivalent to a French degree.

Code	Description
<b>KAB5006</b>	Total hardness of water test kit

# SOFTENERS

## Central Water Softening Stations







The most economical system that is normally used for highly variable and discontinuous consumption of water.

We supply models with TIME and VOLUME, boxed or duplex versions available.

System is supplied complete with pipes and accessories.

Code	Description	Bypass
<b>MINI 6RV</b>	Softener with time and volumetric regeneration - 6 L	✘
<b>MINI 8RV</b>	Softener with time and volumetric regeneration - 8 L	✘
<b>MINI 12RV</b>	Softener with time and volumetric regeneration - 12 L	✘
<b>MINI 6RVBP</b>	Softener with time and volumetric regeneration - 6 L	✔
<b>MINI 8RVBP</b>	Softener with time and volumetric regeneration - 8 L	✔
<b>MINI 12RVBP</b>	Softener with time and volumetric regeneration - 12 L	✔

## SPARE PARTS

Code	Description
 <b>AU100038</b>	Volumetric valve
<b>RF4701</b>	Kit for resin disinfection
	Self-cleaning filter- F ¾"
	Cartridge
	Key for filter

# DILUTION UNITS

## Manual pump



Manual pump, works with the push of a button, dosing adjusted by replacing the end stroke, selectable from 15 cc / 22 cc / 30 cc. It can be installed in any orientation, with aluminium spout. The limit function prevents the over dosage.

Code	Description
616GB	Manual pump 616 - aluminium spout

## ManualBox



It holds 1 litre canister; it is locked up by key. Stainless steel box, dilutor made in plastic material.  
Settings available: 15/22/30 cc / push  
Complete with wall mounting kit

Code	Description
MANUALBOX	Manualbox 1 product

## DESINFECTOR



1100 ml tank for stocking the gel or liquid disinfectant  
Infrared sensor: contactless operation  
Battery 4xLR6 - AA (in the package)  
Dimensions (mm): 230 x 140  
Conforms CE and HACCP standard

Code	Description
	Disinfector

## Mini DIL



Plastic dilution system of one product

- Flow rate: 14 l / min. and 4 l / min.
- Automatically dilutes chemical products.
- Easy to install and use.

Code	Description
	1 product 4 LPM (Button)
	1 product 14 LPM (Button)

## RITEDOSE



Distributor and blender of chemicals, ease of installation and use, allows for precise automatic dilution of concentrated chemicals.

Code	Description
	1 product, 8 LPM (Button)
	1 product, 8 LPM (Bottle)

## EVODOSE



Dilutes and distributes up to four products, is equipped with a selector valve to select the product you want, the unit has an anti-return valve in compliance with UNI EN 1717

Code	Description
	Evodose - 1 product, 4 LPM (Bottle)
	Evodose - 1 product, 4 LPM (Button)
	Evodose - 1 product, 14 LPM (Button)
	Evodose - 1 product, 14 LPM (Pistolet)
	Evodose - 4 products, 4x4 LPM + 1x14 LPM (Button / Bottle)
	Evodose - 4 products, 2x4 LPM + 2x14 LPM (Button / Bottle)
	Evodose - 4 products, 3x4 LPM + 1x14 LPM (Button / Bottle)

## HYDROMASTER



HydroMaster drum or wall-mounted proportioners mix liquid cleaning and sanitizing concentrates with water automatically, before dispensing the diluted solution into a range containers.

Code	Description
157M001	1 product 10 LPM - (dilution ratio 18% - 0,25%)
157M002	1 product 22 LPM - (dilution ratio 50% - 0,9%)

## ELITE CLEAN



Cleaning and disinfection station available with 10/15/20 meters of hose + spray gun.

Two versions available:

- 1 product: detergent + water and fresh water to rinse.
- 2 products: detergent + water, sanitizer + water and fresh water to rinse.

Code	Description
	Elite clean - 1 product
	Elite clean - 2 products

## ECO STATION



Cleaning and disinfection station available with 10 meters of hose + spray gun.

One version available:

- 1 product: detergent + water and fresh water to rinse.

Code	Description
	Eco station - 1 product

## MANUAL FOAM SPRAYER



Manual foam sprayer.

Code	Description
MNMF_1.0	Hydraulic foamer - 1 L.
MNMF_1.4	Hydraulic hydro foamer - 1.4 L.
MNMF_2.8	Hydraulic hydro foamer - 2.8 L.

