



HFGV...series

2/3 Port, Flange Connection

Product Features

◆ Low Leakage Rate

The valve core and valve seat sealing surface are all stainless steel which could avoid the damage caused by debris in medium and ensure the low leakage rate after long time running.

◆ High close-off Pressure Difference

The pressure differential can be up to 16bar.

◆ V-shaped Sealing Ring Gland+ Spring Auto-compensation

Due to V-shaped ring of the sealing gland, the effects of the inner hole shrinkage and cylindrical expansion of the sealing gland in the case of pressing by the spring, which ensures the sealing of the stem part is effective for a long time.

◆ Equal-percentage Flow Characteristics

The rangeability of valve is 100:1, equipped with TW...series actuator which can get a perfect equal-percentage control curve.

◆ Wide Flow Passage, Low Noise

The design of wide and smooth flow passage can effectively reduce the noise.

◆ High-quality Materials Ductile Iron EN-GJS-450-10

The valve body is made of high-quality ductile iron material(EN-GJS-450-10), and the surface adopts electrostatic spraying craft, the body has better intensity and corrosion resistance.

Type Overview

PN16 Series 2-port 			Series		HA1000...	HA1001...	HA3000...	HA5000...	HA16000...
			Actuator Rated Stroke		30mm	50mm	50mm	70mm	110mm
			Nominal Output Force		1000N	1000N	3000N	5000N	16000N
			Icon						
Valve body	Type	DN [mm]	Valve Stroke [mm]	Max. flow coefficient Kvs [m³/h]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]
 PN16 2-port Water Valve Medium Temp.: -25~150°C	HFGV20015V-12	DN15	20	4	1600				
	HFGV20020V-12	DN20	20	6.3	1600				
	HFGV20025V-12	DN25	20	10	1600				
	HFGV20032V-12	DN32	20	16	1600				
	HFGV20040V-12	DN40	20	25	1600				
	HFGV20050V-12	DN50	20	40	1600				
	HFGV20065V-14	DN65	20	63		1600			
	HFGV20080V-14	DN80	30	100		1600			
	HFGV20100V-14	DN100	40	160			1600		
	HFGV20125V-14	DN125	40	250			1600		
	HFGV20150V-14	DN150	40	350			1600		
	HFGV20200V-14	DN200	40	520			1600		
	HFGV20250V-14	DN250	40	700			1600		
	HFGV20300V-14	DN300	60	1000				1600	
	HFGV20350V-14	DN350	60	1300				1600	
	HFGV20400V-15	DN400	100	2200					1600
HFGV20450V-15	DN450	100	2600					1600	
HFGV20500V-15	DN500	100	3200					1600	
 PN16 2-port Steam Valve Medium Temp.: 2~180°C	HFGV20015S-12	DN15	20	4	1600				
	HFGV20020S-12	DN20	20	6.3	1600				
	HFGV20025S-12	DN25	20	10	1600				
	HFGV20032S-12	DN32	20	16	1000				
	HFGV20040S-12	DN40	20	25	1000				
	HFGV20050S-12	DN50	20	40	1000				
	HFGV20065S-14	DN65	20	63			1600		
	HFGV20080S-14	DN80	30	100			1600		
	HFGV20100S-14	DN100	40	160			1600		
	HFGV20125S-14	DN125	40	250			1600		
	HFGV20150S-14	DN150	40	350			1600		
	HFGV20200S-14	DN200	40	520				1600	
	HFGV20250S-14	DN250	40	700				1600	
	HFGV20300S-15	DN300	100	1200					1600
	HFGV20350S-15	DN350	100	1800					1600
	HFGV20400S-15	DN400	100	2200					1600
HFGV20450S-15	DN450	100	2600					1600	
HFGV20500S-15	DN500	100	3200					1600	
 PN16 2-port High-temp. Steam Valve Medium Temp.: 2~250°C	HFGV20025A-14	DN25	20	10			1600		
	HFGV20032A-14	DN32	20	16			1600		
	HFGV20040A-14	DN40	20	25			1600		
	HFGV20050A-14	DN50	20	40			1600		
	HFGV20065A-14	DN65	20	63			1600		
	HFGV20080A-14	DN80	30	100			1600		
	HFGV20100A-14	DN100	40	160			1600		
	HFGV20125A-14	DN125	40	250			1600		
	HFGV20150A-14	DN150	40	350			1600		
	HFGV20200A-14	DN200	40	520				1600	
	HFGV20250A-14	DN250	40	700				1600	
	HFGV20300A-15	DN300	100	1200					1600
	HFGV20350A-15	DN350	100	1800					1600
	HFGV20400A-15	DN400	100	2200					1600
	HFGV20450A-15	DN450	100	2600					1600
	HFGV20500A-15	DN500	100	3200					1600

