

Product data sheet

Specifications



SmartX, PIBCV Valve, 10 mm (3/8 in), 2-Way, G External Thread, 0.03 to 0.15 m³/h (0.13 to 0.66 gpm), Water and Glycol

VP228E-10BQL

Main

Valve product range	SpaceLogic
Product or component type	Valve
Valve type	Pressure independent
Valve product series	VP228E
Device application	Fan coil unit Radiation panel Terminal unit
Medium compatibility	Glycol 25 % Glycol 30 % Glycol 50 % Water
Valve configuration	2-Way
Valve connection type	G External
Body size	10 mm (3/8 in)
Pipe size	10 mm
Flow characteristic	Linear
Pressure allowable static	16 bar, 200 psi up to 150 °F
Pressure class	PN16 ANSI class 125
Operating fluid temperature	-10...120 °C
Pressure fluid max delta P normal life	399.90 kPa
Flow rate minimum (gpm)	0.13 gal(US)/min
Flow rate maximum (gpm)	0.66 gal(US)/min
Flow rate minimum (lps)	0.01 l/s
Flow rate nominal (lps)	0.04 l/s
Flow rate nominal (m ³ /h)	0.14 m ³ /h
Flow rate maximum (lps)	0.05 l/s
Flow rate minimum (m ³ /h)	0.03 m ³ /h
Flow rate maximum (m ³ /h)	0.18 m ³ /h
Pressure differential minimum (kPa)	16 kPa

Pressure differential maximum (kPa)	600 kPa
Pressure differential minimum (psi)	2.32 psi 2.32 psi
Pressure differential maximum (psi)	87 psi 87 psi
Control valve rangeability	1000:1
Stroke length	2.25 mm
Seat leakage	Port A: Class IV (0.01 %)
Accuracy setting knob	5 %
Stem movement	Linear
Body material	CW602N brass
Seat material	Port A: brass
Stem material	Stainless steel
Stem seal material	EPDM (ethylene propylene diene monomer)
Material diaphragm	EPDM (ethylene propylene diene monomer)
Targeted region	Europe Asia Pacific. North America. Australia.

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	401 g
Package 1 Height	9.9 cm
Package 1 width	9.3 cm
Package 1 Length	9.3 cm

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
California proposition 65	WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm - www.P65Warnings.ca.gov