## CAR PRO



High pressure spray systems for carwash applications.  
Washing system with the following features:

- Dosing: from 1 to 16 %
- Flow rate: 5 litres per minute
- Venturi in stainless steel

Code	Description
170M001	Car pro – hose 15 m. – lance in stainless steel (60 cm)
170M002	Car pro – hose 15 m. – lance telescopies in stainless steel (1-2 m.)
170M003	Car pro – hose 25 m. – lance in stainless steel (60 cm)
170M004	Car pro – hose 25 m. – lance telescopies in stainless steel (1-2 m.)

## CAR NET



High pressure spray systems for carwash applications.  
Drying system with the following features:

- Dosing: from 0.9 to 14 %
- Flow rate: 8 litres per minute
- Venturi in stainless steel

Code	Description
172M001	Car net – hose 15 m. – lance in plastic (45 cm)
172M002	Car net – hose 25 m. – lance in plastic (45 cm)

## CAR DUO



High pressure spray systems for carwash applications.  
Washing and drying system with the following features:

Washing:

- Dosing: from 1 to 16 %
- Flow rate: 5 litres per minute
- Venturi in stainless steel

Drying:

- Dosing: from 0.9 to 14 %
- Flow rate: 8 litres per minute
- Venturi in stainless steel

Code	Description
171M001	Car duo – hose 15 m. – lance in stainless steel (60 cm) and lance in plastic (45 cm)
171M002	Car duo – hose 15 m. – lance telescopies in stainless steel (1-2 m.) and lance in plastic (45 cm)
171M003	Car duo – hose 25 m. – lance in stainless steel (60 cm) and lance in plastic (45 cm)
171M004	Car duo – hose 25 m. – lance telescopies in stainless steel (1-2 m.) and lance in plastic (45 cm)



# LAUNDRY SYSTEMS

## Panel mounting pumps



Single panel mounting pumps for laundry.  
24 vdc motor.  
Kit not included.

Model	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
SP	14	0.1	Santoprene	6x10
BH20	50	0.1	Silicone	8x14
BH21	50	0.1	Santoprene	8x14
BH23	120	0.1	Santoprene	8x14
BH24	120	0.1	Silicone	8x14

## Single Pump



Single pumps for self-service machines.  
Kit not included.

Code	Regulation	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
PAV6A000	Speed	14	0.1	Santoprene	7x13
PAV5A000	Speed	14	0.1	Silicone	6x12
SC13BK00	Fixed	14	0.1	Santoprene	7x13
SC14BK00	Fixed	14	0.1	Silicone	6x12
SC15BK00 Gewiss	Fixed	24	0.1	Silicone	8x14
SC16BK00 Gewiss	Fixed	24	0.1	Santoprene	8x14
BHC21SA Gewiss	Fixed	50	0.1	Santoprene	8x14
BHC20SI Gewiss	Fixed	50	0.1	Silicone	8x14
BHC24SA Gewiss	Fixed	120	0.1	Santoprene	8x14
BHC23SI Gewiss	Fixed	120	0.1	Silicone	8x14

## DTL



Single pump for laundry with signal output.

Technical specifications:

Signal filter: from 0 to 999 seconds

Activation delay: from 0 to 999 seconds

Signal inhibition after the activation: 0 to 99 minutes

Manual priming

Password protected and statistics for activation and programs

Low level probe predisposition

Maintenance alarm with buzzer

Code	Flow rate (L/h)	Pressure max. (Bar)	Tube	mm
DTLSA	15	0.1	Santoprene	7x13
DTLSI	15	0.1	Silicone	6x12

## EASY FLY

System designed to be used with OPL and self-service washing machines

### Features:

- Plastic box;
- Available with 3 or 4 pumps;
- Programming made through frontal panel
- For each input it is possible to set delay, dosing and inhibition time
- AutoStart and program recovery functions
- Password protected
- Cables included

### Accessories:

- Water take faucet  $\frac{3}{4}$ ";
- $\frac{3}{4}$ " hose (to machine);
- 8x12 tube (2 m.)



Model	Flow rate L/h	Flow rate ml/m	NUMBER OF PUMPS		
			2	3	4
<b>EASY FLY SF*</b>	14	233			
<b>EASY FLY</b>	14	233			

\*SF: version without manifold kit included

Code	Description
<b>9026</b>	Console for remote selection of washing programs (5 meters cable)

## FLY SELF

System designed and built for washing machines with advanced programmable pumps outputs.

