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3-WAY CONTROL GLOBE VALVE



KXS-21 Series
KXF-21 Series
KXF-21/22(B) Series
KXF-33 Series
KXF-D Series
KXF-S Series

(KXS21 Series)



Description

KXS21 series is 3-way control Valve and PT Screwed type with bronze body which can be motorized with KEA actuator. It is designed for fluid control in hot/chilled water, temperature control or HVAC. Durable & Convenient structure and excellent control.

Technical Data

- ▶ Operating pressure : 16Kg/cm² (16bar)
- ▶ Operating temperature : -25 ~ 130 °C DN4747/DN3158
- ▶ Valve characteristics : 1) Straight port : Linear
2) By-pass : Linear
- ▶ Leakage rate : 1) Straight port : ≤0.01% of Kvs value Class IV (ANSI B 16.104-1976)
2) By-pass : ≤0.1% of Kvs value
- ▶ Connection : PT screwed Type

Application

- Hot water: Max 130 °C
- Chilled water : Min -25 °C
- Mixed or Blended water:
 - Oxygen absorbed compound
 - Anti-freeze including glycol(Max. 50%).

※ Close-off pressure

Model	DN		Flow rate		Stroke	Sv	ΔPv		Actuator ΔPmax(Kgf/cm²)			
	mm	inch	Kvs	CV	mm		mixing	Diverting	KEA-10A[P]		KEA-20A[P]	
									Mixing	Diverting	Mixing	Diverting
KXS21.15	15	1/2"	4	4.7	20	30	8	4	8	4	8	4
KXS21.20	20	3/4"	6.3	7.4	20	30	8	4	8	4	8	4
KXS21.25	25	1"	12	14	20	30	8	4	7	3.5	8	4
KXS21.32	32	11/4"	16	18.7	20	30	8	4	4.5	2	8	4
KXS21.40	40	11/2"	25	29	20	30	8	4			6	3
KXS21.50	50	2"	37	43.2	20	30	8	4			4	2

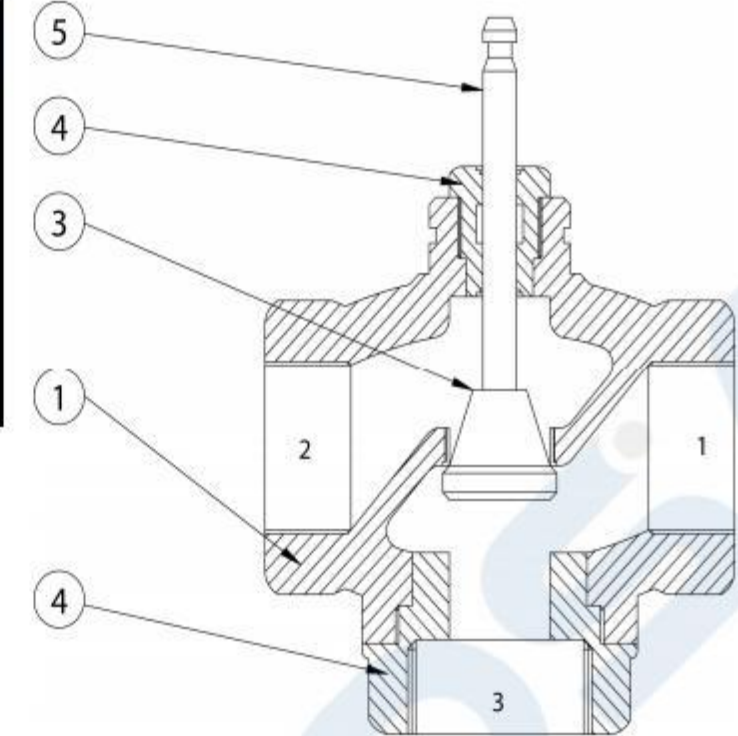
Sv : Rangeability (VDI 2173)

