

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

Part number: 8141657

FESTO



 General operating condition

Data sheet

Feature	Value
Actuator lock	Rotary knob with detent
Mounting position	Any
Grade of filtration	40 µm
Condensate drain	Without
Structural design	Directly controlled diaphragm regulator
Controller function	Outlet pressure constant With primary pressure compensation With secondary exhausting
Pressure gauge	G1/4 prepared
Operating pressure	0.1 MPa ... 0.9 MPa
Operating pressure	1 bar ... 9 bar
Pressure regulation range	0.5 bar ... 8 bar
Max. pressure hysteresis	0.025 MPa
Max. pressure hysteresis	0.25 bar
Max. pressure hysteresis	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	Inert gas
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 gas
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 NBR
Rotary knob material	POM
Material of spring	Spring steel
Compressed air filter material	PE
Housing material	Smooth-anodized wrought aluminum alloy (20 µm)

Feature	Value
Material of screws	High-alloy stainless steel