### Technical specifications:

- Box in plastic;
- N. 8 Pumps max;
- N. 8 pumps levels acoustic alarm and relay output;
- N. 10 signal inputs 24/260 V;
- N. 2 inputs for flow sensor +/-;
- Priming buttons

### Accessories included:

- Tap water connection  $\frac{3}{4}$  ";
- Washing machine hose connections from  $\frac{3}{4}$ ";
- Buttons priming pumps;
- Connection cables.



Model	Flow rate L/h	Flow rate ml/m	NUMBER OF INSTALLED PUMPS					
			3	4	5	6	7	8
<b>FLY SELF-L SF*</b>	14	233						
<b>FLY SELF-L</b>	14	233						
<b>FLY SELF-M SF*</b>	50	833						
<b>FLY SELF-M</b>	50	833						
<b>FLY SELF-H SF*</b>	120	2000						
<b>FLY SELF-H</b>	120	2000						

\*SF: version without manifold kit included

## ECOWASH LIGHT



System designed and built for not evolved laundry machines, suitable for any type.

Technical features:

- Box in plastic;
- N. 8 pumps max;
- N. 8 inputs for pumps levels with acoustic alarm relay outputs max 2 A;
- N. 10 signal input 24/260 V;
- 240 Vac power supply;
- N. 2 inputs for flow sensor +/-;
- Easy programming by PC;
- Console with written indication of the programs and the washing step;
- Pumps calibration;

Accessories included:

- Tap water connection  $\frac{3}{4}$  ";
- Washing machine hose connections from  $\frac{3}{4}$  ";
- Connection cables.

Model	Flow rate L/h	Flow rate ml/m	NUMBER OF INSTALLED PUMPS					
			3	4	5	6	7	8
<b>Ecowash Light LF</b>	20	333						
<b>Ecowash Ligh MF</b>	40	666						
<b>Ecowash Ligh HF</b>	100	1666						

\*SF: version without manifold kit included

### OPTIONAL

Code	Description
	Console LCD 2x16 with cable

## SPARE PARTS

Code	Description
SEM	BP Cover
BRAMKEY	Bramkey
4043	Cable for console 10 meters
4043	Cable for console 25 meters
SEM9023	Cable USB-RS for FLY 2.0
5010	Cap for lance/tank CD/USB Fly Software
4065	Circuit adaptor SD-USB
4060-F	Circuit CPU FULL
4060-S	Circuit CPU SELF
4045	Circuit PTL
4004	Circuit PV
SEM9013	Console with 5 m. cable
SEM8015XXX	Customized plastic pump cover PV-PTL
SEM8112XXX	Customized plastic pump cover SP-FLY-FLY SELF-EASY FLY
4063	Electronic supply circuit 240 Vac
SEM9017	Extra price for extension for lance from 50 to 125 cm
206	Faucet ¾" F-M-M
4046	Flow sensor
SEM9002	Foot filter
2220	Holder G.F. ¾" - Tube 8x10
2571	Laundry Tube ¾" F-F 2 meters (water)
SEM9007	Manifold 6 Pumps
SEM9005	Manifold 4 Pumps
SEM9006	Manifold 5 Pumps
SEM9003	Manifold 7 Pumps
SEM9004	Manifold 8 Pumps
SEM9008	Manifold 3 Pumps
SEM9000	Manifold valve
1118	Mounting bracket
4044	Multicouple cable 25 meters
C5050E	O-ring EPDM for foot filter (10 pcs kit)
SEM8065	Peristaltic tube Santoprene 6x10 with fittings GP compatible
7014SR	Peristaltic tube Santoprene 6x10 no fittings compatible
7030	Peristaltic tube BE 6x10 no fittings
SEM9062	Peristaltic tube BE 6x10 with fittings GP
7031	Peristaltic tube BF 6x10 no fittings
SEM9063	Peristaltic tube BF 6x10 with fittings GP
7032	Peristaltic tube BS 7x13 no fittings
SEM9064	Peristaltic tube BS 7x13 with fittings GP
SEM8062	Peristaltic tube Santoprene 8x14 with fittings L-M compatible
SEM8092	Peristaltic tube Santoprene 8x14 for BH pump compatible
7018SR	Peristaltic tube Santoprene 8x14 L-M-H no fittings compatible
SEM9039	Peristaltic tube Santoprene 8x14; L=29 cm. with fittings GP
SEM9003	Peristaltic tube Santoprene 9x16 with fittings compatible
7017SR	Peristaltic tube Santoprene 9x16 no fittings compatible
SEM9041	Peristaltic tube Santoprene 9x16; L=29 cm. with fittings
SEM8064	Peristaltic tube Silicone 6x10 with fittings GP compatible
7012SR	Peristaltic tube Silicone 6x10 no fittings compatible

