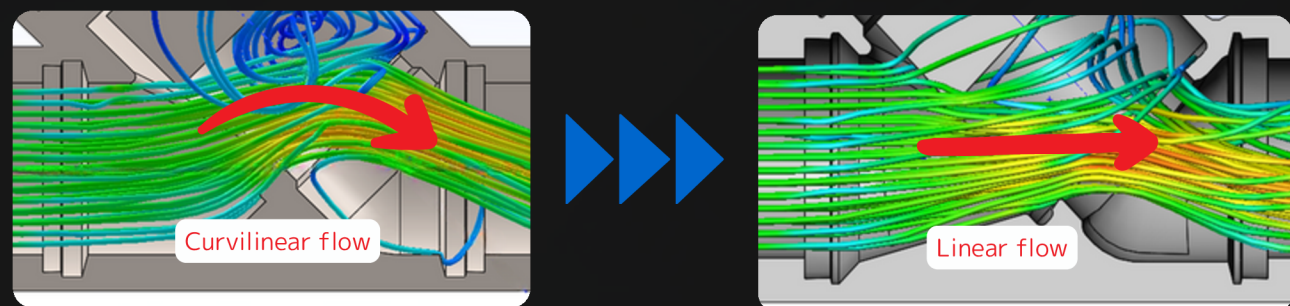


Large Flow Rate and Low Pressure Loss

With optimized flow path design
(Cv value: 1.4 times* compared to the conventional product)



Conventional product

ASV-1000 Series

* comparison by 25A

Plumbing work UP

The actuator can rotate 360 °.

The pilot port can be connected in any direction.



Easy Maintenance

Simply replace the actuator set

Applicable in Various Industries

Manufacturing system of alternative energy, foods, and beverage, as well as water treatment and chemical industry

Applicable to Various Fluids

Steam, water, air, oil, and other fluids

Please contact us when using ASV-1000 series for combustible fluid.

Ideal for manufacturers of alternative energy resources, foods, beverages, and others including heavy-duty applications.



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THE UNIQUE ANGLE SEAT STRUCTURE PROVIDES

OUTSTANDING DURABILITY !

NEW



ANGLE SEAT VALVE

ASV-1000 Series

YOSHITAKE

ANGLE SEAT VALVE

ASV-1000 Series

Unique Design with Outstanding Durability and Low Pressure Loss

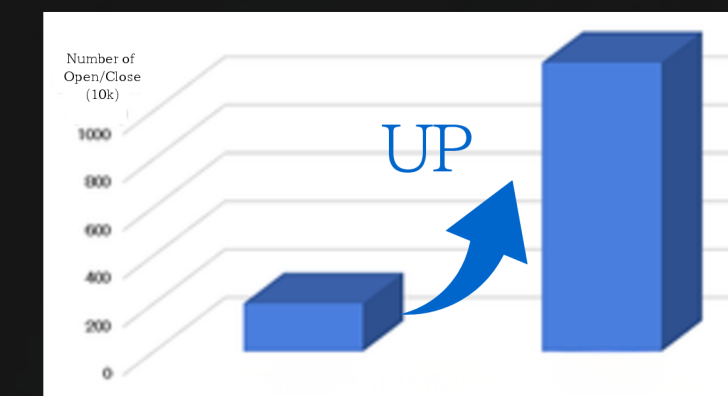
LONG SERVICE LIFE

and

HIGH DURABILITY

Durable with more than 10 million open/close actions *

* This is the case when the fluid is air or water under our test conditions, and does not guarantee the product life.



Conventional model ASV-1000

- **Significantly improved the countermeasure against external leakage**
With high-performance gaskets and enhanced sealing structure.

- **Excellent sealability and wear resistance of rod part**
With high-performance PTFE packing with high resistance to leakage. Mirror finish on rod surface and machined solidification increase wear resistance.

- **Improved valve' s sealability**
With excellent fit on seat surface due to cranked structure of the valve.

