

2/3 Port Valves for General Purpose Fluid Control

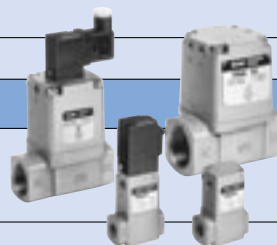
- Cylinder actuation by external air pilot
- Can be operated with a pressure differential of zero.
- Wide variations

Process Valve

Series VNA

For controlling pneumatic systems or air-hydro circuits.
A balanced poppet that enables air to flow forward or backward.

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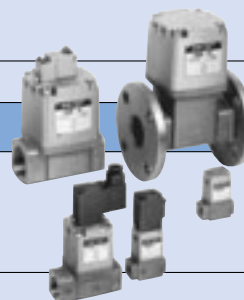


Process Valve

Series VNB

For controlling various fluids
Can operate with a wide range of fluids, such as air, water, oil, gas, vacuum, etc., by selecting the body material and the seal material.

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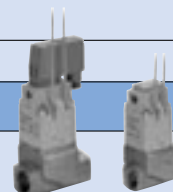


Coolant Valve (High flow type)

Series SGC

High flow type for controlling cutting oils and coolants used in machine tools.
Low power consumption: 0.35 W (at 24 VDC)
Maximum operating pressure: 0.5 MPa, 1 MPa, 1.6 MPa

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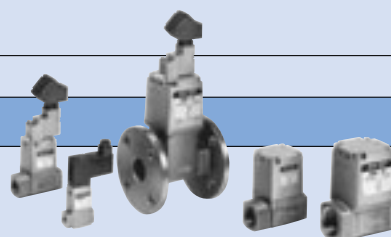


Coolant Valve

Series VNC

For controlling the cutting oils and coolants used in machine tools.
Maximum operating pressure: 0.5 MPa, 1 MPa

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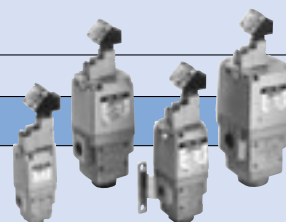


High Pressure Coolant Valve

Series VNH

For controlling the high pressure cutting oils and coolants used in machine tools.
Maximum operating pressure: 3.5 MPa, 7 MPa

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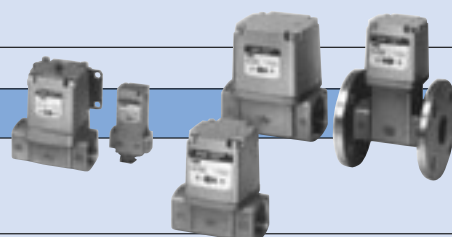


Steam Valve

Series VND

For steam control
PTFE seal adopted
With indicator light available (Option)

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Series Variations/Process, Coolant Valves List

Process, Coolant Valves List

Series			Process valve Series VNA			Process valve Series VNB			Coolant valve ^{Note 2)}				High pressure coolant valve ^{Note 2)} Series VNH	Steam valve Series VND		
									Series SGC		Series VNC					
Valve type			N.C.	N.O.	C.O.	N.C.	N.O.	C.O.	N.C.	N.O.	N.C.	N.O.	N.C.	N.C.	N.O.	
Applicable fluids ^{Note 1)}	Water		—	—	—	●	●	●	—	—	—	—	—	—	—	
	Air		●	●	●	●	●	●	—	—	—	—	—	—	—	
	Oil		●	●	●	●	●	●	—	—	—	—	—	—	—	
	Low vacuum (−101 kPa)		—	—	—	●	●	●	—	—	—	—	—	—	—	
	Coolant		—	—	—	—	—	—	●	●	●	●	●	—	—	
	Steam		—	—	—	—	—	—	—	—	—	—	—	●	●	
Port size	Rc (PT) Rc	1/8	●	●	●	●	●	●	—	—	●	●	—	●	●	
		1/4	●	●	●	●	●	●	—	—	●	●	—	●	●	
		3/8	●	●	●	●	●	●	●	●	●	●	●	●	●	
		1/2	●	●	●	●	●	●	●	●	●	●	●	●	●	
		3/4	●	●	●	●	●	●	●	●	●	●	●	●	●	
		1	●	●	●	●	●	●	●	●	●	●	●	●	●	
		1 1/4	●	●	●	●	●	●	—	—	●	●	—	●	●	
		1 1/2	●	●	●	●	●	●	—	—	●	●	—	●	●	
		2	●	●	●	●	●	●	—	—	●	●	—	●	●	
	Flange	32A	—	—	—	●	●	●	—	—	●	●	—	●	●	
		40A	—	—	—	●	●	●	—	—	●	●	—	●	●	
		50A	—	—	—	●	●	●	—	—	●	●	—	●	●	
		65A	—	—	—	—	—	—	—	—	●	—	—	—	—	
		80A	—	—	—	—	—	—	—	—	●	—	—	—	—	
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Note 1) For liquids that may wash out grease, test the actual liquids before using.

Note 2) The coolant valve cannot be used with water.

Note 3) Non-lubricant specifications cannot be set in this product series.

* N.C. : Normally closed

* N.O. : Normally open

* C.O. : Double acting type

VNA

VNB

SGC

VNC

VNH

VND

VCC