Code	Description
SEM9048	Peristaltic tube Silicone 6x12 with fittings
7025SR	Peristaltic tube Silicone 6x12 no fittings
SEM8063	Peristaltic tube Silicone 8x14 with fittings compatible
SEM8093	Peristaltic tube Silicone 8x14 for BH pump compatible
7015SR	Peristaltic tube Silicone 8x14 no fittings compatible
SEM9038	Peristaltic tube Silicone 8x14; L=29 cm. with fittings
SEM9004	Peristaltic tube Silicone 9x16 with fittings compatible
7016SR	Peristaltic tube Silicone 9x16 no fittings compatible
SEM9040	Peristaltic tube Silicone 9x16; L=29 cm. with fittings
SEM8015	Plastic pump cover PV- PTL
SEM8112	Plastic pump cover SP-FLY-FLY SELF-EASY FLY
P9104	Polycarbonate Console
P9100	Polycarbonate DTL
P9102	Polycarbonate EASY FLY 4 pumps first series
P9103	Polycarbonate FLY 4 pumps (red logo)
P9105	Polycarbonate FLY 5/6/7/8 pumps
P9107	Polycarbonate FLY BH
9061	SD Card
9056	Solenoid Valve 24 Vdc
SEM9016	Spare pump mod. H (cables included)
SEM9014	Spare pump mod. L (cables included)
SEM9015	Spare pump mod. M (cables included)
SEM9025	Suction lance 50 cm. with non-return valve
SEM9028	Suction lance 50 cm. without non return valve
SEM9011	Suction lance PVC - Silicone - 50 cm
SEM9012	Suction lance with level probe - Silicone - 50 cm
7018	Tube PVC 16x22 - roll 25 meters (30 days delivery)
7020	Tube PVC 16x22 crystal - roll 5 meters
7013	Tube PVC 8x12 - price per meters

# POOL SYSTEMS



## DST POOL – Speed and Time regulation



Digital peristaltic pump with speed and time regulation  
 Pump flow rate: 6 L/h (100 mL/minute)  
 Power supply: 240 Vac  
 PP box  
 IP65 protection degree  
 Insulation class 2  
 H x P x L: 123 x 86 x 106 mm

Model	Description
<b>DST-POOL</b>	Digital dosing pump, specific for the dosage of flocculants and anti-algae in swimming pools. <b>Supplied with installation kit</b>
Installation kit: foot filter, suction and delivery tubes, non-return valve.	

## SCV – speed regulation



Analogue peristaltic pump with speed regulation by potentiometer specific for the dosage of essences.  
 Power supply: 240 Vac  
 PP box  
 IP65 protection degree  
 Insulation class 2  
 H x P x L: 123 x 86 x 106 mm  
 Complete with injection valve

Model	Flow rate (L/h)	Pressure max.	Tube	mm
<b>SCV-POOL1</b>	from 0.1 to 0.6	3,5	Santoprene	3x8
<b>SCV-POOL2</b>	from 0.25 to 1.5	3,5	Santoprene	3x8
<b>SCV-POOL3</b>	from 0.5 to 3.2	1	Santoprene	6x10

## DPR automatic digital dosing pump - single parameter



Automatic digital peristaltic pump for the regulation of pH or ORP (redox) values.  
 Power supply: 240 Vac  
 PP box  
 IP65 protection degree  
 Insulation class 2  
 H x D x L: 123 x 86 x 106 mm  
 Pump flow rate: 1.5 L/h or 4 L/h  
 Measuring ranges: **pH** 0.00 ÷ 14.00 (pH)  
                           **ORP** 0 ÷ 1000 (mV)

