

FLECK[®] 2815 COMMERCIAL VALVE

1-1/2 INCH STAINLESS STEEL CONTROL VALVE



FEATURES • BENEFITS

- ◆ 316 grade stainless steel valve body for superior strength and durability
- ◆ Continuous service flow and backwash rates of 70 GPM
- ◆ Backwash capability accommodates softener tanks up to 36" in diameter and filter tanks up to 30" in diameter
- ◆ Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system operation
- ◆ Designed for single or multiple tank systems
- ◆ Corrosion resistant, UV stabilized NEMA 3R rated cover provides protection against water intrusion
- ◆ Hydraulically-balanced composite piston for durable sealing and performance
- ◆ One-piece seal and spacer cartridge simplifies service



TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 61 Section 8 Material Safety Only.



TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 372 for Lead Free Compliance.



UL recognized to 979

CONFIGURATIONS • OPTIONS

- ◆ NPT Stainless Steel
- ◆ 100-240 VAC operating range with multiple power plug choices (some models)
- ◆ No hard water bypass piston
- ◆ Brine cam auxiliary switch
- ◆ Electromechanical timer auxiliary switch
- ◆ Black cover with black bezel
- ◆ Optional blue or silver bezels sold separately
- ◆ **XTR2** - Premium controller with large color LCD touch screen display offers intuitive navigation and a full complement of advanced features for system type 4 softeners and filters
- ◆ **SXT** - Large LCD display and user-selectable time clock or metered functionality for softener and filter systems
- ◆ **NXT2** - Network up to 8 valves for multi-system control. Improved display (OLED) allows for easy viewing. Multivalve system settings can be pushed from one controller to expedite setup.
- ◆ **Electromechanical Timer**- Simple to adjust and easy to service with quick access to all internal components
- ◆ **3200 Electromechanical Timer**- 7-day or 12-day time clock operation
- ◆ **3210 Electromechanical Timer**- Meter delayed operation

VALVE SPECIFICATIONS

| | |
|----------------|-----------------------------|
| Valve Material | Stainless Steel - 316 Grade |
| Inlet/Outlet | 1-1/2" NP |
| Cycles | 3 or 5 |

FLOW RATES (50 PSI INLET) – VALVE ALONE

| | |
|--|--------------------|
| Continuous 15 psi (1.0 bar) drop | 70 GPM (265.0 LPM) |
| Peak 25 psi (1.7 bar) drop | 90 GPM (340.7 LPM) |
| Cv flow at 1 psi (0.07 bar) drop | 18 GPM (68.1 LPM) |
| Max. Backwash 25 psi (1.7 bar) drop | 70 GPM (265.0 LPM) |

REGENERATION

| | |
|--------------------|--------------------------|
| Downflow/Upflow | Downflow only |
| Adjustable Cycles | Yes |
| Timer Available | |
| XTR2: | 0 - 240 min/cycle |
| NXT2: | 0 - 240 min/cycle |
| SXT: | 0 - 99 min/cycle |
| Electromechanical: | 0 - 164 min/regeneration |

METER INFORMATION

| | |
|----------------------|---|
| Meter Accuracy | |
| 1" Paddle: | 0.7 - 40 GPM ± 5% (2.6 - 151.4 LPM) |
| 1-1/2" Paddle: | 1.5 - 75 GPM ± 5% (5.7 - 283.9 LPM) |
| Meter Capacity Range | |
| XTR2: | 1 - 9,999,999 gal (0-99,999 m ³) |
| NXT2: | 1 - 9,999,999 gal (0-99,999 m ³) |
| SXT: | 1 - 999,900 gal (0 - 3,785 m ³) |
| 1" EM Standard: | 310 - 5,270 gal (1.2 - 20 m ³) |
| 1" EM Extended: | 1,550 - 26,350 gal (6 - 100 m ³) |

METER INFORMATION (continued)

| | |
|---------------------|--|
| 1-1/2" EM Standard: | 625 - 10,625 gal (2.5 - 40 m ³) |
| 1-1/2" EM Extended: | 3,125 - 53,125 gal (12 - 200 m ³) |

EM = Electromechanical

DIMENSIONS

| | |
|---|--|
| Distributor Pilot/ Riser Tube Diameter | 1.9" OD Tube (48.3 mm) |
| Drain Connection | 1-1/2" NPT |
| Brine Valve | 1/2" OD Tube (13 mm) |
| Injector System | 1720 |
| Mounting Base | 4" - 8 UN |
| Height from Top of Tank | 9" (229 mm) |
| Riser Height | 0.25" (6.3 mm) below flush ± 0.25" (6.3 mm) |

TYPICAL APPLICATIONS

| | |
|----------------|--|
| Water Softener | 14 - 36" (356-914 mm) diameter |
| Filters | 14 - 30" (356-762 mm) diameter based on 10 GPM/ft ² |

ADDITIONAL INFORMATION

| | |
|---------------------------|--------------------------------------|
| Electrical Rating | 24/100-240V 50/60 Hz 40VA max. |
| Estimated Shipping Weight | 22 lbs. (10 kg.) |
| Pressure | |
| Hydrostatic: | 300 psi (20 bar) |
| Working: | 20 - 125 psi (1.4 - 8.5 bar) |
| Water Temperature | 34 - 150°F (1 - 66°C) |



13845 Bishops Dr. | Suite 200 | Brookfield, WI 53005 | United States
P: 262.238.4400 | Customer Care: 800.279.9404 | tech-support@pentair.com | pentair.com

§For a detailed list of where Pentair trademarks are registered, please visit www.pentair.com/en/registrations.html. Pentair trademarks and logos are owned by Pentair plc or its affiliates. Third party registered and unregistered trademarks and logos are the property of their respective owners.

© 2020 Pentair Residential Filtration, LLC. All rights reserved.

4004630 Rev B JA20