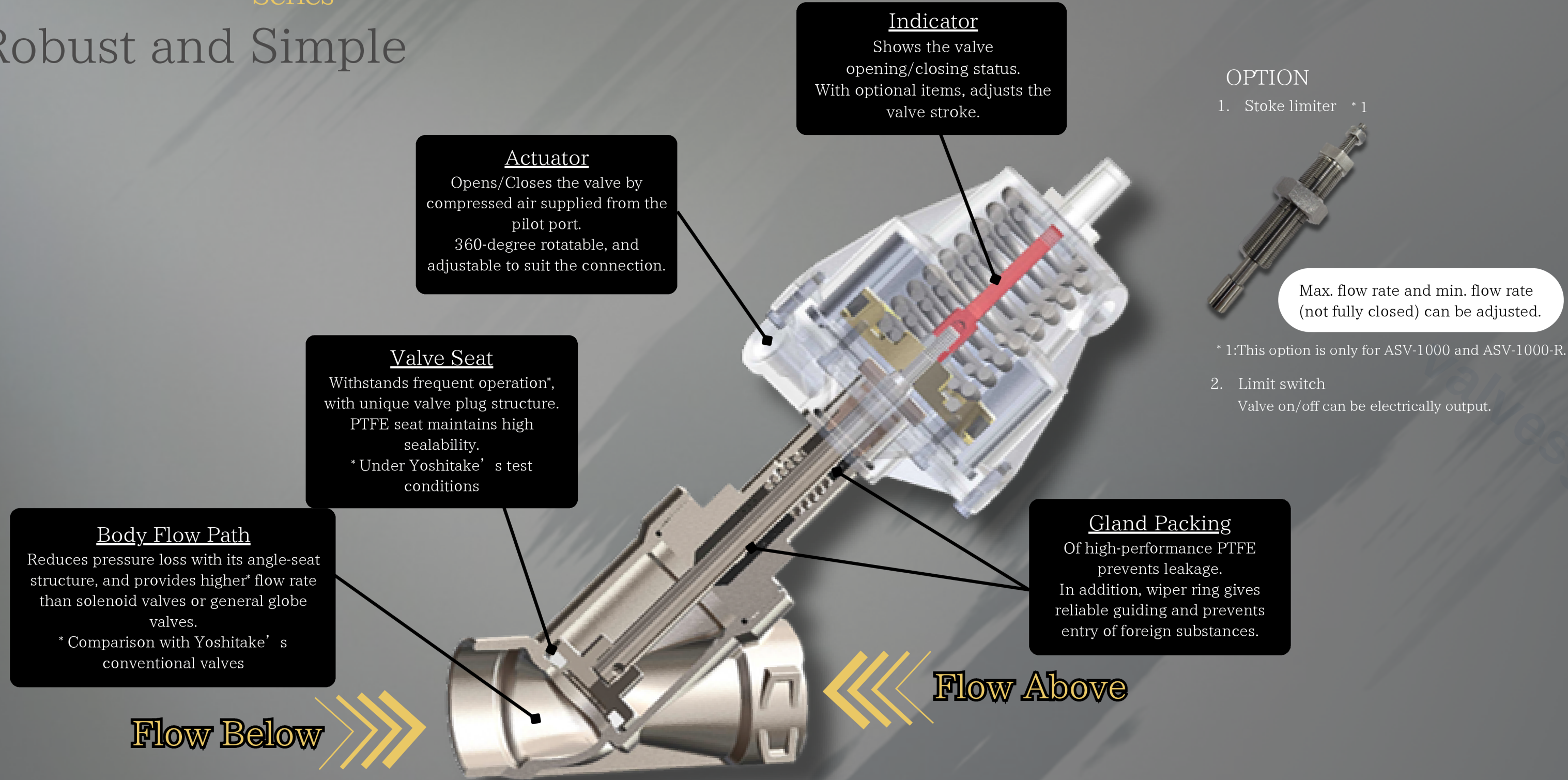
- **Optimized structure of pneumatic actuator**
With wear resistance and excellent sealability by using highly-reliable lip packing

Reliable Operation even under heavy-duty conditions

ANGLE SEAT VALVE

ASV-1000Series

Robust and Simple



ASV-1000, ASV-1000-C
Flow direction: Flow below the valve
Suppresses water hammer with the valve's closing direction against the fluid flow.

ASV-1000-R
Flow direction: Flow above the valve
Operates with lower pilot air pressure than ASV-1000 because the fluid flow assists the valve's closing.
Do not use ASV-1000-R for liquid because it may cause water hammer.

- OPTION
1. Stoke limiter * 1
-
- Max. flow rate and min. flow rate (not fully closed) can be adjusted.
- * 1: This option is only for ASV-1000 and ASV-1000-R.
2. Limit switch
- Valve on/off can be electrically output.

LINEUP

	ASV-1000	ASV-1000-R	ASV-1000-C
Flow direction			
Nominal size	15~50A	15~50A	15~50A
Operation	Normally close	Normally close	Normally open
Application	Steam, Air, Water, Oil, other fluids *1 (600cSt or less)	Steam, Air, other gases *1	Steam, Air, Water, Oil, other fluids *1 (600cSt or less)
Working temperature range	-30~200℃ (No freeze)	-30~200℃ (No freeze)	-30~200℃ (No freeze)
Ambient temperature range	-15~60℃	-15~60℃	-15~60℃
Max. working pressure	15A : 1.5MPa 20A : 1.5MPa 25A : 0.9MPa 32A : 0.9MPa 40A : 0.6MPa 50A : 0.3MPa	15A : 1.5MPa 20A : 1.5MPa 25A : 1.5MPa 32A : 1.2MPa 40A : 1.0MPa 50A : 1.0MPa	15A : 1.5MPa 20A : 1.5MPa 25A : 1.5MPa 32A : 1.2MPa 40A : 1.0MPa 50A : 1.0MPa
Pilot air pressure	15A~25A : 0.35~1.0MPa 32A~50A : 0.55~1.0MPa	See the chart *2	See the chart *3

Pilot air pressure is the compressed air pressure to supply to the actuator. Please keep the pilot air pressure 1.0 MPa or less.
*1 Please contact us when using ASV-1000 series for combustible fluid.

Dimensions

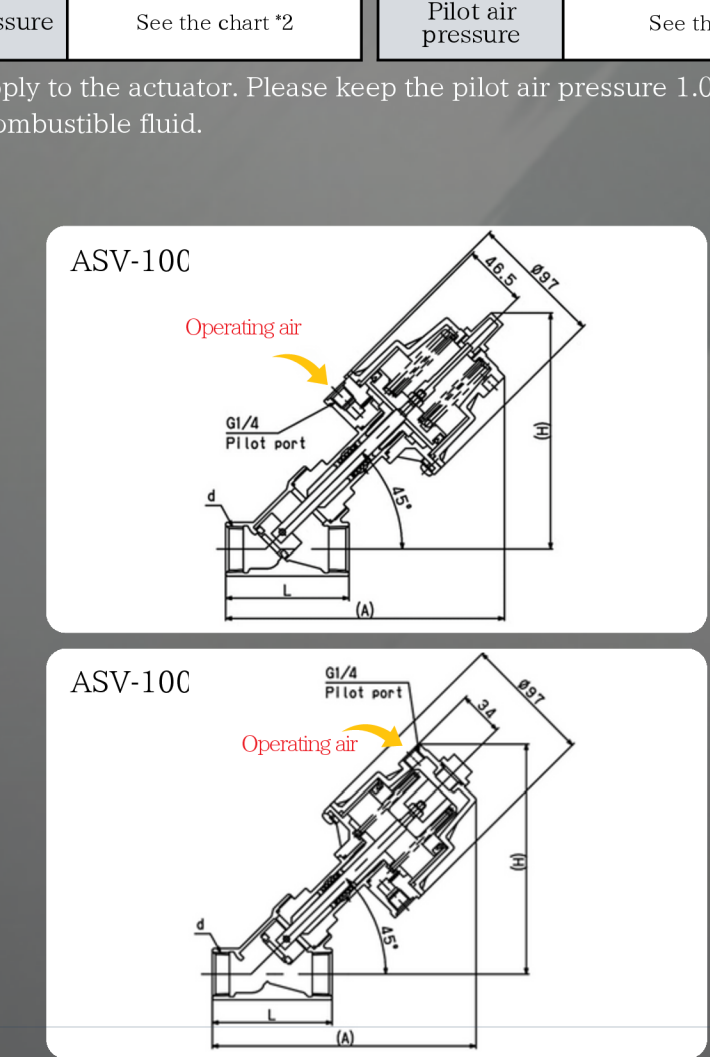
● ASV-1000, 1000-R (mm)

SIZE	d	L	A	H	CV
15A	Rc1/2	65	193	167	8.4
20A	Rc3/4	75	199	172	13.7
25A	Rc1	90	203	173	22.0
32A	Rc1 1/4	110	218	181	34.0
40A	Rc1 1/2	120	219	185	50.6
50A	Rc2	150	229	183	64.7

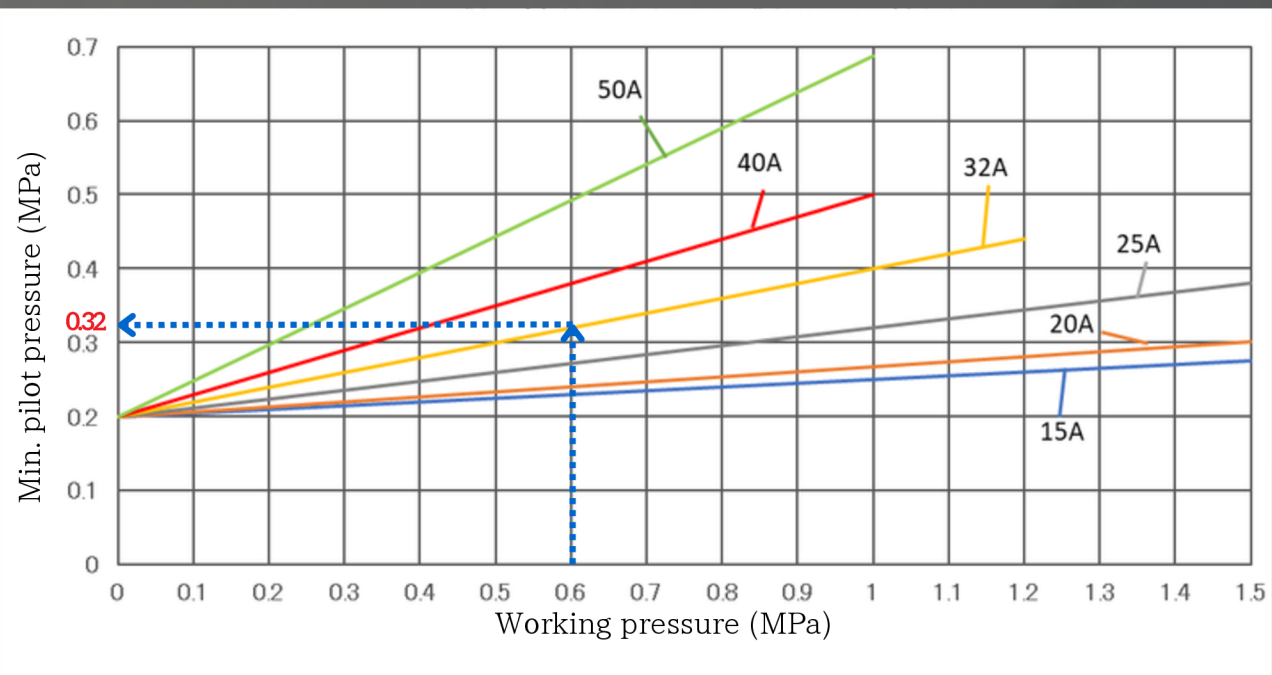
● ASV-1000-C (mm)

SIZE	d	L	A	H	CV
15A	Rc1/2	65	190	169	8.4
20A	Rc3/4	75	195	174	13.7
25A	Rc1	90	200	175	22.0
32A	Rc1 1/4	110	214	183	34.0
40A	Rc1 1/2	120	215	187	50.6
50A	Rc2	150	224	185	64.7

* NPT and flange connections are also available.

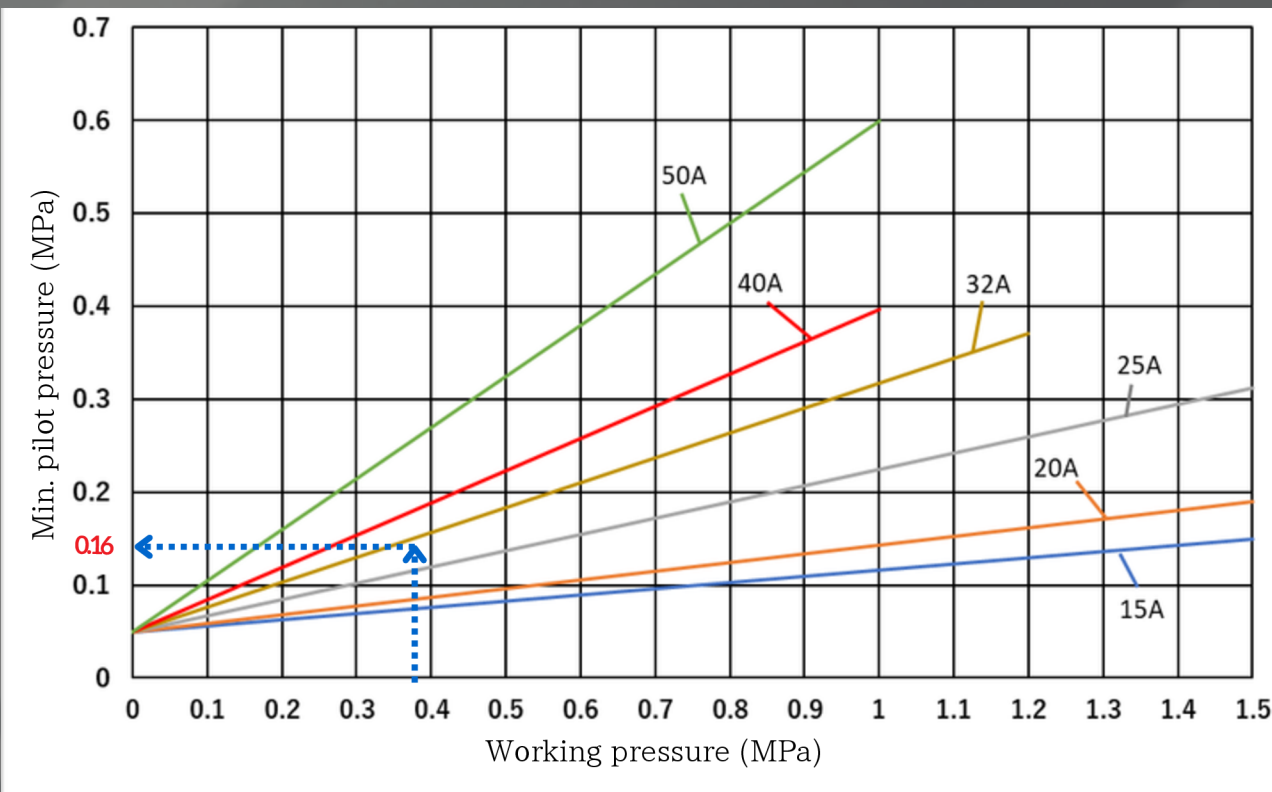


*2 ASV-1000-R Minimum pilot air pressure - Working pressure



· ASV-1000-R Pilot air pressure setting:
For ASV-1000-R, 32A, with working pressure of 0.6 MPa, the minimum pilot air pressure required to open the valve is 0.32 MPa.
On the other hand, the minimum pilot air pressure for ASV-1000, 32A, is always 0.55 MPa regardless of the working pressure.

*3 ASV-1000-C Minimum pilot air pressure - Working pressure



· ASV-1000-C Pilot air pressure setting:
For ASV-1000-C, 32A, with working pressure of 0.4 MPa, the minimum pilot air pressure required to open the valve is 0.16 MPa.

Caution: Do not supply any fluid other than air to the actuator.