

# FLECK 2815 COMMERCIAL

## 1-1/2 INCH STAINLESS STEEL CONTROL VALVE



Tested and Certified by the WQA to NSF/ANSI/CAN 61 for Material Safety only and NSF/ANSI 372 for Lead Free compliance and CSA B483.1



WATER SOFTENER VALVE

### AiQ POWERHEAD

The Pentair Fleck AiQ Powerhead sets a new industry benchmark with its modern design and innovative features.

| FEATURES                                                                 |   | BENEFITS                                                                         |
|--------------------------------------------------------------------------|---|----------------------------------------------------------------------------------|
| Wrap-around status light bar                                             | → | Quick visibility in various applications                                         |
| USB-C port with modular 4-step teardown                                  | → | Easy programming, data management, and quick access to all parts for maintenance |
| Twist-off controller, hinge/screw cover removal, and handle on backplate | → | Simplified servicing, maintenance, and handling                                  |
| Wireless connection for up to 16 valves                                  | → | Placement flexibility with less wires to manage                                  |

### FEATURES • BENEFITS

- ◆ 316 grade stainless steel valve body for superior strength and durability
- ◆ Designed for single or multiple tank systems
- ◆ Hydraulically-balanced composite piston for durable sealing and performance
- ◆ One-piece seal and spacer cartridge simplifies service
- ◆ Seals and components are hot water rated up to 150°F, meaning no additional components needed

### AiQ HUB

The AiQ Hub provides additional features to create multi-tank, coordinated systems.

| FEATURES                                                     |   | BENEFITS                                                                       |
|--------------------------------------------------------------|---|--------------------------------------------------------------------------------|
| Wired and wireless connectivity                              | → | Seamless, scalable communication between AiQ valves                            |
| BACnet and Modbus protocol support                           | → | Full building management system (BMS) compatibility for enterprise integration |
| Hub pushes programming to other valves                       | → | Program once, deploy to all                                                    |
| Remote regen, system lockout and additional relays available | → | Enables additional functionality to meet the needs of most applications        |

Visit [pentair.com/aiq](https://pentair.com/aiq) to learn more

## 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<br>15 psi (1.0 bar) drop    | 70 GPM (265.0 LPM) |
| Peak<br>25 psi (1.7 bar) drop          | 90 GPM (340.7 LPM) |
| Cv<br>flow at 1 psi (0.07 bar) drop    | 18 GPM (68.1 LPM)  |
| Max. Backwash<br>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%<br>(2.6 - 151.4 LPM) |
| 1-1/2" Paddle:       | 1.5 - 75 GPM ± 5%<br>(5.7 - 283.9 LPM) |
| Meter Capacity Range |                                        |
| XTR2:                | 1 - 9,999,999 gal<br>(0-99,999 m³)     |
| NXT2:                | 1 - 9,999,999 gal<br>(0-99,999 m³)     |
| SXT:                 | 1 - 999,900 gal<br>(0 - 3,785 m³)      |
| 1" EM Standard:      | 310 - 5,270 gal<br>(1.2 - 20 m³)       |
| 1" EM Extended:      | 1,550 - 26,350 gal<br>(6 - 100 m³)     |

## METER INFORMATION (continued)

|                      |                                     |
|----------------------|-------------------------------------|
| Meter Capacity Range |                                     |
| 1-1/2" EM Standard:  | 625 - 10,625 gal<br>(2.5 - 40 m³)   |
| 1-1/2" EM Extended:  | 3,125 - 53,125 gal<br>(12 - 200 m³) |

EM = Electromechanical

## DIMENSIONS

|                                           |                                                |
|-------------------------------------------|------------------------------------------------|
| Distributor Pilot/<br>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<br>Top of Tank                | 9" (229 mm)                                    |
| Riser Height                              | 0.25" (6.3 mm) below<br>flush ± 0.25" (6.3 mm) |

## TYPICAL APPLICATIONS

|                |                                                          |
|----------------|----------------------------------------------------------|
| Water Softener | 14 - 36" (356-914 mm)<br>diameter                        |
| Filters        | 14 - 30" (356-762 mm)<br>diameter based on<br>10 GPM/ft² |

## ADDITIONAL INFORMATION

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



Pentair Residential Filtration, LLC

13845 Bishops Dr. | Suite 200 | Brookfield, WI 53005 | United States

P: 262.238.4400 | Customer Service: 800.279.9404 | [tech-support@pentair.com](mailto:tech-support@pentair.com) | [pentair.com](http://pentair.com)

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