



Chemical dosing products from Water Technology Ltd.

Dosing pumps.

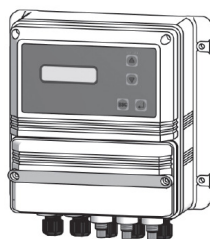
Prices – from €312 (analogue) and €480 (digital)



EMEC dosing pumps are suitable for most liquids and with stroke length and stroke speed adjustment can achieve very accurate dosing accuracy. The analogue pumps can be supplied to operate with a pulse generating water meter, to provide proportional to flow dosing. The digital pumps can be programmed operate in response to either a pulse, or a 4-20mA mV or V input. Pumps are supplied with an injection valve, a foot valve and a level switch, which will cut out the pump in the event of chemical running low.

Water meters.

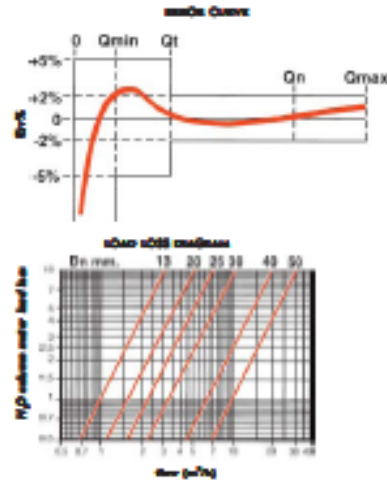
Size	Prices from	Size	Prices from
1/2"	€81	3"	€819
3/4"	€94	4"	€965
1"	€140	6"	€1410
1,1/4"	€176	8"	€1755
1,1/2"	€293	10"	€2833
2"	€468	12"	€5665



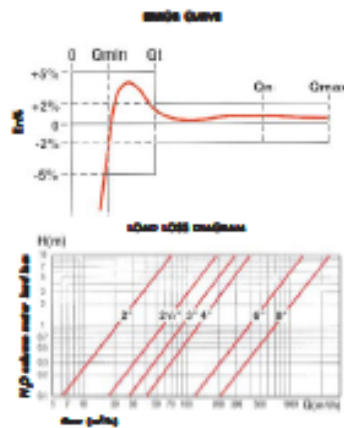
All water meters can be provided with a number of different pulse output options. Water meters with PTFE coated wetted parts are available as an option. The meters can be used in conjunction with a pulse reader (LMFI – cost €438) to provide a resettable volume reading or an instantaneous flow rate, the LMFI also provides a 4-20mA output for recording or for connection to data logging or SCADA systems.

The meters and LMFI unit is especially useful if low flow rates are required in large diameter pipes, as in these conditions magnetic flow meters tend to over-read.

Gauge		15	20	25	30	40	50
	mm	15	20	25	30	40	50
	inch	1/2	3/4	1	1.1/4	1.1/2	2
Inertial breaking	l/h	10	15	20	30	25	50
Max temporary flow delivery	m ³ /h	3	5	7	10	20	30
Flow delivery with 10m of load loss	m ³ /h	3	5	7	10	20	30
Nominal flow rate	m ³ /h	1.5	2.5	3.5	5	10	15
First precision delivery $\pm 5\%$	l/h	30	50	70	100	200	450
Second precision delivery $\pm 2\%$	l/h	120	200	280	400	800	3000
Max operation pressure	bar	16	16	16	16	16	16
Minimum reading	l	0.1	0.1	0.1	0.1	0.1	0.5
Maximum reading	m ³	10 ⁴	10 ⁴	10 ⁴	10 ⁴	10 ⁴	10 ⁴
Turbine revs per liter	g/l	34.8	22.5	11.7	11.7	4.5	3.16

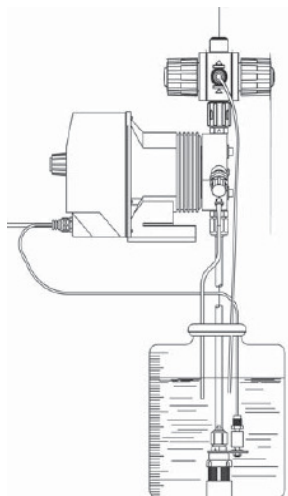


Gauge		50	65	80	100	150	200
	mm	50	65	80	100	150	200
	inch	2	2.5	3	4	6	8
Inertial breaking	m ³ /h	0.4	0.4	0.4	0.6	1.6	2
Max temporary flow delivery Qmax	m ³ /h	30	50	60	120	300	500
Flow delivery with 1m of head loss	m ³ /h	20	55	60	140	410	610
Nominal flow rate Qn	m ³ /h	15	25	40	60	150	250
First precision delivery ($\pm 2\%$) Qt	m ³ /h	3	5.5	7	12	6	8.5
Transitional flow rate $\pm 5\%$ Qmin	m ³ /h	1.2	2	2.5	3.6	4.5	7
Max operation pressure	bar	16	16	16	16	16	16
Minimum reading	l	1	1	1	10	10	100
Maximum reading	m ³	10 ⁴	10 ⁴	10 ⁴	10 ⁴	10 ⁴	10 ⁴



