

# 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 22

#### FLOW RATE (3.5 BAR INLET - VALVE ALONE)

Continuous ( $\Delta p = 1$ bar)	TM <sup>**</sup> : 22 m <sup>3</sup> /h SM <sup>***</sup> : 23 m <sup>3</sup> /h
Peak ( $\Delta p = 1.8$ bar)	TM <sup>**</sup> : 28 m <sup>3</sup> /h SM <sup>***</sup> : 29 m <sup>3</sup> /h
Cv <sup>*</sup>	24.8 gpm
Maximum backwash ( $\Delta p = 1.8$ bar)	TM <sup>**</sup> : 24 m <sup>3</sup> /h SM <sup>***</sup> : 25 m <sup>3</sup> /h

<sup>\*</sup>Cv: Flow rate of valve alone in gpm at 0.07 bar pressure drop.  
<sup>\*\*</sup>TM: Top Mount  
<sup>\*\*\*</sup>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
<b>Tank size application (recommended)</b>	
Water softener	TM <sup>**</sup> : 24 - 42 inches SM <sup>***</sup> : 24 - 60 inches
Filters	24 - 42 inches (610 - 1070 mm)

<sup>\*\*</sup>TM: Top Mount  
<sup>\*\*\*</sup>SM: Side Mount

## METER

	Mechanical
Accuracy range (± 5%)	16.67 - 568 Lpm
Standard capacity range	5 - 75 m <sup>3</sup>
Extended capacity range	25 - 375 m <sup>3</sup>

## 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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