Code	Description
<b>DPRA-PH</b>	pH controller with peristaltic pump (1.5 L/h) <b>Supplied with installation kit</b>
<b>DPRB-PH</b>	pH controller with peristaltic pump (4 L/h) <b>Supplied with installation kit</b>
<b>DPRA-RX</b>	ORP (redox) controller with peristaltic pump (1.5 L/h) <b>Supplied with installation kit</b>
<b>DPRB-RX</b>	ORP (redox) controller with peristaltic pump (4 L/h) <b>Supplied with installation kit</b>

Installation kit: two DN 50 brackets, probe holder, pH or Rx electrode, buffer solutions foot filter, suction and delivery tubes and non-return valve

## POOL pH/RX



System for the regulation of pH or ORP (redox) in the pools with peristaltic pump.

Pump flow rate: 1.5 L/h or 4 L/h  
 Measuring ranges: **pH** 0.00 ÷ 14.00 (pH)  
                           **ORP** 0 ÷ 1000 (mV)

Size: 200 x 200 x 130 mm

Code	Description
<b>PoolpHA</b>	pH controller with peristaltic pump (1.5 L/h) <b>Supplied with installation kit.</b>
<b>PoolpHB</b>	pH controller with peristaltic pump (4 L/h) <b>Supplied with installation kit.</b>
<b>PoolRxA</b>	ORP (redox) controller with peristaltic pump (1.5 L/h) <b>Supplied with installation kit.</b>
<b>PoolRxB</b>	ORP (redox) controller with peristaltic pump (4 L/h) <b>Supplied with installation kit.</b>

Installation kit: two DN 50 brackets, probe holder, pH or Rx electrode, buffer solutions foot filter, suction and delivery tubes and non-return valve



## Series CONTROL PR



System for the regulation of pH and ORP (redox) in the pools without pumps

Display: 2x16 LCD with backlight

Measuring ranges: **pH** 0.00 ÷ 14.00 (pH)  
**ORP** 0 ÷ 1000 (mV)

Size: 200 x 200 x 130 mm

Code	Description
<b>ControlpHRX</b>	pH and ORP (redox) controller without pumps <b>Supplied with installation kit.</b>
Installation kit:	four DN 50 brackets, 2 probe holders, pH and ORP electrodes, buffer solutions.

## Series PMD



System for the regulation of pH and ORP (redox) or pH and Chlorine or in the pools with two solenoid metering pumps.

Pump flow rate: 5 L/h (pH) and 5 L/h (ORP and chlorine)

Display: LCD graphics with backlight

Measuring ranges: **pH** 0.00 ÷ 14.00 (pH)  
**ORP** 0 ÷ 999 (mV)  
**Cl** 0 ÷ 20.00 (PPM)

Code	Description
<b>PMD-PH-RX</b>	pH-ORP (redox) system with two solenoid metering pumps <b>Installation kit and electrodes NOT included.</b>
<b>PMD-PH-CL</b>	pH-CL system with two solenoid metering pumps <b>Installation kit and electrodes NOT included.</b>

## POOL-M1



Proportional control of pH and chlorine and / or Redox.

- Graphic display
- Solenoid metering pumps
- Water filter

Measuring ranges:     **pH**     0,00÷14,00  
                               **Redox**  0÷1000 mV  
                               **Cl**     0÷20,00 PPM

Code	Description
<b>PMD-PH/RX/T</b>	Complete panel pH, Rx and temperature
<b>PMD-PH/CL/T-SCM</b>	Complete panel pH and chlorine (amperometric Pt- Cu probe)
<b>PMD-PH/CL(T-SLO</b>	Complete panel pH and chlorine (membrane probe)
<b>PMD-PH+Salt</b>	Complete panel pH, Rx and temperatura + Salt electrolysis output (230VAC / 5A) or solenoid valve

## POOL-M2



Proportional control of pH and chlorine and / or Redox.