Multifunction valves

Cost - €74 (pump mounted) €79 (wall mounted)



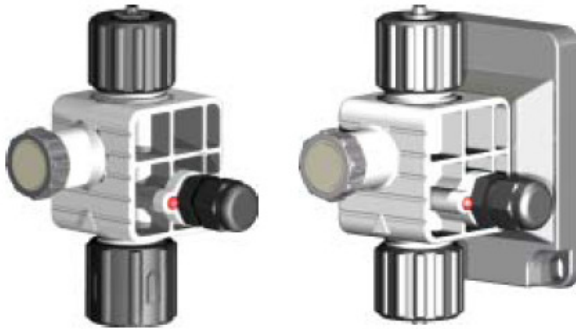
The EMEC Multifunction MF valves which are available either to mount directly to pump or can be wall mounted, combine a pressure relief valve and a back-pressure valve.

The back-pressure valve is used to prevent siphoning of chemical through the pump if the discharge point is below the level on the chemical in the chemical drum.

Duty stand-by dosing and alarm systems.

1- The EMEC SEFL switch

Cost - €113 (pump mount) €118 (wall mount)



The SEFL switch can be mounted directly to the pump or wall mounted. It provides a signal when the liquid passes through the pump.

If used in conjunction with the digital pumps, the SEFL can be used to operate a flow failure alarm, or to operate an automatic change over to a stand-by pump.

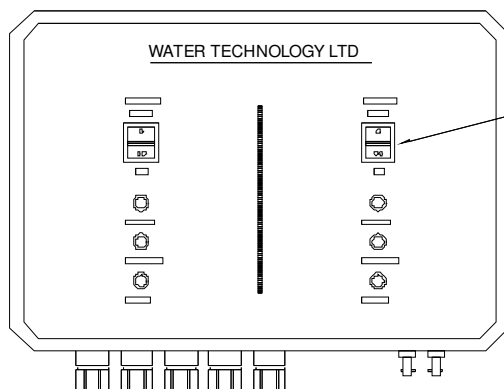
The EMEC digital dosing pumps can be programmed to provide a volt-free alarm contact from the pump in the event of a failure (e.g low chemical level, flow failure (using a SEFL Switch)). The digital pump can also be placed on stand-by using an external volt free contact. Wiring the alarm contact of one of the pumps, to the stand-by signal of the second pump allows the stand-by pump to be activated automatically in the event of a fault in the duty pump.

2- Suredose MF

Price - €750 (with timed duty pump cycle) - €650 (duty-stand by only.)

Water Technology Ltd. has developed a duty stand-by interface for use with MF type pumps. This system makes it easier for the operator to detect a fault with the system, and allows the operator to select the duty pump, and to test the off line pump. An option of time based cycling of the duty pump is also available.

Features



SWITCH POSITIONS.

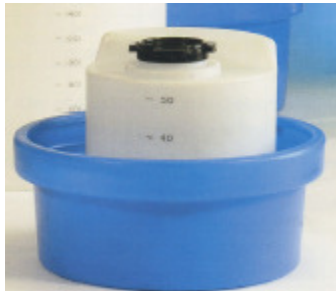
- Auto – Duty stand-by Active
- Off – Pump switched off
- On – Pump permanently on for priming or testing

- Automatic change over to stand-by pump in the event of a fault with the duty pump.
- Programmable time change over of duty pumps.
- Pump run, fault and selected indicators.
- Water meter pulse repeater for two pumps and a spare unit for monitoring system.
- 4-20 mA outputs for two pumps and a spare output for monitoring system.
- Hand/off/Automatic change over switches for each pump
- Volt free alarm output.

The system can be used with magnetic flow meters, and allows the dosing pumps to be disconnected from the control system without interrupting the control circuit.



Other dosing accessories.

Dosing tanks and bunds



Sizes Tanks	Price
50 litre	€112
100 litre	€142
200 litre	€207
300 litre	€305
500 litre	€415
1000 litre	€518
Sizes Bunds	
50 litre	€110
100 litre	€128
200 litre	€193
500 litre	€265

Pump mounting brackets

	STCMS	€33
	STH	€20
	STH1	€25



KDPV	€16
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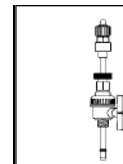
Connection kit to allow 2 dosing pumps to operate from one water meter

Injection lances



LIN-V	€64.00
LIN-D	

1/2" injection lance for easy removal in high pressure systems.
PVC body. Viton® o-ring.



LINR-V	€79
LINR-D	

1/2" injection lance for easy removal in high pressure systems.
PVC body. Viton® o-ring. Ball valve.