Type Overview

PN16 Series 3-port 			Series		TW600...	TW1000...	TW1001...	TW3000...	TW5000...	TW16000...
			Actuator Rated Stroke		30mm	30mm	50mm	50mm	70mm	110mm
			Nominal Output Force		600N	1000N	1000N	3000N	5000N	16000N
			Icon							
Valve body	Type	DN [mm]	Valve Stroke [mm]	Max. flow coefficient Kvs [m³/h]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]
 PN16 3-port Water Valve (mixing) Medium Temp.: -25~150°C	HFGV30015V-12	DN15	20	4	1600					
	HFGV30020V-12	DN20	20	6.3	1600					
	HFGV30025V-12	DN25	20	10	1000	1600				
	HFGV30032V-14	DN32	20	16			1000	1600		
	HFGV30040V-14	DN40	20	25			700	1600		
	HFGV30050V-14	DN50	20	40			500	1100		
	HFGV30065V-14	DN65	20	63				900		
	HFGV3M080V-14	DN80	30	100				550		
	HFGV3M100V-14	DN100	40	160				350		
	HFGV3M125V-14	DN125	40	250				240	350	
	HFGV3M150V-14	DN150	40	350				150	250	
	HFGV3M200V-14	DN200	40	520					150	
	HFGV3M250V-14	DN250	40	700					100	
	HFGV3M300V-15	DN300	100	1200						200
	HFGV3M350V-15	DN350	100	1800						150
	HFGV3M400V-15	DN400	100	2200						120
	HFGV3M450V-15	DN450	100	2600						100
	HFGV3M500V-15	DN500	100	3200						80
 PN16 3-port Water Valve (diverting) Medium Temp.: -25~150°C	HFGV30015V-12	DN15	20	4	800					
	HFGV30020V-12	DN20	20	6.3	800					
	HFGV30025V-12	DN25	20	10	500	800				
	HFGV30032V-14	DN32	20	16			500	800		
	HFGV30040V-14	DN40	20	25			350	800		
	HFGV30050V-14	DN50	20	40			250	550		
	HFGV30065V-14	DN65	20	63				450		
	HFGV3D080V-14	DN80	30	100				550		
	HFGV3D100V-14	DN100	40	160				350		
	HFGV3D125V-14	DN125	40	250				240	350	
	HFGV3D150V-14	DN150	40	350				150	250	
	HFGV3D200V-14	DN200	40	520					150	
	HFGV3D250V-14	DN250	40	700					100	
	HFGV3D300V-15	DN300	100	1200						200
	HFGV3D350V-15	DN350	100	1800						150
	HFGV3D400V-15	DN400	100	2200						120
	HFGV3D450V-15	DN450	100	2600						100
	HFGV3D500V-15	DN500	100	3200						80

Note: The ΔPs in bold type is default standard configuration!

