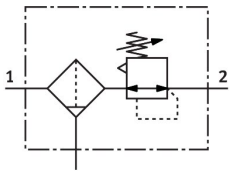
Filter regulator
PCRP-44-N12-12-E-R1-M-T19

Part number: 8120897





Data sheet

Feature	Value
Size	44
Series	P
Actuator lock	Regulating screw with locknut
Mounting position	Vertical ±5°
Grade of filtration	40 µm
Condensate drain	Manual, rotating
Structural design	Filter regulator without pressure gauge
Conforms to standard	NACE MR0175/ISO 15156 (housing and bowl)
Max. condensate volume	13 cm³
Controller function	With primary pressure compensation With secondary exhausting
Pressure gauge	Set up for G1/4
Operating pressure	0.1 MPa...2 MPa 1 bar...20 bar
Pressure regulation range	0.5 bar...12 bar
Max. pressure hysteresis	0.2 bar
Max. standard flow rate	2020 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	Compressed air as per ISO 8573-1:2010 [-:4:-] Inert gases
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
LABS (PWIS) conformity	VDMA24364 Zone III
Storage temperature	-60 °C...80 °C
Air quality class at the output	Compressed air as per ISO 8573-1:2010 [7:4:4]
Temperature of medium	-60 °C...80 °C
Ambient temperature	-60 °C...80 °C
Product weight	805 g
Type of mounting	Alternatively: In-line installation

Feature	Value
	With mounting kit
Pressure gauge connection	G1/4
Pneumatic connection 1	1/2 NPT
Pneumatic connection 2	1/2 NPT
Drain screw material	high-alloy stainless steel
Drain screw material number	1.4404/316L
Material of filter support	Cast stainless steel
Filter support material number	1.4409/CF3M(316L)
Note on materials	RoHS compliant
Material of mounting bracket	high-alloy stainless steel
Seals material	CR NBR VMQ
Material of spring	high-alloy stainless steel
Compressed air filter material	high-alloy stainless steel
Compressed air filter material number	1.4404/316L
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)