- TFT colour graphic display
- Solenoid metering pumps
- Water filter
- Wi-Fi connection
- App for Android and Apple

Measuring ranges:     **pH**     0,00÷14,00  
                               **Rx**     0÷2000 mV  
                               **Cl**     0,00÷20,00 PPM

Code	Description
<b>M05-PH/RX/T</b>	Complete panel pH, Redox (ORP) and temperatura
<b>M05-PH/CL/T-SCM</b>	Complete panel pH and chlorine (amperometric Pt- Cu probe)
<b>M05-PH/CL(T-SLO</b>	Complete panel pH and chlorine (membrane probe)

## POOL-M3



Manages two pools simultaneously or multiple parameters on one pool. The M30 is an instrument capable of simultaneously controlling 6 channels, chosen from several parameters:

- pH
- Redox (ORP)
- Free chlorine
- Turbidity
- Conductivity
- Oxygen
- Temperature (present regardless of configuration)

Large 7 "colour touch display (800 x 480)

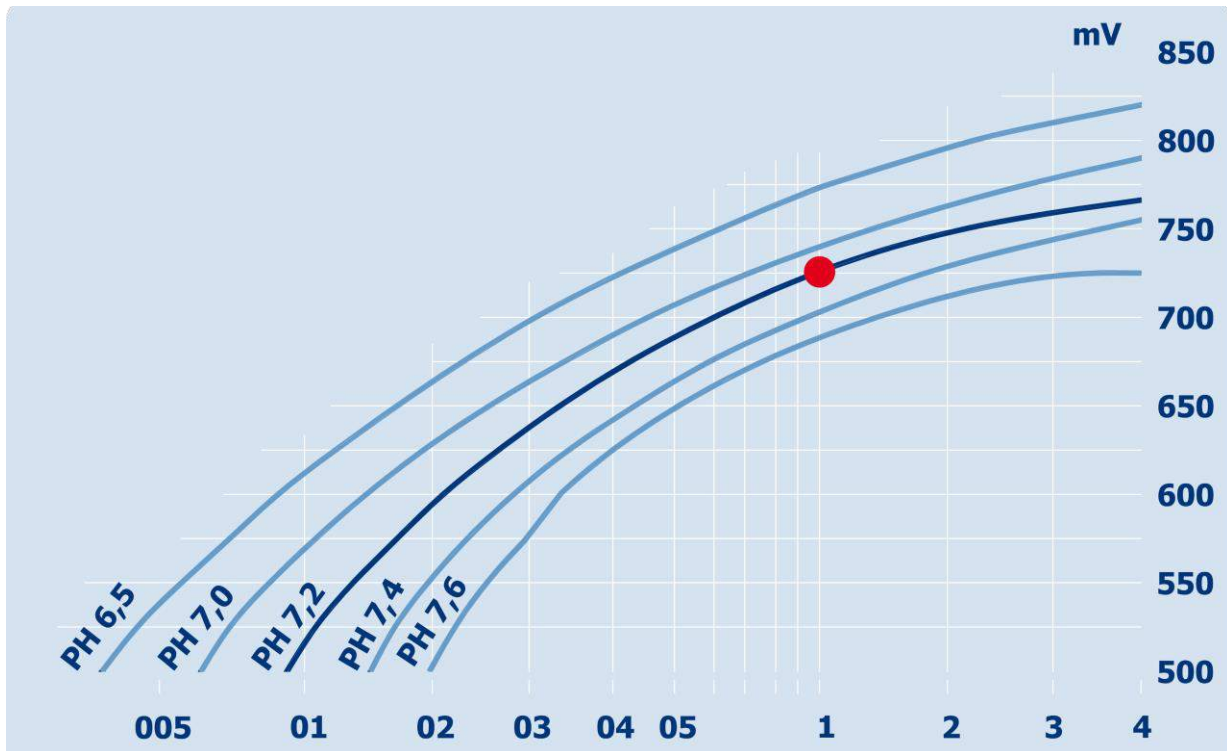
**Wi-Fi** connection, single band, 2.4 GHz IEEE 802.11 / G

Code	Description
<b>M30</b>	Complete panel



## SPARE PARTS

Code	Description
SCLO-S	3 measures. Copper/platinum. Range 0.00-5.00 PPM.
6086-40X12	Bracket 40 x ½"
6086-50X12	Bracket 52 x ½"
6086-63X12	Bracket 63 x ½"
SEM8025	Complete roller holder
SEM8054	Delivery hose in PE 4 MT
2026	Foot filter with leap valve
SEM8088	Injection valve with leap seals ½"
3020	Motor for 6 L/h
3016	Motor for 1.5 or 4 L/h
212 101 11	Out-flow probe holder
9132P	Polycarbonate for DPR
9134	Polycarbonate for DST
9098	Polycarbonate for series POOL 10 e POOL 20
P9097	Polycarbonate for series POOL 30
P9076	Polycarbonate for series POOL pH/Rx
SEM8087	Probe holder for in-flow bracket ½"
2402	Pump head for POOL PH/RX Grey colour
SEM8112	Pump plastic cover
SEM8005	Santoprene peristaltic hose

