

Electronic Pressure Independent Valve (ePIV)

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The Best Pressure Independent Valve to Manage Flow

The ePIV is a 2-way pressure independent characterized control valve with an integrated electronic flow meter and a powerful control algorithm. The ePIV maintains flow set point regardless of differential pressure variations. It achieves this with its powerful algorithm that modulates the valve based on its measured True Flow.

- Compensates for pressure variations and perform dynamic balancing to maintain system performance at varying loads.
- Valves are selected based on coil flow rate. No Cv calculations are needed.
- Maintains pressure independent operation down to 1 psid.
- Unlike mechanical pressure independent valves that provide an approximated/calculated flow feedback, the built-in electronic flow meter provides True Flow as a feedback to BAS systems.
- Built-in CCV technology with high close-off pressure and zero leakage eliminates “ghost energy” losses in the system.
- ZTH US handheld tool provides fast and easy access to settings and values.



**EXPERIENCE
EFFICIENCY**

BELIMO®

Compact Performance Solution

Electronic flow logic



Tight close-off 0% leakage characterized control valve

Integrated ultrasonic flow measurement

Energy Efficient

- Continuous balancing eliminates overflow of coil, reducing pumping costs.

Simplified Field Adjustments

- Easily modify maximum flow rate.
- Analog feedback can be set to flow or valve ball position.
- Ability to change valve flow characteristic (equal percentage or linear).

Easy Installation

- All components combined in a complete package.

Time Saving

- Using the ZTH US handheld tool; field commissioning and balancing is drastically simplified.

Product Range		Valve Nominal Size		Type	Suitable Actuators	
Valve Type	GPM Range	Inches	DN [mm]	2-way	Non-Spring Return	Electronic Fail-Safe
NPT	1.65 - 5.5*	½	15	P2050S	LRX24-EP	AKRX24-EP
	6 - 10.3*	¾	20	P2075S		
	11.1 - 18.2*	1	25	P2100S		
	18 - 28.5*	1¼	32	P2125S	NRX24-EP	
	26.1 - 39.6*	1½	40	P2150S		
	32.7 - 76.1*	2	50	P2200S	ARX24-EP	
Flanged	80 - 127*	2½	65	P6250S	ARX24-PI	AKRX24-PI
	133 - 180*	3	80	P6300S	GRX24-PI	GKRX24-PI
	195 - 317*	4	100	P6400S		
	335 - 495*	5	125	P6500S		
	515 - 713*	6	150	P6600S		



1100 Peachtree, Atlanta, Georgia

"We fully expect to see the efficiency of the building to improve and electric bills to decrease," said Roger Bennett of WayPoint Systems.



Sonoma State University, Sonoma, California

Principal engineer, Tony Costa says "...improve the control range of the valve, and you'll reduce overall energy consumption of the system."



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