

VP220F-50CQS

SpaceLogic VP220F PIBCV (PICV), 2-Way, PN16, DN50, Flanged, Standard Flow: 5.0...12.5 m³/h (1.4...3.5 l/s).



Main

Valve product range	SpaceLogic
Product or component type	Valve
Valve type	Pressure independent
Valve product series	VP220F
Device application	Air handling unit Fan coil unit Radiation panel Terminal unit
Medium compatibility	Glycol 25 % Glycol 30 % Glycol 50 % Water
Valve configuration	2-Way
Valve connection type	Flanged
Body size	50 mm (2 in)
Pipe size	50 mm
Flow characteristic	Linear
Pressure allowable static	16 bar
Pressure class	PN16
Operating fluid temperature	-10...120 °C
Pressure fluid max delta P normal life	399.90 kPa
Flow rate minimum (gpm)	22 gal(US)/min
Flow rate nominal (gpm)	55 gal(US)/min
Flow rate maximum (gpm)	55 gal(US)/min
Flow rate minimum (lps)	1.40 l/s
Flow rate nominal (lps)	3.47 l/s
Flow rate nominal (m³/h)	12.5 m³/h
Flow rate maximum (lps)	3.47 l/s
Flow rate minimum (m³/h)	5 m³/h
Flow rate maximum (m³/h)	12.5 m³/h
Pressure differential minimum (kPa)	30 kPa
Pressure differential maximum (kPa)	600 kPa
Pressure differential minimum (psi)	4.35 psi 4.35 psi
Pressure differential maximum (psi)	87 psi 87 psi
Control valve rangeability	1000:1
Seat leakage	Port A: 0.05% of Qnom
Accuracy setting knob	5 %
Stem movement	Linear
Body material	Grey cast iron GG-25
Seat material	Port A: stainless steel AISI 303
Stem material	Stainless steel
Stem seal material	EPDM (ethylene propylene diene monomer)
Material diaphragm	EPDM (ethylene propylene diene monomer)
Targeted region	Europe Asia Pacific. Australia.

Complementary

Flow rate maximum (lph)	12500 l/h
Flow rate minimum (lph)	5000 l/h
Flow rate nominal (lph)	12500 l/h

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	35.0 cm
Package 1 Width	35.0 cm
Package 1 Length	23.0 cm
Package 1 Weight	14.2 kg

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes