PENTAIR
WATER SOLUTIONS

FLECK ADVANCED-iQ (AiQ)

CONTROLLER & POWERHEAD



IT'S EASIER THAN EVER TO MEET YOUR NEEDS

The Pentair Fleck AiQ Powerhead sets a new industry benchmark with its modern design and innovative features — leaving traditional valves behind. Experience effortless installation and setup with the intuitive controller interface, and wireless connectivity for up to 16 AiQ valves. Maintenance has never been easier, thanks to the modular design that reduces powerhead teardown steps, saving you time and effort.

FEATURES		BENEFITS
Lightweight and compact	→	Easier to handle, ship, and store
Modular powerhead design	→	Simple 4-step process to install and teardown
Backplate hook	→	Convenient place to rest the cover during service or installation
Easy grip handle	→	Straightforward handling of the powerhead during installation or maintenance
Full-color display with quick start menu	→	Easy to read and fast to configure
Benchtop programming	→	Program before installation using just the controller
Efficient data transfer and custom programming	→	The USB-C port facilitates programming, data transfer, usage history retrieval, software updates, diagnostics, and troubleshooting
Intuitive menu structure	→	Precise terminology and logical navigation
Flash programming	→	Efficiently program multiple valves with pre-defined configurations or water-specific profiles using simple Excel files
Field-updateable controller	→	Keep systems current without replacing hardware
Modern and functional design with wrap-around status light bar	→	Clear status indicator and enhanced visibility
Custom branding and contact info on display	→	Support information can be made easily accessible to customers
Meets environmental ratings (NEMA3R/IP54)	→	Reliable performance in harsh environments, outdoors or wet conditions
Wireless connection for up to 16 AiQ valves	→	Placement flexibility with less wires to manage

Visit pentair.com/aiq to learn more

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HUB

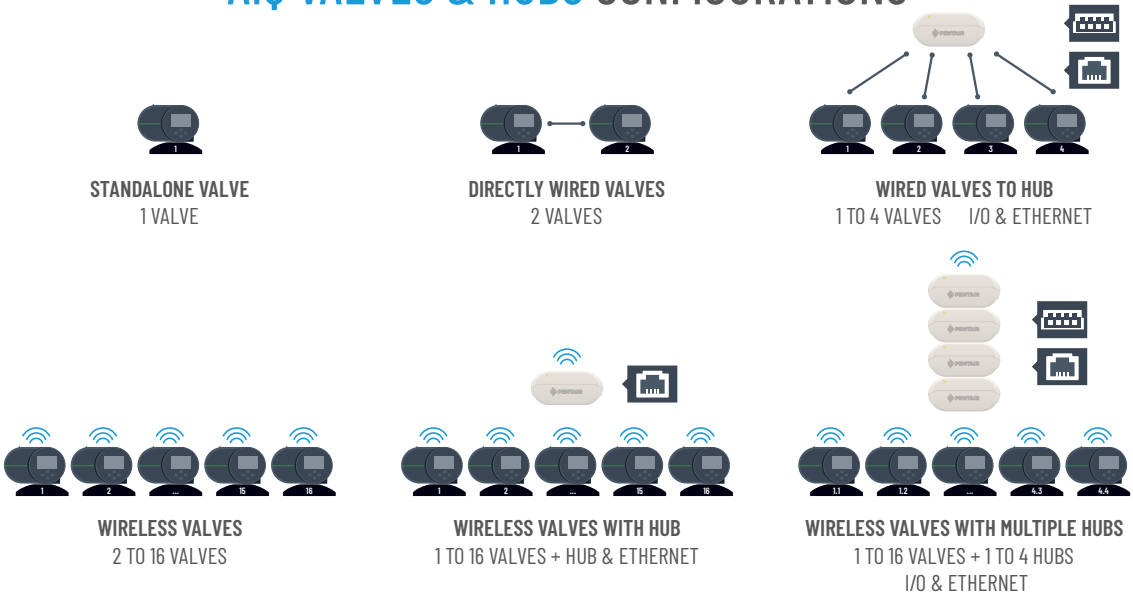


ENHANCE AiQ WITH THE HUB

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

FEATURES	BENEFITS
Wired and wireless connectivity →	Seamless, scalable communication options 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 regeneration capability →	Added convenience and control
System lockout functionality →	Helps prevent unintended changes or operation
Additional relay ports →	Expanded system integration
Ethernet port →	More network connection options
Salinity sensor compatibility →	Increased efficiency using only salt needed to regenerate
Automatic tank reconfigure →	Labor savings on reprogramming system

AiQ VALVES & HUBS CONFIGURATIONS



STANDALONE VALVE
1 VALVE

DIRECTLY WIRED VALVES
2 VALVES

WIRED VALVES TO HUB
1 TO 4 VALVES I/O & ETHERNET

WIRELESS VALVES
2 TO 16 VALVES

WIRELESS VALVES WITH HUB
1 TO 16 VALVES + HUB & ETHERNET

WIRELESS VALVES WITH MULTIPLE HUBS
1 TO 16 VALVES + 1 TO 4 HUBS
I/O & ETHERNET

PENTAIR
WATER SOLUTIONS

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