

# 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	optional
Grade of filtration	40 µm
Condensate drain	None
Design	Directly actuated diaphragm regulator
Controller function	Output pressure constant Via primary pressure compensation With secondary venting
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/4
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 (standardised to DIN 1343)	1400 l/min
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Inert gas
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance class CRC	3 - high corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Air purity class at output	Compressed air to ISO 8573-1:2010 [7:7:-] Inert gases
Media temperature	-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
Material cover	Smooth-anodised wrought aluminium alloy (20 µm)
Material seals	EPDM NBR
Material rotary knob	POM
Material spring	Spring steel
Material filter	PE
Material housing	Smooth-anodised wrought aluminium alloy (20 µm)

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Material screws	High-alloy stainless steel