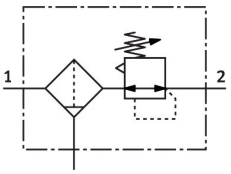
Filter regulator
PCRP-44-N12-12-E-R1-M-T18

Part number: 8120900



General operating condition

Data sheet

Feature	Value
Size	44
Series	P
Actuator lock	Adjusting screw with lock
Mounting position	Vertical +/- 5°
Grade of filtration	40 µm
Condensate drain	Manually rotating
Structural design	Filter regulator without pressure gauge
Conforms to standard	NACE MR0175/ISO 15156 (housing and bowl)
Max. condensate volume	12 ml
Controller function	With primary pressure compensation With secondary exhausting
Symbol	00991586
Pressure gauge	G1/4 prepared
Operating pressure	0.1 MPa ... 2 MPa
Operating pressure	1 bar ... 20 bar
Pressure regulation range	0.5 bar ... 12 bar
Max. pressure hysteresis	0.2 bar
Max. standard flow rate	2500 l/min
Normal nominal flow rate (normalized to DIN 1343)	1750 l/min
Explosion prevention and protection	Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Inert gas
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-20 °C ... 80 °C
Air quality class at the output	Compressed air as per ISO 8573-1:2010 [7:4:4]
Temperature of medium	-20 °C ... 80 °C
Ambient temperature	-20 °C ... 80 °C
Product weight	755 g
Type of mounting	With mounting kit
Pressure gauge connection	G1/4
Pneumatic connection 1	1/2 NPT
Pneumatic connection 2	1/2 NPT

Feature	Value
Drain screw material	High-alloy stainless steel
Drain screw material number	1.4404/316L
Material of filter support	POM
Note on materials	RoHS-compliant
Material of mounting bracket	High-alloy stainless steel
Seals material	CR NBR
Material of spring	High-alloy stainless steel
Compressed air filter material	PE
Housing material	Cast stainless steel
Material number of housing	1.4409/CF3M(316L)
Material of adjusting screw	High-alloy stainless steel
Material of bowl	Cast stainless steel
Bowl material number	1.4409/CF3M (316L)