

Series Variations/Process, Coolant Valves List

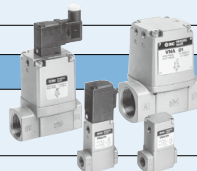
- Cylinder actuation by external air pilot
- Can be operated with a pressure differential of zero.
- Wide variations

Process Valve

VNA Series

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

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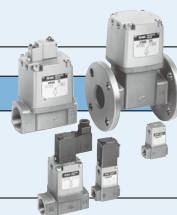


Process Valve

VNB Series

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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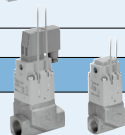


Coolant Valve (High flow type)

SGC Series

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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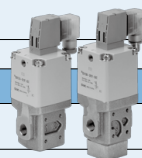


High Pressure Coolant Valve

SGH Series

Corresponding to high speed grinding and long drilling processes
Maximum operating pressure: 3 MPa, 7 MPa

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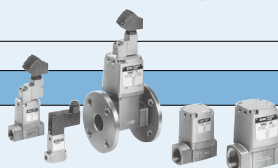
Coolant Valve

VNC Series

For controlling the cutting oils and coolants used in machine tools.

Maximum operating pressure: 0.5 MPa, 1 MPa

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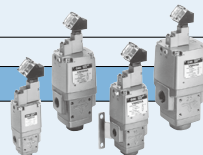
High Pressure Coolant Valve

VNH Series

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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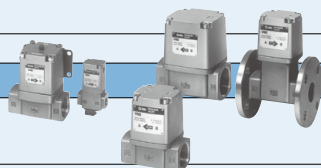


Steam Valve

VND Series

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

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Process, Coolant Valves List

Series	Valve type	Process valve VNA series			Process valve VNB series			
		N.C.	N.O.	C.O.	N.C.	N.O.	C.O.	
Applicable fluids <small>(Note 1)</small>	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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Series	Valve type	Coolant valve <small>Note 2)</small>				High pressure coolant valve <small>Note 2)</small>				Steam valve VND series		
		SGC series		VNC series		SGH series		VNH series		N.C.	N.O.	
		N.C.	N.O.	N.C.	N.O.	N.C.	N.O.	N.C.	N.O.	N.C.	N.O.	
Applicable fluids <small>(Note 1)</small>	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. For details on the applicable fluids of the VNA and VNB, refer to the applicable fluids checklist of each series.
 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
SGH
VNC
VNH
VND
VCC

TQ