

**PRODUCT BULLETIN**  
**Pressure Independent Valve, PICCV-F**

**PB-88**  
**September 17<sup>th</sup>, 2013**

**Sales Release – PICCV Assemblies Offered With Flow Verification Orifice For “Field Set” Models**

**Summary:** Effective September 17th, a flow verification orifice device is offered on Pressure Independent Characterized Control Valve™ (PICCV) models designated with a –F in the valve body part number. The flow verification orifice is used to validate flow rate and help users adjust the maximum “field set” flow of a PICCV when motorized with UL Agency approved actuators LRB24-SA and KRB24-3. These assemblies deliver flow validation and customization at very attractive price points.

The flow verification orifice device is factory piped in series with the PICCV and creates a measureable differential pressure relative to the flow rate of the valve. The device includes pressure taps for high and low pressure connections to a differential pressure gauge. The gauge reading is referenced to a published chart to determine the flow rate. This method of validating flow is an industry standard practice that is quick and easy.



All PICCV assemblies with flow verification orifice are motorized with proportional control LRB24-SA or floating point control KRB24-3 actuators. They are shipped from the Belimo factory with default flow setting equal to the maximum Gallons Per Minute (GPM) rating of the valve body. When the coil design GPM is less than the PICCV factory default, the user must manually set the actuator travel limit to match the flow rate of the coil. The travel limit of the LRB24-SA is set with a simple electronic push button and the KRB24-3 is set mechanically with a fine tooth gear travel limit mechanism. The new “field set” PICCV maximum flow rate is validated with the flow orifice methodology. The table below illustrates the new PICCV flow orifice assembly combinations and list price as per page 7-2 of the [electronic version of the PGPL](#), September 2013 edition.

PICCV with Flow Orifice and “Field Set” Non-Spring Return Actuator LRB24-SA or KRB24-3					
	PICCV Model Assembly #	GPM Range	Inches	DN (mm)	List Price
Proportional	P2050B010-F+LRB24-SA	0...(0.5-1.5)	½	15	\$650.00
	P2050B025-F+LRB24-SA	0...(1.6-3.0)	½	15	\$650.00
	P2050B055-F+LRB24-SA	0...(3.0-5.6)	½	15	\$650.00
	P2075B100-F+LRB24-SA	0...(5.7-10)	¾	20	\$678.00
	PICCV-25-016-F+LRB24-SA	0...(11-16)	1	25	\$810.00
	PICCV-25-021-F+LRB24-SA	0...(17-21)	1	25	\$810.00
Floating	P2050B010-F+KRB24-3	0...(0.5-1.5)	½	15	\$470.00
	P2050B025-F+KRB24-3	0...(1.6-3.0)	½	15	\$470.00
	P2050B055-F+KRB24-3	0...(3.0-5.6)	½	15	\$470.00
	P2075B100-F+KRB24-3	0...(5.7-10)	¾	20	\$495.00

[LR submittals](#) and [instruction sheets](#), [KR submittals](#) and [instruction sheets](#) as well as [technical documentation](#) are all located online at [www.belimo.us](http://www.belimo.us).

Contact Customer Service or Technical Support for assistance or further information in Danbury 800-543-9038, Sparks 800-987-9042, Canada 866-805-7089 or Brazil + 55 11 3643-5656.