

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

Part number: 8141656

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Actuator lock	Rotary knob with detent
Mounting position	Any
Grade of filtration	5 µm
Condensate drain	Without
Structural design	Sub base valve 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
Standard nominal flow rate	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 [6:7:-] 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

Feature	Value
Housing material	Smooth-anodized wrought aluminum alloy (20 µm)
Material of screws	High-alloy stainless steel