* Kv=Cv/1.167

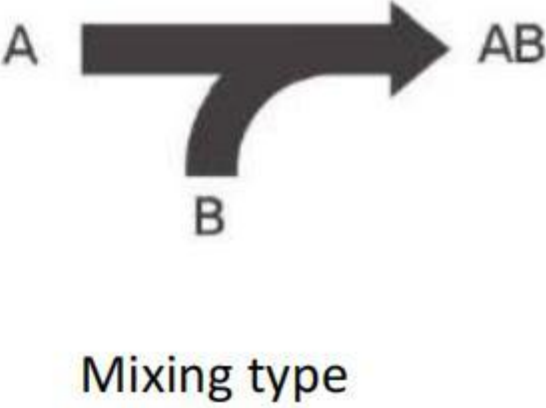
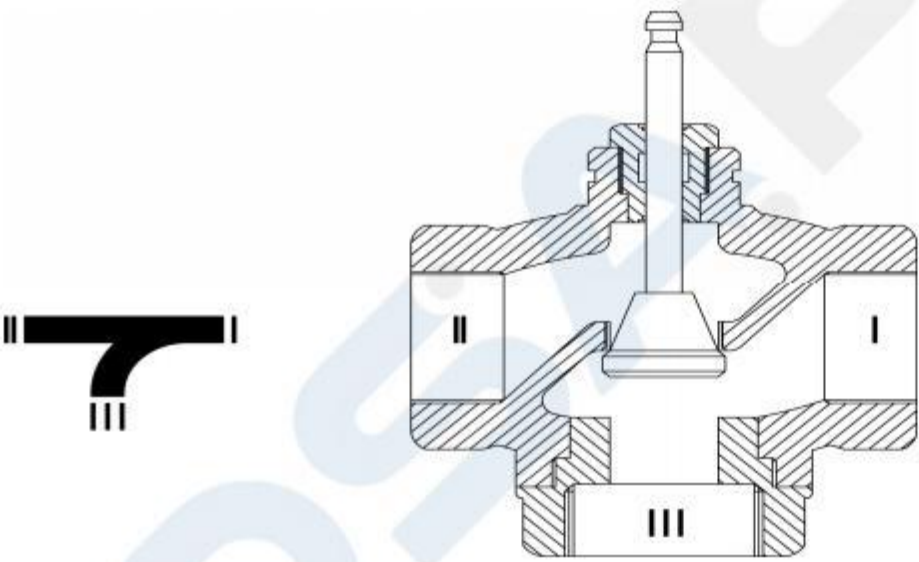
ΔPv in kgf/cm² : The max. allowable differential pressure of valve in the fully open position when installed as a full loadΔPvmax in kgf/cm² : The max allowable differential pressure of actuator to prevent the leakage of fluid when valve is closed.

Material

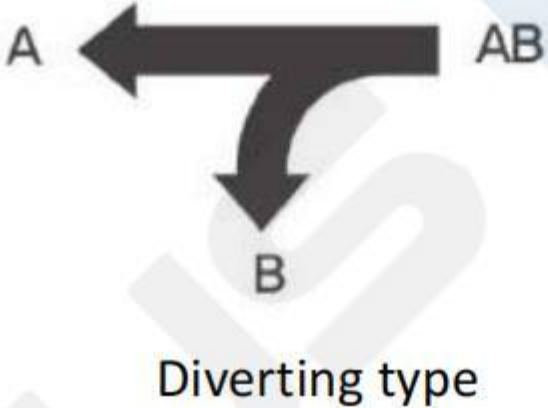
No	1	2	3	4	5
Part Name	Body	Cover	Plug	Packing Box	Stem
Material	Bronze BC6 (B505)	Bronze BC6 (B505)	SCS13 (A351CF8)	VITON	SUS304



