

# Precision one-way flow control valve GRP-70-1/8-AL

Part number: 542022

FESTO

Serves for precise adjustment of the flow rate, with non-return function.



## Data sheet

Feature	Value
Valve function	One-way flow control function
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Type of actuation	manual
Adjusting element	Rotary knob with scale
Mounting type	On subbase
Standard nominal flow rate in flow control direction	40.7 l/min
Standard nominal flow rate in non-return direction	88 l/min
Working pressure	0 ... 8 bar
Ambient temperature	-10 ... 50 °C
Material housing	PA-reinforced
Assembly position	Any
Working pressure from 2 to 1	0 ... 8 bar
Standard nominal flow rate in flow control direction from 0.1-→0 MPa (1-→0 bar, 14.5-→0 psi)	19 l/min
Standard nominal flow rate in non-return direction from 0.1-→0 MPa (1-→0 bar, 14.5-→0 psi)	20 ... 60 l/min
Standard flow rate in flow control direction 0.6-→0 MPa (6-→0 bar, 87-→0 psi)	60 l/min
Standard flow rate in non-return direction at 0.6-→0 MPa (6-→0 bar, 87-→0 psi)	127 l/min
Operating medium	Compressed air to ISO8573-1:2010 [5:4:3] Inert gases
Note on operating and pilot medium	Lubricated operation not possible
PWIS conformity	VDMA24364 zone III
Medium temperature	-10 ... 50 °C
Product weight	110 g
Materials note	Conforms to RoHS
Material of connecting plate	Wrought Aluminum alloy
Material seals	NBR PVC
Material screws	Steel