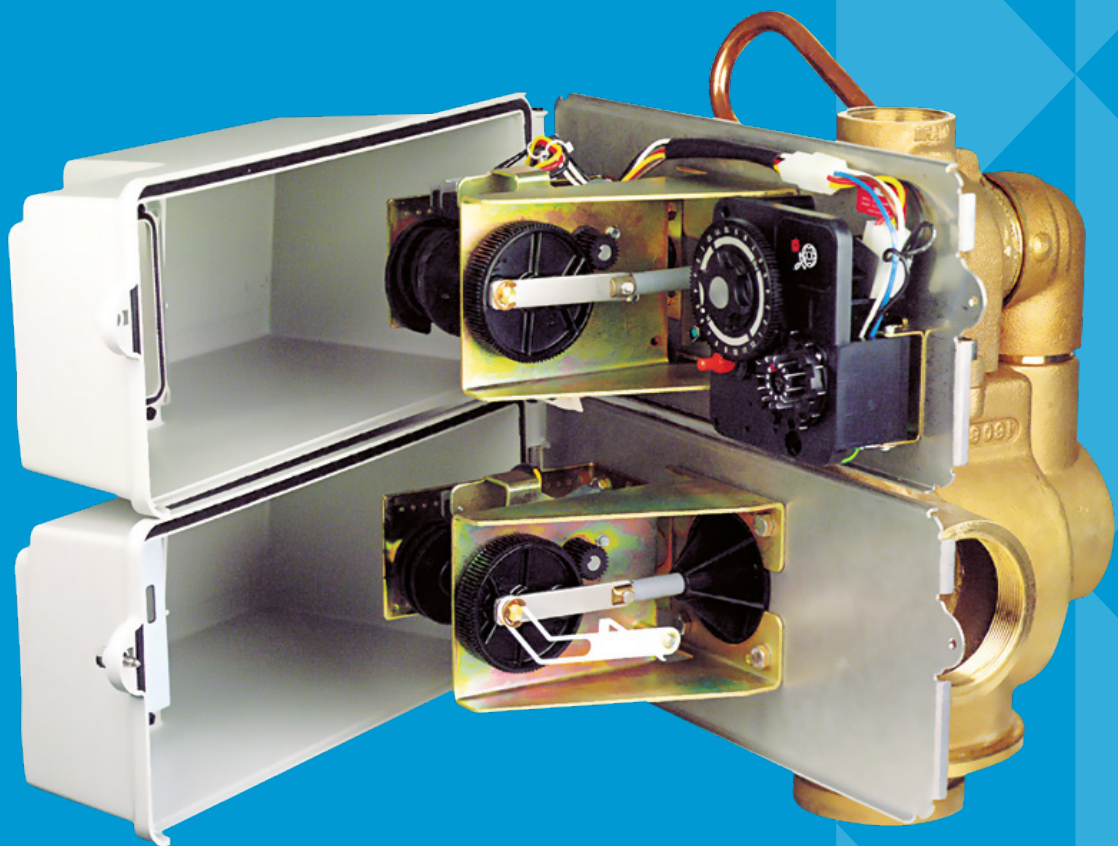


TECHNICAL SHEET

FLECK

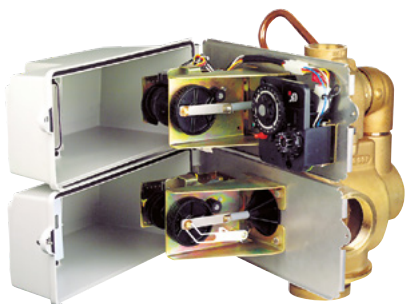
INDUSTRIAL VALVE 3900





FLECK INDUSTRIAL VALVE - 3900

TECHNICAL CHARACTERISTICS



- Ideal for industrial application and multivalve systems
- Improved 2 pistons-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 - 50Hz, other upon request |
| Protection index | IP 22 |

FLOW RATE (3.5 BAR INLET - VALVE ALONE)

| | |
|--|----------------------|
| Continuous ($\Delta p = 1$ bar) | 57 m ³ /h |
| Peak ($\Delta p = 1.8$ bar) | 74 m ³ /h |
| Cv* | 65 gpm |
| Maximum backwash ($\Delta p = 1.8$ bar) | 24 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 | Up to 99 min each cycle |

CONNECTIONS - DIMENSION

| | |
|--|--|
| Inlet / outlet | 3 inches BSP |
| Distributor tube | 90 mm (DN 40) |
| Riser tube cut: Target / Max / Min | Flush with top tank / 0.5 inch above tank / 0.75 inch below tank |
| Drain line | 2 inch BPS |
| Brine line (1800) | 1 inch NPT |
| Mounting base | 6 inches - 8 thread UN |
| Height (from the top of tank) | 381 mm |
| Tank size application (recommended) | |
| Water softener | 30 - 60 inches (760 - 1520 mm) |
| Filters | 24 - 42 inches (610 - 1070 mm) |

METER

| | Mechanical | Electronic |
|------------------------------|--------------------------|------------|
| Accuracy range ($\pm 5\%$) | 26.67 - 1133 Lpm | N/A |
| Standard capacity range | 14 - 240 m ³ | N/A |
| Extended capacity range | 70 - 1200 m ³ | N/A |

REGENERATION CYCLES

| Down flow | Upflow |
|-----------------------------------|----------------------------------|
| 1) Backwash (Upflow) | 1) Brine and slow rinse (Upflow) |
| 2) Brine & slow rinse (Down flow) | 2) Back wash (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 | |



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