Type Overview

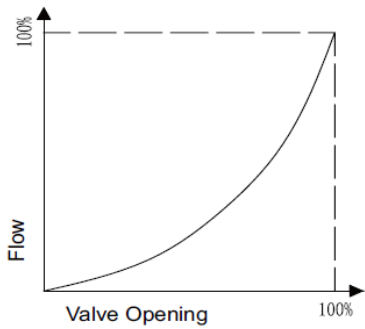
PN25 Series 2-port 			Series		TW1000...	TW1001...	TW3000...	TW5000...	TW16000...
			Actuator Rated Stroke		30mm	50mm	50mm	70mm	110mm
			Nominal Output Force		1000N	1000N	3000N	5000N	16000N
			Icon						
Valve body	Type	DN [mm]	Valve Stroke [mm]	Max. flow coefficient Kvs [m³/h]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]
 PN25 2-port Water Valve Medium Temp.: -25~150°C	HFGV20015V-12C	DN15	20	4	1600				
	HFGV20020V-12C	DN20	20	6.3	1600				
	HFGV20025V-12C	DN25	20	10	1600				
	HFGV20032V-12C	DN32	20	16	1600				
	HFGV20040V-12C	DN40	20	25	1600				
	HFGV20050V-12C	DN50	20	40	1600				
	HFGV20065V-14C	DN65	20	63		1600			
	HFGV20080V-14C	DN80	30	100		1600			
	HFGV20100V-14C	DN100	40	160			1600		
	HFGV20125V-14C	DN125	40	250			1600		
	HFGV20150V-14C	DN150	40	350			1600		
	HFGV20200V-14C	DN200	40	520			1600		
	HFGV20250V-14C	DN250	40	700			1600		
	HFGV20300V-14C	DN300	60	1000				1600	
	HFGV20350V-14C	DN350	60	1300				1600	
	HFGV20400V-15C	DN400	100	2200					1600
HFGV20450V-15C	DN450	100	2600					1600	
HFGV20500V-15C	DN500	100	3200					1600	
 PN25 2-port Steam Valve Medium Temp.: 2~180°C	HFGV20015S-12C	DN15	20	4	1600				
	HFGV20020S-12C	DN20	20	6.3	1600				
	HFGV20025S-12C	DN25	20	10	1600				
	HFGV20032S-12C	DN32	20	16	1000				
	HFGV20040S-12C	DN40	20	25	1000				
	HFGV20050S-12C	DN50	20	40	1000				
	HFGV20065S-14C	DN65	20	63			1600		
	HFGV20080S-14C	DN80	30	100			1600		
	HFGV20100S-14C	DN100	40	160			1600		
	HFGV20125S-14C	DN125	40	250			1600		
	HFGV20150S-14C	DN150	40	350			1600		
	HFGV20200S-14C	DN200	40	520				1600	
	HFGV20250S-14C	DN250	40	700				1600	
	HFGV20300S-15C	DN300	100	1200					1600
	HFGV20350S-15C	DN350	100	1800					1600
	HFGV20400S-15C	DN400	100	2200					1600
HFGV20450S-15C	DN450	100	2600					1600	
HFGV20500S-15C	DN500	100	3200					1600	
 PN25 2-port High-temp. Steam Valve Medium Temp.: 2~250°C	HFGV20025A-14C	DN25	20	10			1600		
	HFGV20032A-14C	DN32	20	16			1600		
	HFGV20040A-14C	DN40	20	25			1600		
	HFGV20050A-14C	DN50	20	40			1600		
	HFGV20065A-14C	DN65	20	63			1600		
	HFGV20080A-14C	DN80	30	100			1600		
	HFGV20100A-14C	DN100	40	160			1600		
	HFGV20125A-14C	DN125	40	250			1600		
	HFGV20150A-14C	DN150	40	350			1600		
	HFGV20200A-14C	DN200	40	520				1600	
	HFGV20250A-14C	DN250	40	700				1600	
	HFGV20300A-15C	DN300	100	1200					1600
	HFGV20350A-15C	DN350	100	1800					1600
	HFGV20400A-15C	DN400	100	2200					1600
	HFGV20450A-15C	DN450	100	2600					1600
	HFGV20500A-15C	DN500	100	3200					1600

Type Overview

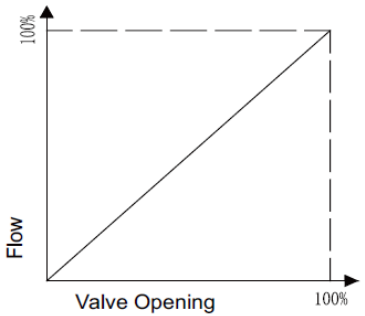
PN25 Series 3-port 			Series		TW600...	TW1000...	TW1001...	TW3000...	TW5000...	TW16000...
			Actuator Rated Stroke		30mm	30mm	50mm	50mm	70mm	110mm
			Nominal Output Force		600N	1000N	1000N	3000N	5000N	16000N
			Icon							
Valve body	Type	DN [mm]	Valve Stroke [mm]	Max. flow coefficient Kvs [m³/h]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]	ΔPs [kPa]
 PN25 3-port Water Valve (mixing) Medium Temp.: -25~150°C	HFGV30015V-12C	DN15	20	4	1600					
	HFGV30020V-12C	DN20	20	6.3	1600					
	HFGV30025V-12C	DN25	20	10	1000	1600				
	HFGV30032V-14C	DN32	20	16			1000	1600		
	HFGV30040V-14C	DN40	20	25			700	1600		
	HFGV30050V-14C	DN50	20	40			500	1100		
	HFGV30065V-14C	DN65	20	63				900		
	HFGV3M080V-14C	DN80	30	100				550		
	HFGV3M100V-14C	DN100	40	160				350		
	HFGV3M125V-14C	DN125	40	250				240	350	
	HFGV3M150V-14C	DN150	40	350				150	250	
	HFGV3M200V-14C	DN200	40	520					150	
	HFGV3M250V-14C	DN250	40	700					100	
	HFGV3M300V-15C	DN300	100	1200						200
	HFGV3M350V-15C	DN350	100	1800						150
	HFGV3M400V-15C	DN400	100	2200						120
	HFGV3M450V-15C	DN450	100	2600						100
	HFGV3M500V-15C	DN500	100	3200						80
 PN25 3-port Water Valve (diverting) Medium Temp.: -25~150°C	HFGV30015V-12C	DN15	20	4	800					
	HFGV30020V-12C	DN20	20	6.3	800					
	HFGV30025V-12C	DN25	20	10	500	800				
	HFGV30032V-14C	DN32	20	16			500	800		
	HFGV30040V-14C	DN40	20	25			350	800		
	HFGV30050V-14C	DN50	20	40			250	550		
	HFGV30065V-14C	DN65	20	63				450		
	HFGV3D080V-14C	DN80	30	100				550		
	HFGV3D100V-14C	DN100	40	160				350		
	HFGV3D125V-14C	DN125	40	250				240	350	
	HFGV3D150V-14C	DN150	40	350				150	250	
	HFGV3D200V-14C	DN200	40	520					150	
	HFGV3D250V-14C	DN250	40	700					100	
	HFGV3D300V-15C	DN300	100	1200						200
	HFGV3D350V-15C	DN350	100	1800						150
	HFGV3D400V-15C	DN400	100	2200						120
	HFGV3D450V-15C	DN450	100	2600						100
	HFGV3D500V-15C	DN500	100	3200						80

