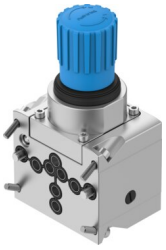
Filter regulator
PCRI-100-F90-12-E-T3

Part number: 8141657



Data sheet

Feature	Value
Actuator lock	Rotary knob with detent
Mounting position	Any
Grade of filtration	40 µm
Condensate drain	None
Structural design	Sub-base valve Directly controlled diaphragm regulator
Controller function	Constant output pressure With primary pressure compensation With secondary exhausting
Pressure gauge	Set up for G1/4
Operating pressure	0.1 MPa...0.9 MPa 1 bar...9 bar
Pressure regulation range	0.5 bar...8 bar
Max. pressure hysteresis	0.025 MPa 0.25 bar 3.625 psi
Normal nominal flow rate (normalized to DIN 1343)	1400 l/min
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [-:7:-] Inert gases
Information on operating and pilot media	Operation with oil lubrication not possible
Corrosion resistance class (CRC)	3 - High corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III
Air quality class at the output	Compressed air as per ISO 8573-1:2010 [7:7:-] Inert gases
Temperature of medium	-40 °C...80 °C
Ambient temperature	-40 °C...80 °C
Product weight	1950 g
Pneumatic connection	Sub-base design, airing
Note on materials	RoHS compliant
Cover material	Smooth-anodized wrought aluminum alloy (20 µm)
Seals material	EPDM

Feature	Value
	NBR
Rotary knob material	POM
Material of spring	Spring steel
Compressed air filter material	Protective grounding
Housing material	Smooth-anodized wrought aluminum alloy (20 µm)
Material of screws	high-alloy stainless steel