Product datasheet

Specifications



SpaceLogic VP220E PIBCV (PICV), 2-Way, PN16, G2 External Thread, DN40, 3.0...7.5 m³/h, 0.8…2.08 l/s.

VP220E-40CQS

Main

Valve product range	SpaceLogic
Product or component type	Valve
Valve type	Pressure independent
Valve product series	VP220E
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	G External
Valve connection size	G 2A
Body size	40 mm (1-1/2 in)
Pipe size	40 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	399.9 kPa
Flow rate minimum (gpm)	13.2 gal(US)/min
Flow rate nominal (gpm)	33 gal(US)/min
Flow rate maximum (gpm)	33 gal(US)/min
Flow rate minimum (lps)	0.80 l/s
Flow rate nominal (lps)	2.08 l/s
Flow rate nominal (m³/h)	7.5 m³/h
Flow rate maximum (lps)	2.08 l/s
Flow rate minimum (m³/h)	3 m³/h
Flow rate maximum (m³/h)	7.5 m³/h
Pressure differential minimum (kPa)	30 kPa
Pressure differential maximum (kPa)	600 kPa

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Pressure differential minimum (psi)	4.35 psi
Pressure differential maximum (psi)	87 psi
Close-off pressure	232 psi 1600 kPa
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. North America. Australia.

Complementary

Communication port type	T/P
Flow rate maximum (lph)	7500 l/h
Flow rate minimum (lph)	3200 l/h
Flow rate nominal (lph)	7500 l/h

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	52.4 cm
Package 1 Width	22.2 cm
Package 1 Length	15.6 cm
Package 1 Weight	7.32 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**

Use Again

Repack and remanufacture

End of life manual availability	**No need of specific recycling operations**
Removable battery	**No**
Take-back	**No**