Note: The ΔPs in bold type is default standard configuration!

Flow Characteristics



A-AB Equal-percentage Flow Characteristic



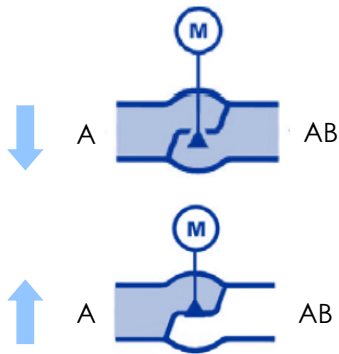
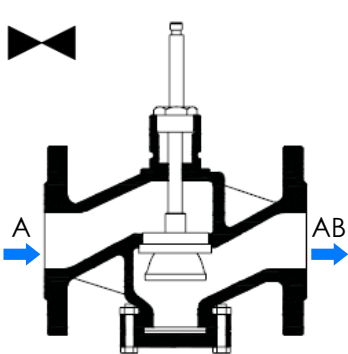
B-AB Equal-linear Flow Characteristic

Relationship between Differential Pressure and Flow

$$Kvs = \frac{V}{\sqrt{\frac{\Delta P}{100}}}$$

ΔP : Differential pressure when valve is full open (Unit: KPa)
V: Rating flow at the $\square P$ (Unit: m3/h)
Kvs: Nominal flow coefficient, which refers to the flow when medium (Density= 1g/cm3) goes through the full open control valve, whose $\square P$ is 100KvPa.

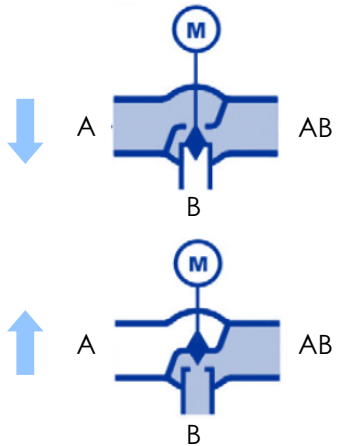
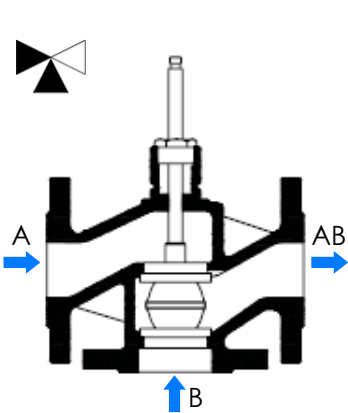
Structure Characteristics



2-port

When the valve stem is at lower limit, the valve will be opened from A to AB.

When the valve stem is at upper limit, the valve will be closed from A to AB.

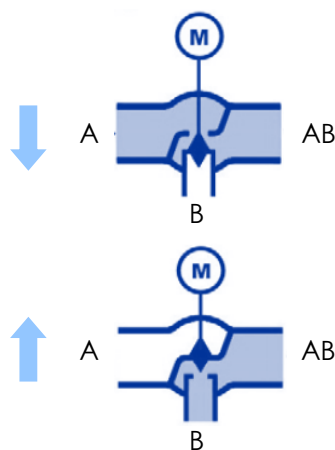
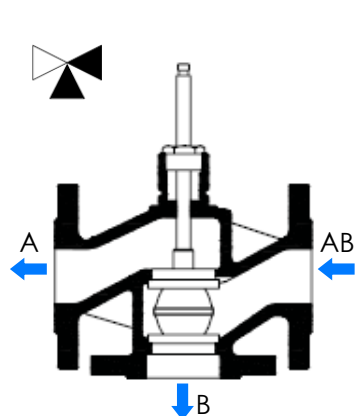


3-port mixing

When actuator stem is at lower limit, the valve will be opened from A to AB and closed from B to AB.

