

FLECK INDUSTRIAL VALVE 2910

Featuring Advanced-IQ
controller & powerhead



2910 AiQ

Featuring AiQ controller, powerhead & wireless connectivity



Industrial-Grade Control Valve

The Fleck 2910 is a RoHS and REACH compliant brass valve engineered for strength and reliability. Its advanced 2-piston technology independently manages service and regeneration flows for demanding industrial and multi-valve applications.



AiQ Powerhead

Smarter setup. Easier servicing.

The Pentair Fleck AiQ Powerhead combines an intuitive controller with a modular design for faster installation, simple programming via the controller or USB, and streamlined maintenance.



Wireless Connectivity

Up to 16 valves

Built-in wireless connectivity enables up to 16 AiQ valves to operate as a coordinated system, providing greater installation flexibility and easier deployment in complex applications.



Optional AiQ Hub

Advanced connectivity and control

Extend AiQ capabilities with remote regeneration, lockout functionality, BACnet or Modbus BMS integration, salinity sensor compatibility and additional network connection options.

FEATURES AND BENEFITS

AIQ POWERHEAD

- ▶ **Fewer SKUs & common parts**
Only one controller simplifies inventory management
- ▶ **Twist-off controller, hinge/ screw cover removal, and handle on backplate**
Simplified servicing, maintenance, and handling
- ▶ **Modular powerhead design with accessible connections**
Enables a simple 4-step to install and teardown, with secure, locking connectors for clean wiring
- ▶ **Easy access to diagnostics & settings**
Quickly identify and resolve issues
- ▶ **Customizable support information via USB-C**
Add a custom logo and contact info to the display
- ▶ **Price will be simplified, staying in the range of EM/SXT/NXT2 basic to allow for maintaining market strategy**
One price only instead of multiple price level
- ▶ **Full-color display with quick start menu and intuitive menu structure with multilanguage**
Easy to read and fast to configure: clear terminology and logical navigation in multiple language
- ▶ **Benchmark programming**
Program before install using just the cover
- ▶ **Wireless connection for up to 16 AiQ valves**
Placement flexibility with less wires to manage

▶ Efficient Data Transfer, Custom Programming and Field-Updateable Controller, Customizable support information via USB-C

The USB-C port facilitates programming, data transfer, usage history retrieval, software updates, diagnostics, and troubleshooting, possibility to add custom logo and contact info to the display

AIQ HUB

- ▶ **Wired and wireless connectivity**
Seamless, scalable communication between AiQ valves
- ▶ **Hub pushes programming to other valves**
Program once, deploy to all
- ▶ **BMS port for BACnet and Modbus protocol support**
Full building management system (BMS) compatibility for enterprise integration
- ▶ **Remote regeneration capability, system lockout functionality, and additional relay ports enhance control, security, and connectivity**
Provides greater convenience, prevents unauthorized changes, and enables seamless integration with external systems
- ▶ **Salinity sensor compatibility**
Additional monitoring capabilities

OPERATING SPECIFICATIONS

Valve specifications	
Valve material	Brass
Hydrostatic pressure	20 bar
Working pressure	1.8 – 8.5 bar
Working temperature	1 – 43 °C
Controller Operating Voltage	24 VDC (requires use of Pentair Water supplied ac/dc power supply)
Power supply	100 to 240 VAC; 50/60 Hz
Protection index	IP 23

Flow rates (3.5 BAR INLET) – Valve Alone	
Continuous ($\Delta p = 1$ bar)	24 m ³ /h
Peak ($\Delta p = 1.8$ bar)	31 m ³ /h
CV*	27 gpm
Maximum backwash ($\Delta p = 1.8$ bar)	8 m ³ /h

* Cv: Flow rate of valve alone in gpm at 0.07 bar pressure drop.

Down Flow Regeneration	
	Electronic
Cycles	Adjustable
Time available	0-240 min each cycle

Connections – Dimension	
Inlet / outlet	2" BSP
Distributor tube	50 mm (DN 40)
Riser tube cut: Target / Max / Min	0.25" below top of tank / Flush with top tank / 0.75" below
Drain line	1" – 11 NPT
Brine line (1850)	3/8"
Brine line (1710)	1/2"
Mounting base – Top	4" – 8 thread UN
Height (from the top of tank)	262 mm
Tank size application (recommended)	
Water softener	14 – 36" (350 – 914 mm)
Filters	14 – 24" (350 – 609 mm)

Regeneration Cycles	
Down flow	
1. Backwash	
2. Brine & slow rinse	
3. Rapid rinse	
4. Brine tank refill	
5. Service	

Options	
No water during regeneration	NBP
Mounting	Side mount
Hot water	65°C time clock / meter



www.pentair.eu

All indicated Pentair trademarks and logos are property of Pentair. Third party registered and unregistered trademarks and logos are the property of their respective owners.

MKT-TS-216-EN-A © 2026 Pentair. All rights reserved.