

FLECK 2815 AIQ SPECS

COMMERCIAL 1 1/2" CONTROL VALVE

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

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 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	

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	



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)

Meter Capacity Range

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)

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