## pH – ORP – Chlorine comparison table



## pH and ORP electrodes

Code	Type	Model	Measur e	Range	Temperature	Pressure max.	Cable connection	MATERIAL	
32105219		EPH1	pH	0...14 pH	0...60°C	4 Bar	Bnc+ 3mm cable (1 m.)	Plastic	
32105319		ERX1	ORP	+/- 1000 mV	0...60°C	4 Bar	Bnc+ 3mm cable (1 m.)	Plastic	
32105009		EPH5	pH	0...14 pH	0...60°C	6 Bar	Bnc+ 3mm cable (5 m.)	Plastic	
32105109		ERX5	ORP	+/- 1000 mV	0...60°C	6 Bar	Bnc+ 3mm cable (5 m.)	Plastic	
32350029		EPH57	pH	0...14 pH	0...60°C	6 Bar	S7 - PG13.5	Glass	
32350039		ERXS7	ORP	+/- 1000 mV	0...60°C	6 Bar	S7 - PG13.5	Glass	
32385221		EPH57-HT	pH	0...14 pH	0...100°C	2 Bar	S7 - PG13.5	Glass - Gelpres	

## BNC-S7 cables for electrodes

Code	Description
	Cable 1 m.
	Cable 5 m.
	Cable 10 m.
	Cable 15 m.

## Pool analysis kit



Mini kit for chlorine and pH measuring supplied in tablets

Code	Description
<b>18000103</b>	Analysis Kit in tablets
<b>18000333</b>	pH red phenol box 100 tablets
<b>18000323</b>	DPD1 chlorine box 100 tablets

## Buffer solutions



Buffer solutions for calibration of pH and ORP electrodes

Code	Description
<b>32383123</b>	pH 4.0 - 75ml
<b>32383133</b>	pH 7.0 - 75ml
<b>32383143</b>	pH 9.0 - 75ml
<b>32383103</b>	650 mV - 75ml
<b>32383173</b>	pH 4.1 - 250 ml
<b>32383183</b>	pH 7.0 - 250 ml
<b>32383193</b>	pH 9.0 - 250 ml
<b>32383223</b>	475 mV - 250 ml

## Pocket controllers

Code	Description
	<b>50014013</b> ECO portable pH meter. <b>Measuring range pH 0.0 ... 14.0 (resolution 0.1 pH)</b> . With ATC (automatic temperature compensation), fix electrode.
	<b>50014053</b> <b>pH 5 Tester ECOPACK</b> - 0,01 pH resolution, with ATC (automatic temperature compensation), mV for electrode quality test, °C/°F, replaceable sensor.
	<b>50014153</b> <b>COND 1 Tester ECOPACK</b> , Cond (0,01 µS...200 mS) and TDS (0,01 ppm...199,9 ppt), with ATC (automatic temperature compensation), fix electrode,
	<b>50014203</b> COND 5 Tester ECOPACK - Cond (0,01 µS...200 mS), TDS (0,01 ppm...199,9 ppt), Salinity (0,1 mg/l...100,0 g/l), °C/°F, replaceable sensor.
	<b>50014313</b> <b>ORP 5 Tester KIT</b> - ORP (-1000 / + 1900 mV) with customer calibration point, °C/°F, replaceable sensor.
	<b>50014143</b> <b>pX 4 Tester KIT</b> - 0,01 pH resolution, ORP (-1000 / + 1900 mV), mV for electrode quality test, ORP with customer calibration point, °C/°F, replaceable sensor, in carton case, accessories and quick guide included
	<b>50014253</b> <b>PC 5 Tester ECOPACK</b> - 0,01 pH resolution, mV for electrode quality test, Cond (0,01 µS...200 mS), TDS (0,01 ppm...199,9 ppt), Salinity (0,1 mg/l...100,0 g/l), °C/°F, replaceable sensor, in carton box, batteries and quick guide included
<b>85110603</b>	DPD1 chlorine box 100 tablets
<b>85110803</b>	DPD3 chlorine box 100 tablets
<b>85112203</b>	DPD4 chlorine box 100 tablets
<b>85117703</b>	pH red phenol box 100 tablets

# WATER TREATMENT

## CONTROLLERS – M05



Controller M05.

