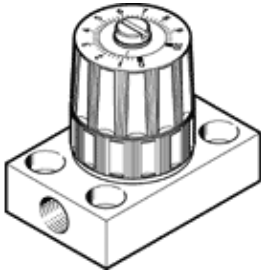


# precision one-way flow control valve GRP-160-1/8-AL

Part number: 542023

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 sub-base
Standard nominal flow rate in flow control direction	75.8 l/min
Standard nominal flow rate in non-return direction	245 l/min
Operating pressure	0 ... 8 bar
Ambient temperature	-10 ... 50 °C
Material housing	PA-reinforced
Assembly position	Any
Operating 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)	38 l/min
Standard nominal flow rate in non-return direction from 0.1-→0 MPa (1-→0 bar, 14.5-→0 psi)	25 ... 90 l/min
Standard flow rate in flow control direction 0.6-→0 MPa (6-→0 bar, 87-→0 psi)	129 l/min
Standard flow rate in non-return direction at 0.6-→0 MPa (6-→0 bar, 87-→0 psi)	245 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 Aluminium alloy
Material seals	NBR PVC
Material screws	Steel