When actuator stem is at upper limit, the valve will be closed from A to AB and opened from B to AB.

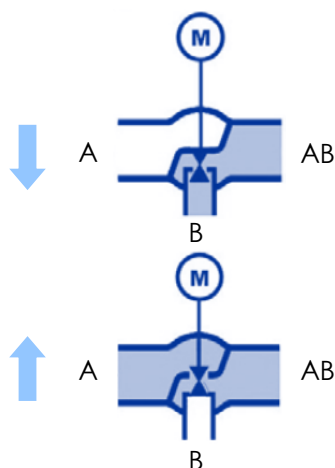
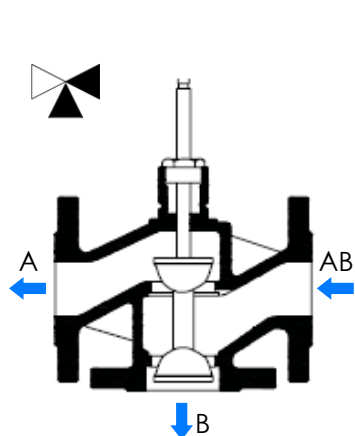
Structure Characteristics



3-port diverting DN15~DN65

When actuator stem is at lower limit, the valve will be opened from A to AB and closed from B to AB.

When actuator stem is at upper limit, the valve will be closed from A to AB and opened from B to AB.



3-port diverting DN80~DN500

When actuator stem is at lower limit, the valve will be closed from A to AB and opened from B to AB.

When actuator stem is at upper limit, the valve will be opened from A to AB and closed from B to AB.

Installation Instruction

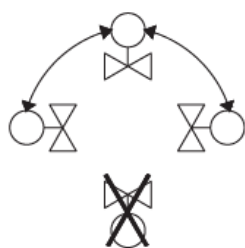
1. Valve can be installed on the water supply pipe or return water pipe (installed on the return water pipe can control the water flow more smoothly, meanwhile the return water temperature is lower which can extend the service time of valve).
2. Filter and check valve are recommended to be installed.
3. When the medium is steam, install draw off valve in the pipe can remove the condensed water, or it will affect the service time of valve.
4. Please note that the medium flow direction in valve should be consistent with the medium of pipeline.



