

Metering Valve with Silencer Series ASN2

Superior sound reducing performance

Over 20 dB at max. flow rate

Cylinder speed easily set

Shape of needle is the same as that of speed controller

Retainer prevents accidental loss of needle



Model

Model	Port size	Effective area (mm ²)	Mass (g)
ASN2-M5	M5 x 0.8	1.8	5
ASN2-U10/32	10-32 UNF	1.8	5
ASN2-01	1/8	3.6	17
ASN2-02	1/4	6.5	34
ASN2-03	3/8	16.6	55
ASN2-04	1/2	24.5	107

Specifications

Proof pressure	1.5 MPa
Operating pressure range	0 to 1 MPa
Ambient and fluid temperature	- 5 to 60°C (No freezing)
Number of needle rotations	10 turns (8 turns ^{Note)})

Note) () is the case of ASN2-M5 and ASN2-U10/32.

How to Order

ASN2 - [] - [] - []

Option ^{Note)}

Nil	None
S	With seal

Note) M5 and U10/32 are not available with seals.

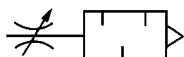
Port size

M5	M5 x 0.8
U10/32	10-32 UNF
01	1/8
02	1/4
03	3/8
04	1/2

Thread type

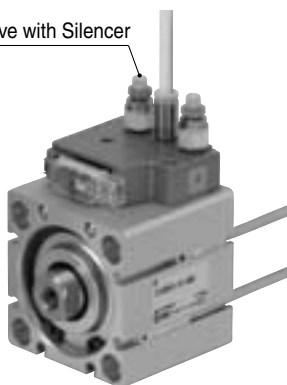
Nil	Metric thread (M5)
	Unified thread (10-32 UNF)
	R
N	NPT

JIS Symbol

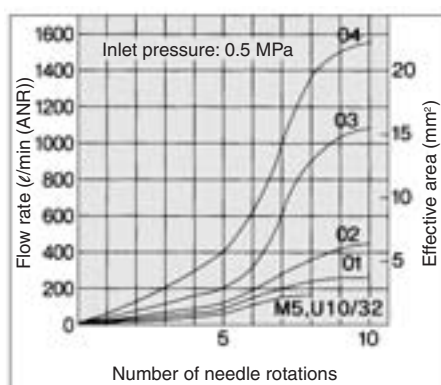


<Example of mounting>

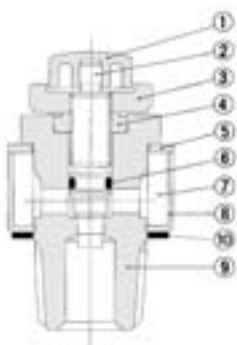
Metering Valve with Silencer



Needle Valve/Flow Characteristics



Construction

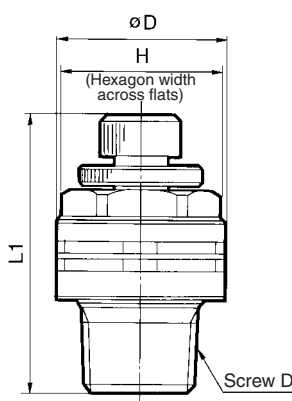


Component Parts

No.	Description	Material	Note
1	Handle	PBT	
2	Needle	Brass	Electroless nickel plated
3	Lock nut	Brass ⁽¹⁾	Electroless nickel plated
4	Needle guide	Brass	Electroless nickel plated
5	Washer	Carbon steel	Nickel plated
6	O-ring	NBR	
7	Silencer	PVA sponge	
8	Silencer cover	Soft polyethylene	
9	Body B	Brass	Electroless nickel plated
10	Gasket	NBR/Stainless steel	M5, U10/32 only

Note 1) ASN2-01/02 type is made of steel.

Dimensions



Dimensions

Model	Screw D	øD	L1 ⁽²⁾		H
			Min.	Max.	
ASN2-M5	M5 x 0.8	10	20.5	23.3	8
ASN2-U10/32	10-32 UNF	10	20.5	23.3	8
ASN2-01	1/8	15	29.1	34.1	12 (12.7)
ASN2-02	1/4	20	33.7	38.7	17 (17.5)
ASN2-03	3/8	25	35.9	40.9	19
ASN2-04	1/2	30	48.1	53.1	24 (23.8)

Note 1) (in parentheses) are the dimensions of "NPT" screw specifications.

Note 2) L1: Reference dimensions

⚠ Specific Product Precautions

Be sure to read before handling.
 Refer to front matters 58 and 59 for Safety Instructions and pages 412 to 414 for Flow Control Equipment Precautions.

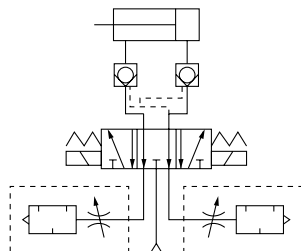
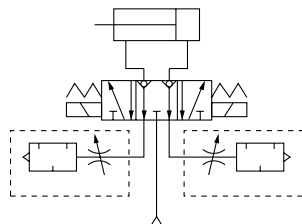
Selection

⚠ Warning

1. Example of inapplicable circuits

(a) Perfect Valve
 (VF66□□, VS7-6-FPG, VS7-8-FPG)

(b) Pilot check valve between Actuator and Valve



Residual pressure behind the exhaust needle may cause check valve malfunction in the Perfect Valve.

Residual pressure behind the exhaust needle may cause pilot check valve malfunction.

Installation

⚠ Warning

1. If installing flow controls to valve ports, interference may occur with the fittings. Please consult the catalog before installing.

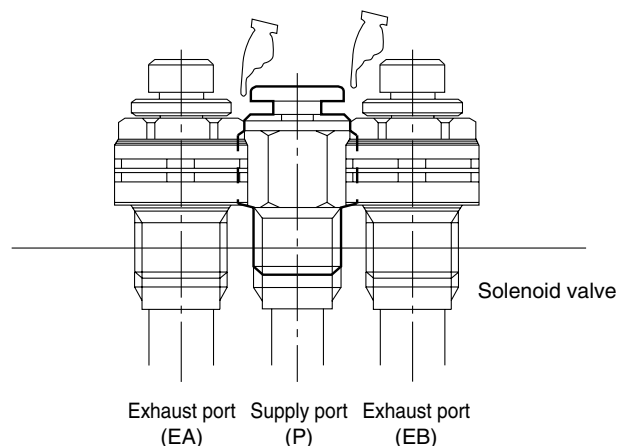


Fig. Example of the interference with fittings

AS
 ASP
ASN
 AQ
 ASV
 AK
 VCHC
 ASS
 ASR
 ASQ
 KE
 TMH