

2-WAY & 3-WAY CONTROL VALVES

Type NVK

SAGInoMIYA

GENERAL DESCRIPTION

- Type NVK control valves are accompanied by Saginomiya type WGK motor for two position (On-Off), floating or proportional control.
- For use with low or high pressure hot and chilled water or non-corrosive fluid.
- NVK ... 2-way valve (single seated type)
NVK-W ... 2-way valve (double seated type)
NVK-M ... 3-way valve (mixing valve)
- Wide model selection available for various applications.
- V-port plug provides almost linear flow characteristic.



Type NVK-G



Type NVK-F

TYPE NUMBER SELECTION (SPECIFICATIONS)

Type NVK – 2-way valve

Item \ Model	NVK-****GL	NVK-****FL	NVK-****FP	NVK-W****FL
Connection	Rc	Flange (JIS 10K)	Flange (JIS 20K)	Flange (JIS 10K)
Fluid	Non-corrosive Water and Steam			
Max. Working Press.	0.98MPa {10 kgf/cm ² }		1.96MPa {20 kgf/cm ² }	0.98MPa {10 kgf/cm ² }
Fluid Temp. (°C)	0 to 200		0 to 250	0 to 200
Flow Characteristic	Equal Percentage			
Material of Body	CAC406	FC200	FCD-S	FC200
Material of Plug	SCS14			
Material of Seat Ring	SUS316			
Material of Stem	SUS304			

Type NVK-M – 3-way valve

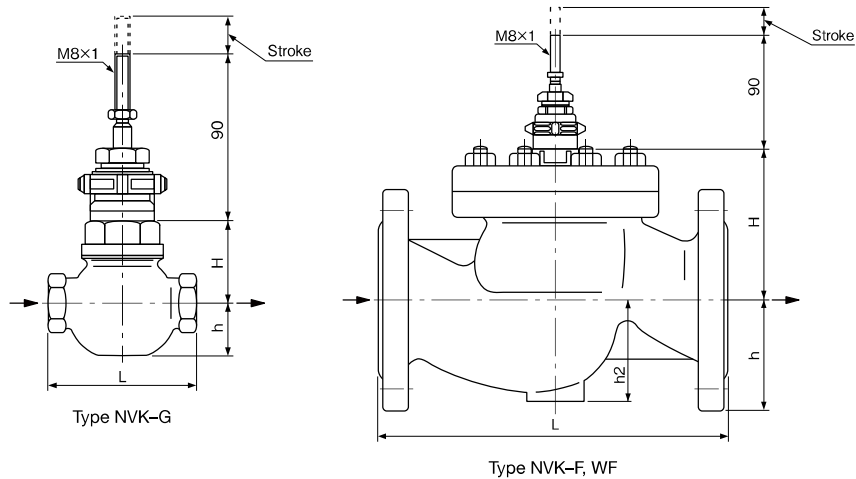
Item \ Model	NVK-M****GL	NVK-M****FL
Connection	Rc	Flange (JIS 10K)
Fluid	Non-corrosive Water for Air conditioning	
Max. Working Press.	0.98MPa {10 kgf/cm ² }	
Fluid Temp. (°C)	0 to 200	
Flow Characteristic	Equal Percentage	
Material of Body	CAC406	FC200
Material of Plug	SCS14	
Material of Seat Ring	SUS316	
Material of Stem	SUS304	

Type NVK – 2-way valve

Catalog No.	Port Size (mm)	Connection		Cv	Stroke (mm)	Close off Rating MPa {kgf/cm ² }			Dimensions (mm)			Wt. (kg)	
		Tube O.D.	Style			WGK-N*A	WGK-N*S	WGK-N*L	L	H	h (h2)		
NVK-	1504GL@1	15	1/2"	Rc	1	20	0.98 {10}	0.98 {10}	0.98 {10}	80	43	28	0.9
	1504GL@2				2.5								
	1504GL				5								
	2006GL	20	3/4"	Rc	8	20	0.98 {10}	0.98 {10}	0.98 {10}	90	48	29	1.2
	2510GL				12								
	3212GL	32	1-1/4"	Rc	20	20	0.98 {10}	0.98 {10}	0.98 {10}	105	50	30	1.6
	4014GL	30											
	5020GL	45											
	6524FL	65	2-1/2"	Flange (JIS 10K)	70	30	0.98 {10}	0.98 {10}	0.98 {10}	140	68	46	3.6
	8030FL	110											
	10040FL	180											
	1504FP@1	15	1/2"	Flange (JIS 20K)	1	20	1.96 {20}	1.96 {20}	1.96 {20}	190	45	47.5	3.5
	1504FP@2				2.5								
	1504FP				5								
	2006FP	20	3/4"	Flange (JIS 20K)	8	20	1.96 {20}	1.96 {20}	1.96 {20}	194	50	50	4
	2510FP	12											
	3212FP	20											
	4014FP	30	1-1/2"	Flange (JIS 20K)	20	20	0.98 {10}	0.98 {10}	0.98 {10}	210	53	67.5	7.3
	5020FP	30											
	6524FP	45											
8030FP	70	2-1/2"	Flange (JIS 20K)	70	30	0.98 {10}	0.98 {10}	0.98 {10}	267	72	77.5	12	
10040FP	110												
15040FP	180												
NVK-W	4014FL@1	40	1-1/2"	Flange (JIS 10K)	20	20	0.98 {10}	0.98 {10}	0.98 {10}	222	110	70	10.5
	4014FL				30								
	5020FL	45	30	0.98 {10}	0.98 {10}	0.98 {10}	0.98 {10}	0.98 {10}	254	114	(80)	13.5	
	6524FL	70											
	8030FL	110	30	0.98 {10}	0.98 {10}	0.98 {10}	0.98 {10}	0.98 {10}	276	129	(96)	18	
	10040FL	180											
	12550FL	260	40	-	-	-	-	-	352	187	(150)	46.5	
	15060FL	380											
	20080FL	630	45	0.69 {7}	0.69 {7}	0.69 {7}	0.69 {7}	0.69 {7}	543	278	(212)	167	
	250100FL	960											

- Cv ... Flow (L/min) passing through the valve at full opening when water temperature is 15°C and pressure difference across the valve is 0.00048 MPa (0.0049 kgf/cm²)
- The dimension value bracketed off by () shows "h2" value due to "h2" value being bigger than the one of "h".

DIMENSIONS



Unit: mm