Mechanical Data



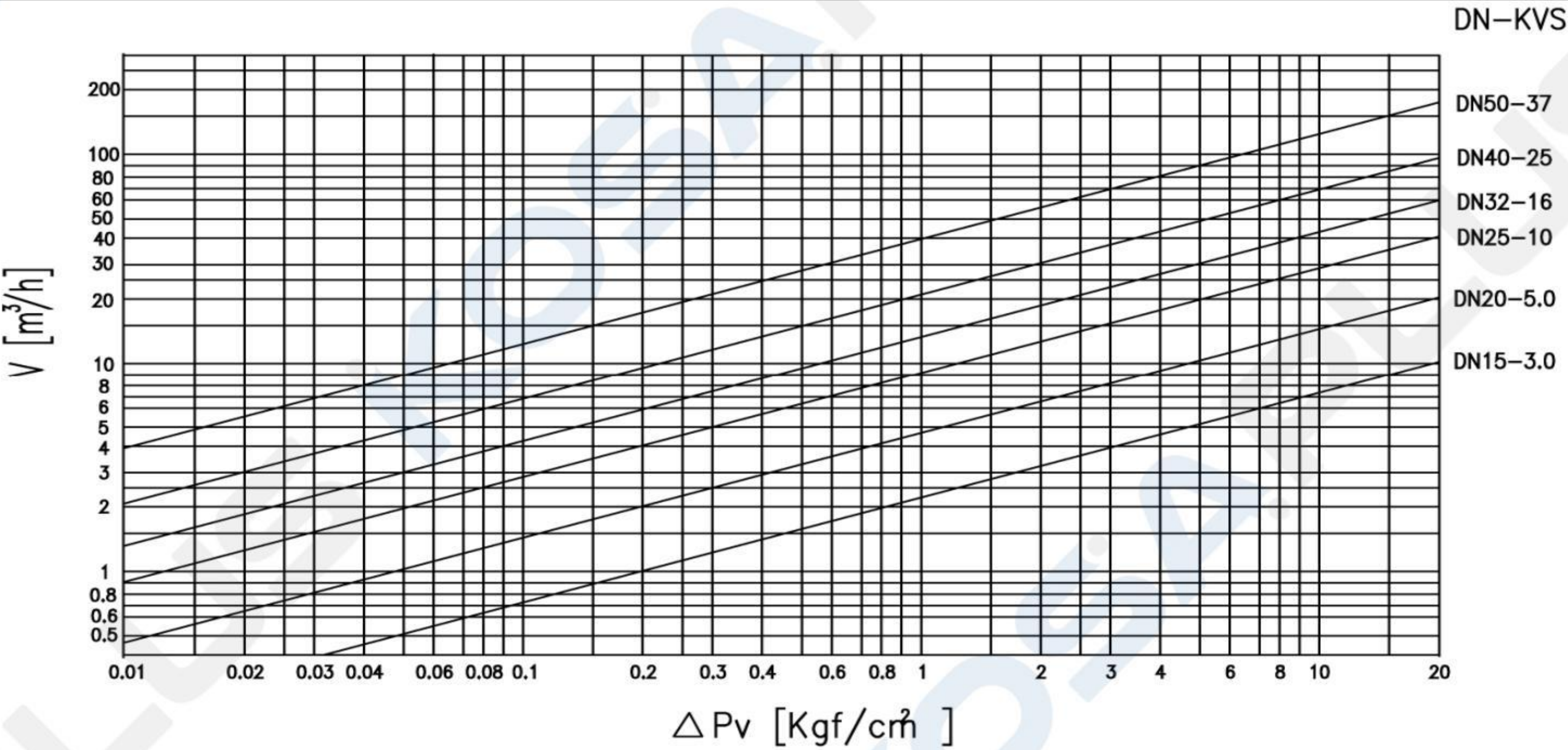
Mixing type



Diverting type

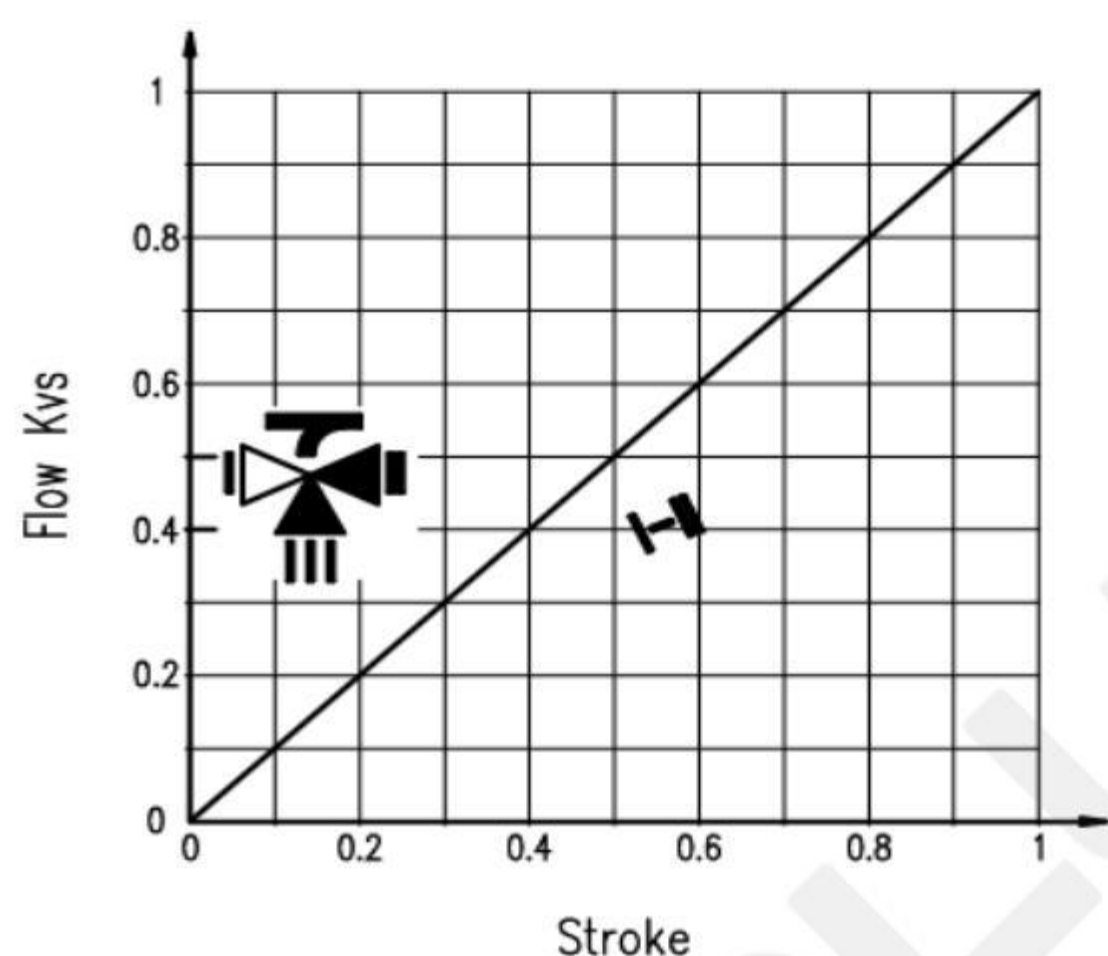
- Plug is connected directly with valve stem.
- Specially treated seat is fixed on the valve body.

Valve Sizing Chart



V : WATER FLOW (m³ /h)
ΔPv : VALVE PRESSURE DROP(Kgf/cm²)

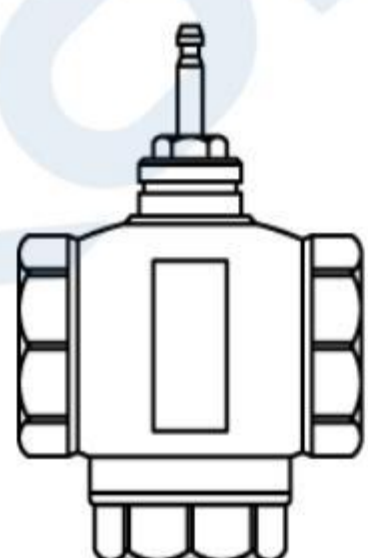
Valve Characteristics



- Valve characteristics : Linear
- Rangeability - 30 : 1

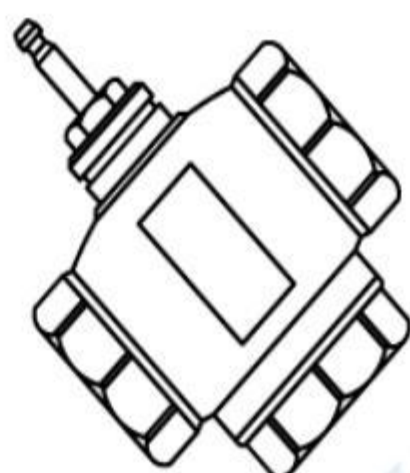
Mounting and Installation Guide

- Valve and Actuator can be supplied by assembly or separately.
- For heating and steam system, it is recommend to be installed around low temperature area where water is returning or circulating in order to prolong the life of packing.
- Recommend to install strainer at the inlet of valve.
- Mounting positions.

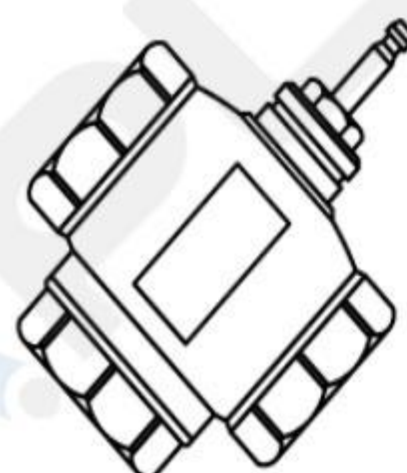


<Recommended>

※ Do not install valve downwards.



