

TECHNICAL SHEET

FLECK

INDUSTRIAL VALVE 3150





FLECK INDUSTRIAL VALVE - 3150

TECHNICAL CHARACTERISTICS



- Ideal for filter application
- Optional upflow brining
- Power head: corrosion resistant and UV stable
- Valve body in brass
- Regeneration:
 - Timeclock: 7 or 12 days
 - Meter delayed or immediate
 - Electronic timer
- Available in side mount version

OPERATING SPECIFICATIONS

VALVE SPECIFICATION

Material	Brass
Hydrostatic pressure	20 bar
Working pressure	1.8 - 8.5 bar
Working temperature	1-43 °C
Electrical rating	24 V - 50 Hz, other upon request
Protection index	IP 44

FLOW RATE (3.5 BAR INLET - VALVE ALONE)

Continuous ($\Delta p = 1$ bar)	TM ^{**} : 22 m ³ /h SM ^{***} : 23 m ³ /h
Peak ($\Delta p = 1.8$ bar)	TM ^{**} : 28 m ³ /h SM ^{***} : 29 m ³ /h
Cv [*]	24.8 gpm
Maximum backwash ($\Delta p = 1.8$ bar)	TM ^{**} : 24 m ³ /h SM ^{***} : 25 m ³ /h

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

^{**}TM: Top Mount
^{***}SM: Side Mount

DOWN FLOW REGENERATION

	Mechanical	Electronic
Cycles	Adjustable	Adjustable
Time available	164 min	99 min each cycle

CONNECTIONS - DIMENSION

Inlet / outlet	2 inches BSP
Distributor tube	63 mm (DN 50)
Riser tube cut: Target / Max / Min	0.25 inch below tank / Flush with top tank / 1 inch below top tank)
Drain line	2 inches BSP
Brine line (1800)	1 inch NPT
Mounting base - Top	4 inches - 8 thread UN
Height (from the top of tank)	254 mm
Tank size application (recommended)	
Water softener	TM**: 24 - 42 inches SM***: 24 - 60 inches
Filters	24 - 42 inches (610 - 1070 mm)

**TM: Top Mount
***SM: Side Mount

METER

	Mechanical
Accuracy range ($\pm 5\%$)	16.67 - 568 Lpm
Standard capacity range	5 - 75 m ³
Extended capacity range	25 - 375 m ³

REGENERATION CYCLES

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

OPTIONS

No water during regeneration	NBP
Regeneration	Upflow
Mounting	Side mount
Electronic	
Filter	
Hot water	65°C meter / 82°C timeclock

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