

DOSING SYSTEM ON LINE

It is often required to dose a chemical into a tube line.

The most reliable system consists of a flow meter and a pump. The tube should be cut off, the flow meter inserted and depending on the amount of water passing through the tube, signal to the pump and give the appropriate amount of chemical to achieve the desired concentration in our circuit.

FLOW METERS of the WM.R1 Series

We have various flow meter sizes. Threaded for hot / cold, lumen type, with lumen transmitter, flow reading, in leaky environment.



Code	Model (Dimensions L/D/H σε mm)	Connections	DN	Strokes	Code
31242401031	WM.R1 110x80x90	1/2"	15	4 strokes/lt	10200
				1 strokes/lt	10200A
31242401028	WM.R2 130x80x90	3/4"	20	4 strokes/lt	10201
				1 strokes/lt	10201A
31242401027	WM.R3 160x100x120	1"	25	4 strokes/lt	10202
				1 strokes/lt	10202A
31242401042	WM.R4 160x100x120	1"1/4	30	4 strokes/lt	10203
				1 strokes/lt	10203A
31242401043	WM.R5 200x110x130	1"1/2	40	4 strokes/lt	10204
				1 strokes/lt	10204A
31242401029	WM.R6 300x152x200	2"	50	4 strokes/lt	10205
				1 strokes/lt	10205A



DOSING PUMPS

The choice is between a digital or proportional pump, where the digital pump offers greater accuracy and ppm dosing, set the desired ppm on the screen and the pump will ensure the correct concentration when dosed. The signal is received by the pump and dosed according to the signal.

ANALOG PUMP AT.AM 4

- Analog pump with analogue flow
- To a digital signal (water meter) with the possibility multiply or divide the impulses received (4:1-1:1-10:1-1xN)
- To an analogic signal (4÷20 mA) with the possibility to regulate in percentage the maximum flow
- 0÷100% manual flow regulation, constant function

Code	Description	Pressure	Flow Rates	Cc/Stroke	Connections	Strokes/Min
31181805005	Dosing pump EPDM PVDF CERAMICA	5 bar	30 l/h	1,67	8/12 mm	300
		4 bar	40 l/h	2,22		
		2 bar	55 l/h	3,05		
		0,1 bar	110 l/h	6,11		



- PVDF PUMP HEAD suitable for chemical used in the Industrial, Waste Water Treatment and Potable Water applications
- CERAMIC BALL full chemical compatibility
- PTFE DIAPHRAGM unique life expectancy and compatibility with most chemicals
- STEADY DOSING Stabilized Multi Power Supply 100÷240 Vac 50/60 Hz with reduced consumption
- QUICK CONNECTIONS
- MANUAL PRIMING VALVE
- IP65 PROTECTION
- ADJUSTABLE FLOW RATE knob on the Front Panel
- POWER-ON and LEVEL ALARMS LED

DIGITAL PUMP AT.MT 4

- Digital pump with analog
- To a digital signal 1:n ; n:1 ; 1:c (batch) or directly in ppm
- To an analogic signal 0/4÷20 mA 20÷4 mA selectable
- Digital flow regulation, with the possibility to set the max flow.

Code	Model	Pressure	Flow Rates	Cc/Stroke	Connections	Strokes /Min
31181805020	ATMT4HNPF00	5 bar	30 l/h	1,67	8/12 mm	300
		4 bar	40 l/h	2,22		
		2 bar	55 l/h	3,05		
		0,1 bar	110 l/h	6,11		



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- POWER-ON and LEVEL ALARMS LED

NOTE: All pumps are equipped with PVDF pump head and PVDF installation kits.

For sealing rings, note the following:

- FPM rings are used for nitric acid and sodium hypochlorite
- EPDM rings are used for peracetic acid + phosphoric acid
- EPDM rings are used for caustic soda