- TFT colour graphic display.
- Single M05-S (pH, Rx, Cl, CD, Oxygen and temperature) or double M05-D measurement (pH/Rx/Temperature; pH/Cl/Temperature; pH/CD/Temperature; pH/Oxygen/Temperature).
- WIFI connection (optional).
- Android and Apple IOS application.
- Controller sold without electrodes.

Model	Measures	Power supply
M05-S	pH/Redox/Free chlorine/CD/Oxygen and Temperature	240 VAC
M05-D	pH/Redox/Free chlorine/CD/Oxygen and Temperature	240 VAC

## CONTROLLERS – M10 Touch



The **M10 touch** controllers represent the ultimate technology. Based on a powerful Android/Linux.

- Colour TFT 480x320 touch display.
- Up to three measures plus temperature – measurement available: pH redox (ORP), chlorine, turbidity and conductivity.
- WIFI connection.
- Android and Apple IOS application.

Model	Measures	Power supply*
M10touch*	pH/Redox/Free chlorine	240 VAC

## CONTROLLERS – M30 Touch



The **M30 touch** controllers represent the ultimate technology. Based on a powerful Android/Linux.

- 7" inch display touchscreen controller.
- Up to six measures – measurement available: pH, redox (ORP), chlorine, oxygen, turbidity, conductivity and temperature.
- Data Memory Recorder (Every day for 10 years).
- Support Smtip server for e-mail sending.
- WIFI connection.
- Android and Apple IOS application.

Model	Measures	Power supply*
M30touch*	pH/Redox/Free chlorine	240 VAC

(\*) Please ask for other measures

## Solenoid metering dosing pumps



Solenoid metering dosing pumps, available in various realizations and with different flow rates. Polypropylene box IP65. 240 Vac power supply. Pump head in PP (other realizations available upon request)

- CSS** constant flow. compact model – flow regulation by digital display.  
**CS** constant flow. standard model – flow regulation by digital display.  
**MS** multifunction pump with proportional/constant flow. 4-20 mA or pulse driven – regulations by digital display.  
**HS** instrument pump. for the reading and correction of pH, Chlorine and ORP values – regulation by digital display.

Optional: low level probe for chemical tank available for all the models

Model	Flow rate max (L/h)	Pressure max. (bar)	Frequency max (strokes/m.)	mL/stroke	Power Supply*
CSS-1-15	1	15	120	0.14	240 Vac
CSS-02-10	2	10	120	0.28	240 Vac
CSS-05-05	5	5	120	0.69	240 Vac

Model	Flow rate max (L/h)	Pressure max. (bar)	Frequency max (strokes/m.)	mL/stroke	Power Supply*
CS-1-15	1	15	120	0.14	240 Vac
CS-02-10	2	10	120	0.28	240 Vac
CS-05-07	5	7	120	0.69	240 Vac
CS-10-10	10	10	180	0.93	240 Vac
CS-20-03	20	3	200	1.67	240 Vac
CS-50-0.1	50	0.1	220	3.79	240 Vac

Model	Flow rate max (L/h)	Pressure max. (bar)	Frequency max (strokes/m.)	mL/stroke	Power Supply*
MS-1-15	1	15	120	0.14	240 Vac
MS-02-10	2	10	120	0.28	240 Vac
MS-05-07	5	7	120	0.69	240 Vac
MS-10-10	10	10	180	0.93	240 Vac
MS-20-03	20	3	200	1.67	240 Vac
MS-50-0.1	50	0.1	220	3.79	240 Vac

Model	Flow rate max (L/h)	Pressure max. (bar)	Frequency max (strokes/m.)	mL/stroke	Power Supply*
HS-1-15	1	15	120	0.14	240 Vac
HS-02-10	2	10	120	0.28	240 Vac
HS-05-07	5	7	120	0.69	240 Vac
HS-10-10	10	10	180	0.93	240 Vac
HS-20-03	20	3	200	1.67	240 Vac
HS-50-0.1	50	0.1	220	3.79	240 Vac

(\*) For other power supply, contact us.

Note: All models are supplied with installation kit (suction and delivery tubes, foot filter, injection valve and wall mounting kit)