



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 (± 5%)	16.67 - 568 Lpm
Standard capacity range	5 - 75 m ³
Extended capacity range	25 - 375 m ³

REGENERATION CYCLES

Down flow

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

Upflow

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

OPTIONS

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

