PENTAIR

pHorko
industrial water purification systems

TECHNICAL SHEET

FLECK
INDUSTRIAL VALVE 2910



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FLECK INDUSTRIAL VALVE - 2910



TECHNICAL CHARACTERISTICS

- Ideal for industrial application and multivalve systems
- Improved 2 piston-system technology to drive independant flows of service and regeneration
- Power head: corrosion resistant and UV stable
- Optional upflow brining
- Valve body in brass
- Regeneration:
  - Timeclock: 7 or 12 days
  - Meter: delayed or immediate
  - Electronic timer

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 (Δp = 1 bar)	24 m^3/h
Peak (Δp = 1.8 bar)	31 m^3/h
Cv*	27 gpm
Maximum backwash (Δp = 1.8 bar)	8 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	164 min	99 min each cycle

CONNECTIONS - DIMENSION

Inlet / outlet	2 inches BSP
Distributor tube	50 mm (DN 40)
Drain line	1 inch - 11 NPT
Brine line (1650)	⅜ inch
Brine line (1710)	½ inch
Mounting base - Top	4 inches - 8 thread UN
Height (from the top of tank)	305 mm
Tank size application (recommended)	
Water softener	14 - 36 inches (350 - 914 mm)
Filters	14 - 24 inches (350 - 609 mm)

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	**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	
Hot water	65°C meter / 82°C timeclock