



Combined Pressure Independent Flow Limiter and Control Valve

Nexus Valve's Dynamic PICV offers a new and innovative range of balancing valves that operate independently of changes in system pressure in water-based cooling or heating systems. The Dynamic can operate either as a pressure independent control valve when an actuator is added, or alternatively without the actuator as an externally adjustable automatic flow limiter. The Dynamic's unique design allows for direct flow readings- an industry first.

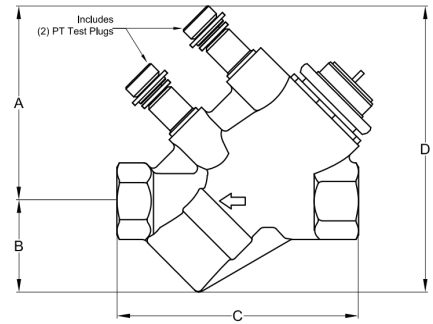
Adjusting the flow rate is easy and simple with the included pre-setting tool. An integrated regulator maintains a constant differential pressure across the valve opening. The required flow is thereby kept constant regardless of pressure changes in the system.

An integrated Venturi nozzle enables direct flow reading. When presetting the valve, the flow can be read directly on a flow meter. This ensures that the valve is set precisely to the designed flow within the 3% tolerance. The Dynamic's actuator has 100% control authority regardless of the presetting and thus reacts instantly to the signal from the BMS and adjusts the flow accordingly.



Features:

- Available in 1/2" - 2" sizes
- Built-In Venturi
- Externally Field Adjustable Flow Rate
- NPT or NexPress Connections
- On/Off or Modulating Actuators
- 5 Year Warranty



Size	Dimensions (inches)				Part Number
	A	B	C	D	
1/2"	2.99	1.38	3.74	4.37	ND050
3/4"	3.27	1.93	4.72	5.20	ND075
1"	3.19	2.20	5.00	5.39	ND100
1 1/4"	3.43	2.83	6.06	6.26	ND125
1 1/2"	5.02	3.33	7.46	8.35	ND150
2"	4.92	3.34	7.68	8.26	ND200