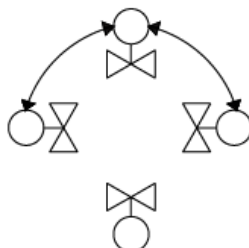
2-port
A → AB

3-port Mixing
A + B → AB

3-port Diverting
A → AB, B → AB

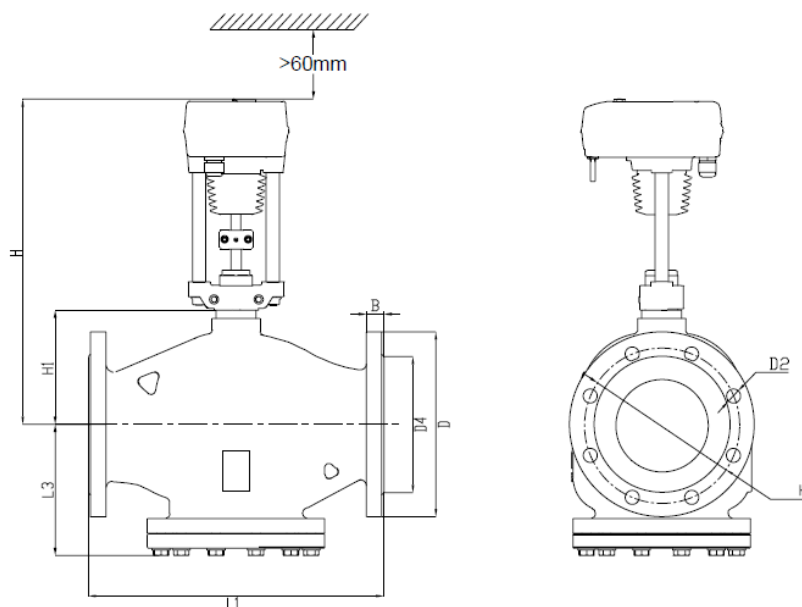


Medium is chilled/hot water
Downward installation is forbidden



Medium is steam water
Any installation position is OK

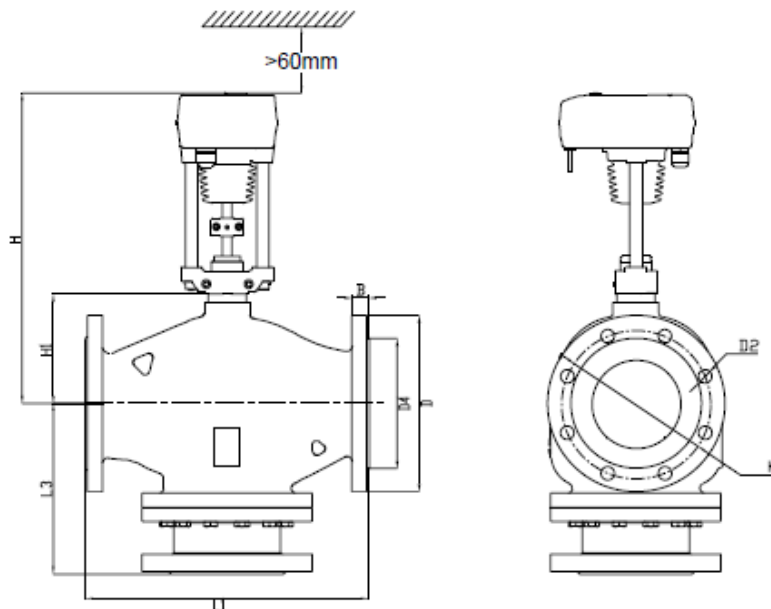
Dimension Figure for PN16 Series (2-port)



DN	B (mm)	D (mm)	D2 (mm)	D4 (mm)	K (mm)	L1 (mm)	L3 (mm)	H1 (mm)	N.W. kg	H 600/1000N (mm)	H 3000N (mm)	H 5000N (mm)	H 16000N (mm)
DN15	14	95	4-14	46	65	130	70	41	3.5	296	326	/	/
DN20	16	105	4-14	56	75	150	70	46	4.5	301	331	/	/
DN25	16	115	4-14	65	85	160	75	48	4.5	303	333	/	/
DN32	18	140	4-19	76	100	180	80	59	7	314	344	/	/
DN40	18	150	4-19	84	110	200	82	50	8	305	335	/	/
DN50	20	165	4-19	99	125	230	98	60	11.5	315	315	/	/
DN65	20	185	4-19	118	145	290	112	90	18	365	375	/	/
DN80	22	200	8-19	132	160	310	130	120	25	395	405	/	/
DN100	23	220	8-19	156	180	350	150	136	38	/	421	/	/
DN125	24	250	8-19	184	210	400	175	157	52	/	442	/	/
DN150	25	285	8-23	211	240	480	200	171	70.5	/	456	/	/
DN200	26	340	12-23	266	295	500	229	185	111	/	470	490	/
DN250	31	405	12-28	319	355	600	260	205	167	/	490	510	/
DN300	28	460	12-28	370	410	700	322	358	266	/	/	663	941
DN350	36	520	16-28	429	470	788	402	438	464	/	/	743	1021
DN400	40	580	16-31	480	525	912	424	487	690	/	/	/	1070
DN450	45	640	20-31	548	585	980	481	487	822	/	/	/	1070
DN500	45	715	20-34	609	650	985	504	473	1024	/	/	/	1056

Remark: 600N/1000N/3000N/5000N actuators shall reserve at least 60mm installation space; 255mm installation space should be reserved for 16000N.

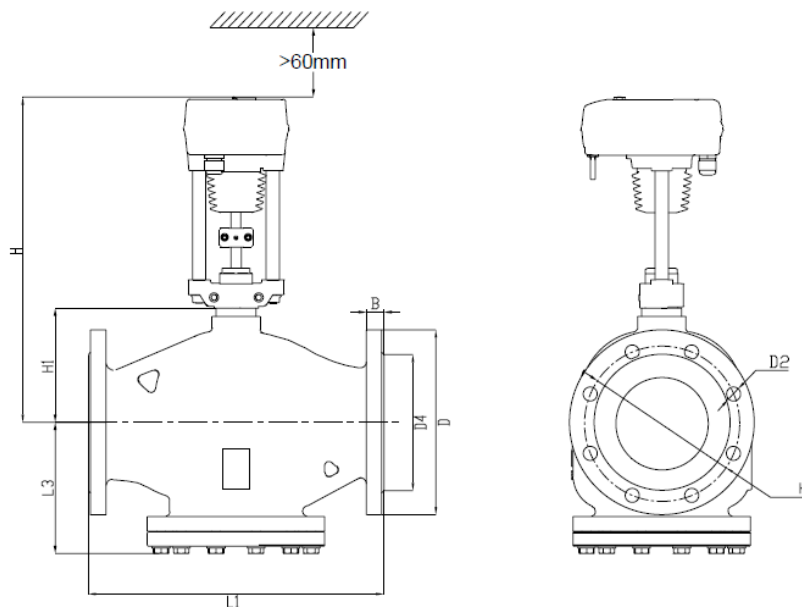
Dimension Figure for PN16 Series (3-port)



