

TECHNICAL SHEET

FLECK
9100 TWIN VALVE SERIE





FLECK VALVE TWIN SERIE - 9100

TECHNICAL CHARACTERISTICS

- Continuous soft water provision with only one tank in use, other being in regeneration or stand-by
- Regeneration with softened water
- Valve body in PPO, corrosion-proof
- Fast connection of the second tank, with connecting pipes in PVC delivered with the valve
- Optional : upflow regeneration



VALVE SPECIFICATION

Material	PPO*
Hydrostatic pressure	20 bar
Working pressure	1.8 - 8.5 bar
Working temperature	1 - 43 °C
Electrical rating	24 V / 50 or 60 Hz, other upon request
Protection index	IP 22
Certificates	2004/108/CE, Electromagnetic compatibility 2006/95/CE, Low voltage D.M. 174/04, Italian norm

FLOW RATE (3.5 BAR INLET - VALVE ALONE)

	¾ inch	1 inch
Continuous ($\Delta p = 1$ bar)	4 m ³ /h	4.5 m ³ /h
Peak ($\Delta p = 1.8$ bar)	5.4 m ³ /h	5.9 m ³ /h
Cv*	4.8 gpm	5.2 gpm
Maximum backwash ($\Delta p = 1.8$ bar)	1.9 m ³ /h	1.9 m ³ /h

* Cv: Flow rate of valve alone in gpm at 0.07 bar pressure drop.

DOWN FLOW REGENERATION

	Mechanical	Electronic
Cycles	Adjustable	Adjustable
Time available	199 min	

CONNECTIONS - DIMENSION

Inlet / outlet	¾ or 1 inch BSP
Distributor tube	26.7 mm (1 inch)
Drain line	½ inch
Brine line 1600	¾ inch
Mounting base	2 ½ inches - 8 NPSM
Height (from top of tank)	185 mm

Tank size application (recommended)

Water softener	6 - 16 inches (150 - 400 mm)
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METER

	¾ inch	1 inch
Accuracy range (± 5%)	1 - 57 Lpm	2.6 - 151 Lpm
Standard capacity range	0.5 - 8 m ³	1 - 20 m ³
Extended capacity range	2.5 - 40 m ³	5 - 100 m ³

REGENERATION CYCLES

Down flow

- 1) Brine and slow rinse (Upflow)
- 2) Backwash (Upflow)
- 3) Rapid rinse (Down flow)
- 4) Brine tank refill
- 5) Service

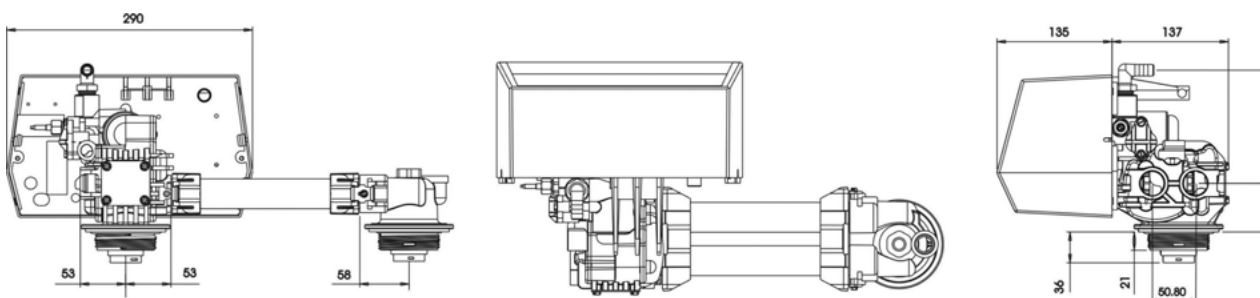
Upflow

- 1) Backwash (Upflow)
- 2) Brine and slow rinse (Down flow)
- 3) Rapid rinse (Down flow)
- 4) Brine tank refill
- 5) Service

OPTIONS

Regeneration	Upflow
Electronic	ET, SXT
Mixing	Yes
By-pass	Valve ¾ inch

DIMENSIONS



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