

# 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	optional
Grade of filtration	5 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 [6:7:-] 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