DN	B (mm)	D (mm)	D2 (mm)	D4 (mm)	K (mm)	L1 (mm)	L3 (mm)	H1 (mm)	N.W. kg	H 600/1000N (mm)	H 3000N (mm)	H 5000N (mm)	H 16000N (mm)
DN15	14	95	4-14	46	65	130	106	41	4	296	326	/	/
DN20	16	105	4-14	56	75	150	106	46	5	301	331	/	/
DN25	16	115	4-14	65	85	160	111	48	7	303	333	/	/
DN32	18	140	4-19	76	100	180	121	59	8.5	314	344	/	/
DN40	18	150	4-19	84	110	200	122	50	10.5	305	335	/	/
DN50	20	165	4-19	99	125	230	136	60	14	315	315	/	/
DN65	20	185	4-19	118	145	290	156	90	21	365	375	/	/
DN80	22	200	8-19	132	160	310	185	120	30	395	405	/	/
DN100	23	220	8-19	156	180	350	202	164	41	/	449	/	/
DN125	24	250	8-19	184	210	400	240	157	55.5	/	442	/	/
DN150	25	285	8-23	211	240	480	270	171	74.5	/	456	/	/
DN200	26	340	12-23	266	295	500	315	185	116	/	470	490	/
DN250	31	405	12-28	319	355	600	370	205	180	/	490	510	/
DN300	28	460	12-28	370	410	700	457	358	286	/	/	663	941
DN350	36	520	16-28	429	470	788	521	438	453	/	/	743	1021
DN400	40	580	16-31	480	525	912	578	487	652	/	/	/	1070
DN450	45	640	20-31	548	585	980	643	487	/	/	/	/	1070
DN500	45	715	20-34	609	650	985	663	473	/	/	/	/	1056

Remark: 600N/1000N/3000N/5000N actuators shall reserve at least 60mm installation space; 255mm installation space should be reserved for 16000N.

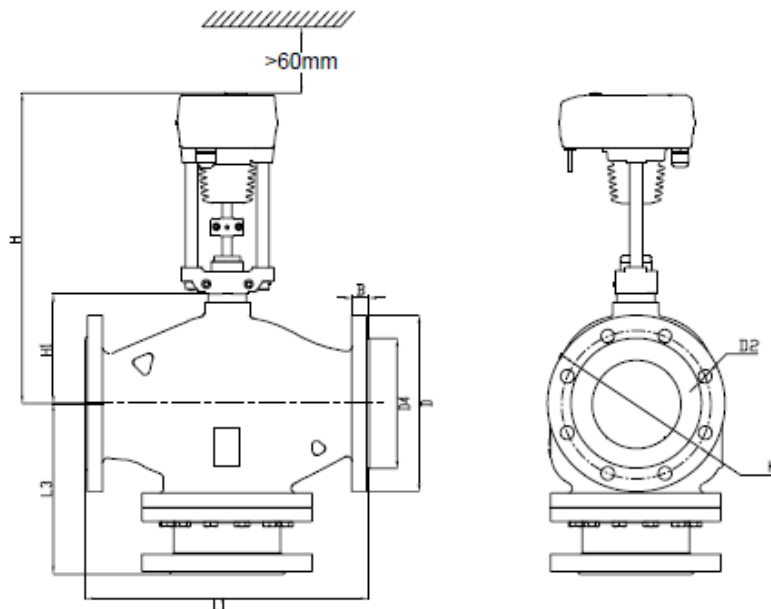
Dimension Figure for PN25 Series (2-port)



DN	B (mm)	D (mm)	D2 (mm)	D4 (mm)	K (mm)	L1 (mm)	L3 (mm)	H1 (mm)	N.W. kg	H 600/1000N (mm)	H 3000N (mm)	H 5000N (mm)	H 16000N (mm)
DN15	14	95	4-14	46	65	130	70	41	3.5	296	326	/	/
DN20	16	105	4-14	56	75	150	70	46	4.5	301	331	/	/
DN25	16	115	4-14	65	85	160	75	48	4.5	303	333	/	/
DN32	18	140	4-19	76	100	180	80	59	7	314	344	/	/
DN40	18	150	4-19	84	110	200	82	50	8	305	335	/	/
DN50	20	165	4-19	99	125	230	98	60	11.5	315	315	/	/
DN65	20	185	8-19	118	145	290	112	90	18	365	375	/	/
DN80	22	200	8-19	132	160	310	130	120	25	395	405	/	/
DN100	23	235	8-23	156	190	350	150	136	38	/	421	/	/
DN125	24	270	8-28	184	220	400	175	157	52	/	442	/	/
DN150	25	300	8-28	211	250	480	200	171	70.5	/	456	/	/
DN200	26	360	12-28	274	310	500	229	185	111	/	470	490	/
DN250	31	425	12-31	330	370	600	260	205	167	/	490	510	/
DN300	28	485	16-31	389	430	700	322	358	266	/	/	663	941
DN350	36	555	16-34	448	490	788	402	438	464	/	/	743	1021
DN400	40	620	16-37	503	550	912	424	487	690	/	/	/	1070
DN450	45	670	20-37	548	600	980	481	487	822	/	/	/	1070
DN500	48	730	20-37	609	660	985	504	473	1024	/	/	/	1056

Remark: 600N/1000N/3000N/5000N actuators shall reserve at least 60mm installation space; 255mm installation space should be reserved for 16000N.

Dimension Figure for PN25 Series (3-port)



DN	B (mm)	D (mm)	D2 (mm)	D4 (mm)	K (mm)	L1 (mm)	L3 (mm)	H1 (mm)	N.W. kg	H 600/1000N (mm)	H 3000N (mm)	H 5000N (mm)	H 16000N (mm)
DN15	14	95	4-14	46	65	130	106	41	4	296	326	/	/
DN20	16	105	4-14	56	75	150	106	46	5	301	331	/	/
DN25	16	115	4-14	65	85	160	111	48	7	303	333	/	/
DN32	18	140	4-19	76	100	180	121	59	8.5	314	344	/	/
DN40	18	150	4-19	84	110	200	122	50	10.5	305	335	/	/
DN50	20	165	4-19	99	125	230	136	60	14	315	315	/	/
DN65	20	185	8-19	118	145	290	156	90	21	365	375	/	/
DN80	22	200	8-19	132	160	310	185	120	30	395	405	/	/
DN100	23	235	8-23	156	190	350	202	164	41	/	449	/	/
DN125	24	270	8-28	184	220	400	240	157	55.5	/	442	/	/
DN150	25	300	8-28	211	250	480	270	171	74.5	/	456	/	/
DN200	26	360	12-28	274	310	500	315	185	116	/	470	490	/
DN250	31	425	12-31	330	370	600	370	205	180	/	490	510	/
DN300	28	485	16-31	389	430	700	457	358	286	/	/	663	941
DN350	36	555	16-34	448	490	788	521	438	453	/	/	743	1021
DN400	40	620	16-37	503	550	912	578	487	652	/	/	/	1070
DN450	45	670	20-37	548	600	980	643	487	/	/	/	/	1070
DN500	48	730	20-37	609	660	985	663	473	/	/	/	/	1056

Remark: 600N/1000N/3000N/5000N actuators shall reserve at least 60mm installation space; 255mm installation space should be reserved for 16000N.

Technical Parameters

• Functional data	
Nominal size	DN15-DN500
Nominal pressure	PN16/PN25
Flow characteristics 2-port 3-port	A-AB: equal-percentage A-AB: equal-percentage, B-AB: equal-linear
Rangeability	>100:1
Leakage rate 2-port water valve / steam valve 2-port high-temp. steam valve 3-port water valve	≤0.01% kvs ≤0.05% kvs A-AB: ≤0.01% kvs; B-AB: ≤0.02% kvs
Permissible medium Water valve (-25~130℃) Steam valve (2~180℃) High-temp. steam valve (2~250℃de)	Chilled/hot water, glycol under 50% Saturated steam (<0.69MPa) Overheated steam/Heat transfer oil(≤250℃)
Connection standard	Flanged connection ISO7005-2

• Spare parts materials	
Valve body	Ductile Iron EN-GJS-450-10
Valve stem	Stainless steel
Valve core	Stainless steel
Sealing ring	PTFE

• Environmental condition	
Running	
Ambient temperature	-25~+65℃
Ambient humidity	≤95% RH, non-condensation
Storage	
Ambient temperature	-40~+65℃
Ambient humidity	≤95% RH, non-condensation