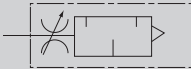


Metering valve with silencer

FMS/SMW Series

● Port size: M5 / R3/8 / R1/2

JIS symbol



Specifications

Item	FMS-M5	SMW-10A	SMW-15A
Working fluid	Compressed air		
Max. working pressure MPa	0.7 (≈100 psi, 7 bar)		
Min. working pressure MPa	0 (≈0 psi, 0 bar)		
Proof pressure MPa	1.05 (≈150 psi, 10.5 bar)		
Fluid temperature °C	5 (41°F) to 60 (140°F) (no freezing. *3)		
Ambient temperature °C	-10 (14°F) to 60 (140°F) (no freezing)		
Port size R	M5	3/8	1/2
Weight g	6	125	170
Cylinder bore size mm	ø6 to ø15	ø50 to ø100	ø50 to ø100
Dial value (needle position)	10	19	19
Noise reduction effect *2 dB	20 or more		
Flow rate *1 l/min (ANR)	250	1700	2600
Effective cross-sectional area mm ²	4	25	39

*1: Flow rate is the atmospheric pressure conversion at 0.5 MPa.
 *2: Noise reduction effect at maximum flow rate is shown.
 *3: Freezing may occur due to adiabatic expansion depending on the air quality (dew point).

How to order

FMS - M5

Ⓐ Port size

Code	Description
Ⓐ Port size	
M5	M5×0.8

Note: Sales unit is 2 pcs./bag.

SMW - 10A

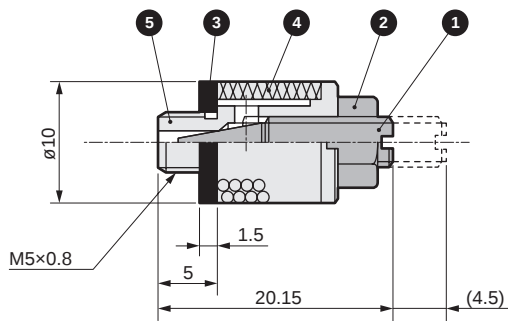
Ⓐ Port size

Code	Description
Ⓐ Port size	
10A	R3/8
15A	R1/2

Internal structure and parts list/dimensions

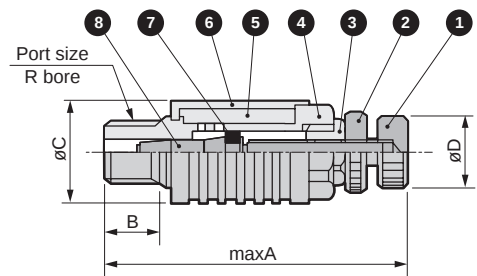


● FMS-M5



No.	Part name	Material
1	Needle	Copper alloy
2	Lock nut	Copper alloy
3	Gasket	Nitrile rubber
4	Filter	Copper alloy casting
5	Valve body	Copper alloy

● SMW-10A/15A

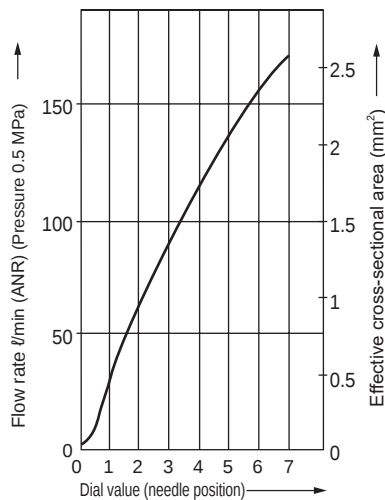


Model No.	A	B	C	D	Port size
SMW-10A	85	12	25	16	R3/8
SMW-15A	98	15	28	16	R1/2

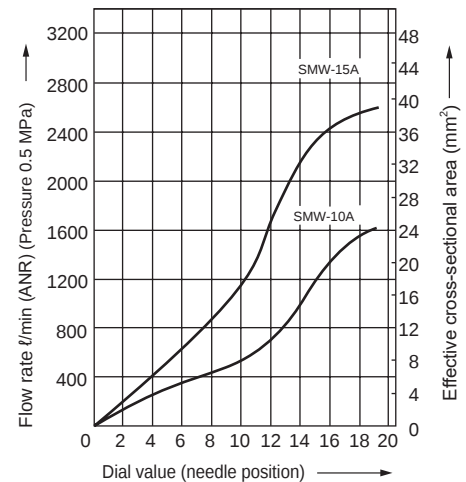
No.	Part name	Material	No.	Part name	Material
1	Knob	Copper alloy	5	Sound absorbent material	Felt
2	Lock nut	Copper alloy	6	Cover	Polyamide resin
3	Gland nut	Copper alloy	7	O-ring	Nitrile rubber
4	Shaft body	Copper alloy	8	Spindle	Copper alloy

Flow characteristics

● FMS



● SMW-10A/15A



⚠ Safety precautions

● Tightening torque

Thread size	Tightening torque (N·m)
M5	1.0
R3/8	3.0
R1/2	3.0

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdris FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending