

Grease-free specifications.

The diaphragm completely separates the flow path and sliding part.
Prevents the entry of oil or foreign matter
Diaphragm cylinder valve LAD/NAD Series.

Sliding part separated from flow path

Cylinder and flow path are completely separated by the diaphragm.
The flow route needs no grease since it has no sliding piston rod.

Compatible with various fluids

Compatible with various fluids including general fluids, nitrogen gas and pure water.

Compact and handles large flow rate

Not Subject to the Export Trade Control Order

Does not apply to any material combination available.

LAD Series



Lightweight

Keeps weight low by adopting the resin (PPS) actuator.

With flow rate adjustment (option)

Saves space by integrating the flow rate adjustment mechanism into the body.



Body and seal material options

Two body options available

PPS body

Metal-free flow path.

Stainless steel body

Usable with metal piping that requires antistatic properties and ideal for controlling organic solvents.

Two sealant options available

PTFE diaphragm

With a solid record in the semiconductor industry.

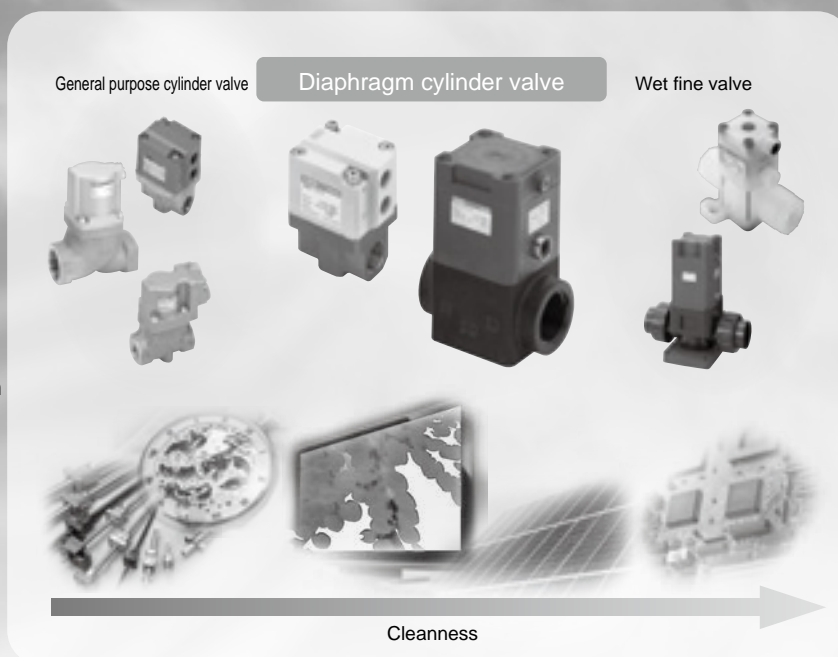
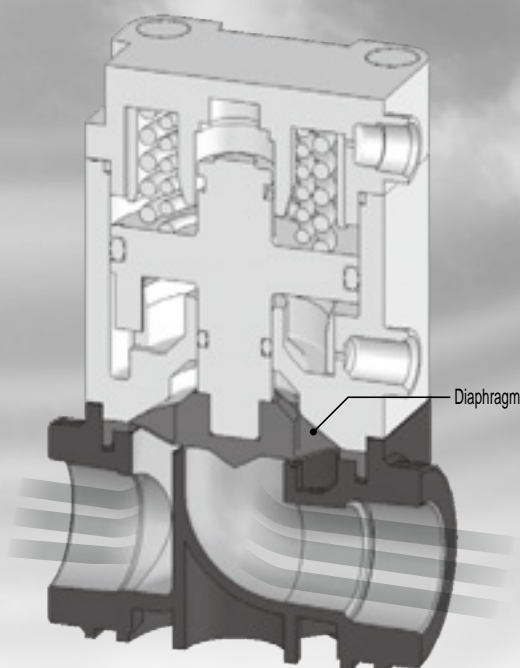
EPDM diaphragm

High strength, offering a wide working pressure range.

LAD Series variation

Series	Model No.	Orifice size				Port size					Diaphragm material		Body material			
		φ7	φ8	φ12	φ20	Rc1/4	Rc3/8	Rc1/2	Rc3/4	Rc1	EPDM	PTFE	PPS	SCS13	SUS303	PP
LAD	LAD*-10A		●				●				●	●	●	●		
	LAD*-15A			●				●			●	●	●	●		
	LAD*-20A				●				●		●	●	●	●		
	LAD*-25A				●					●	●	●	●	●		

* Because the connection is by screws, particles are generated during installation.
Also, operation may generate particles during use, especially with the EPDM diaphragm. Check the compatibility for the application.



NAD Series

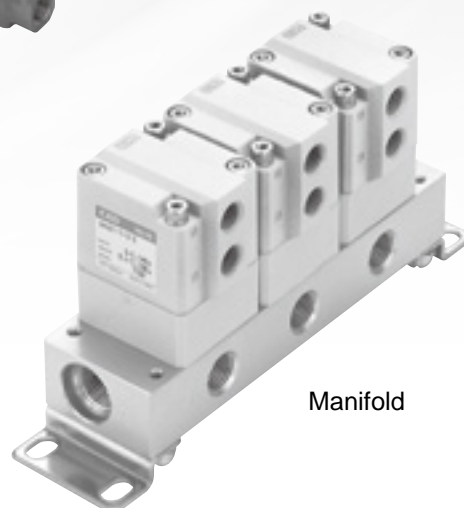
Space-saving with manifold

Manifold is available.

Saves piping space and reduces piping hours.

The same dimensions as the general purpose cylinder valve

As the dimensions are the same as those of general purpose cylinder valve NAB Series, this product can simply replace the existing NAB Series if you prefer the grease-free system.



Manifold

NAD Series variation

Series	Model No.	Orifice size				Port size					Diaphragm material		Body material				Sub-plate	
		ø7	ø8	ø12	ø20	Rc1/4	Rc3/8	Rc1/2	Rc3/4	Rc1	EPDM	PTFE	PPS	SCS13	SUS303	PP	SUS303	A6063
NAD	NAD*-10	●					●				●			●				
	NAD*V-10	●					●				●			●				
GNAD	GNAD*-10	●				A port ●	C port ●				●				●	●	●	●
	GNAD*V-10	●				A port ●	C port ●				●				●	●	●	●

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