<Partially accepted>



<Not recommended>

- While mounting, correspond the fluid directions with the arrows on the valve body.
In case of mixing, valve is installed as tge same direction of fluid flow. (From A & B to AB)

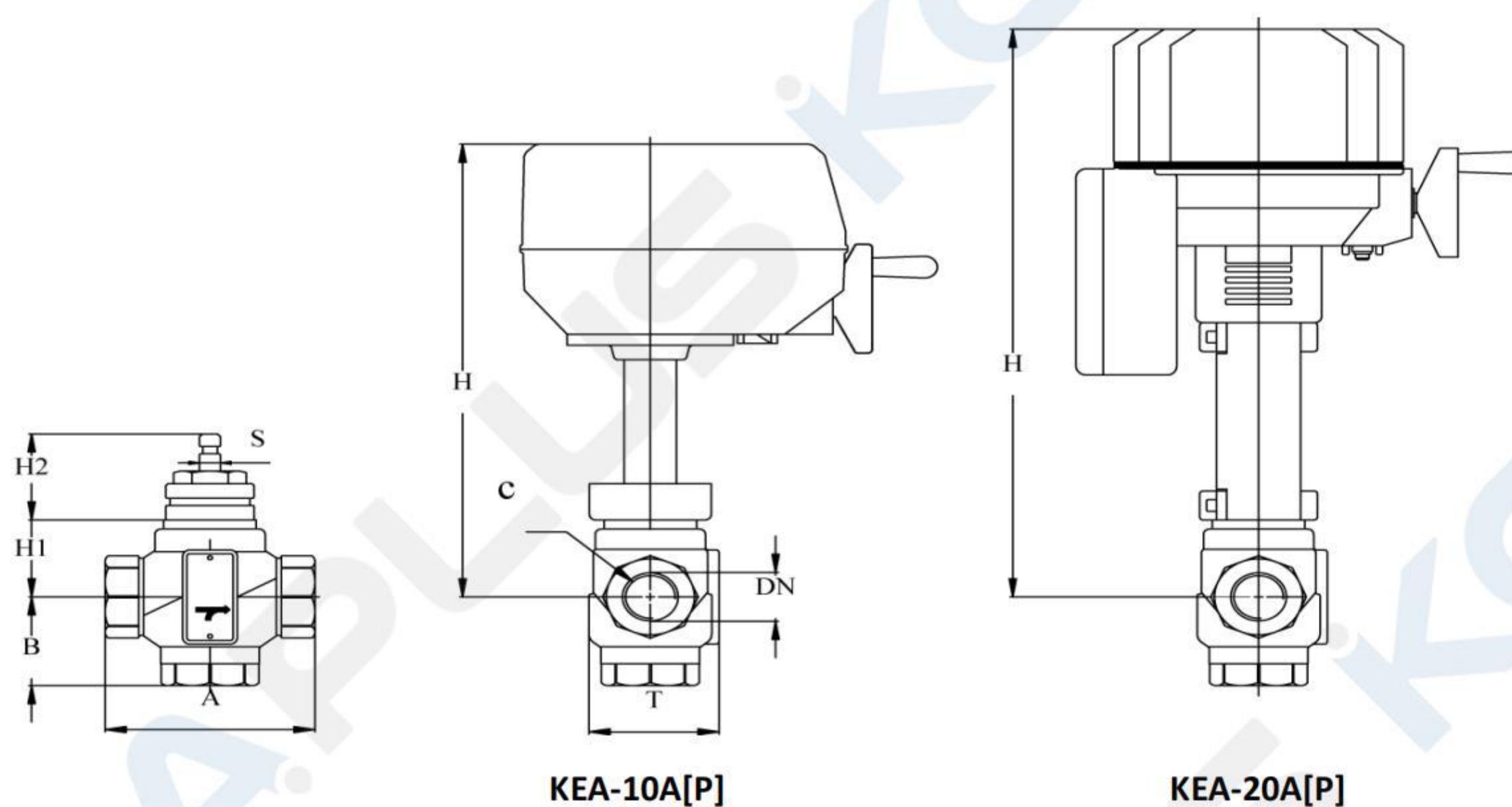


Commissioning Guide

- Trial run should be conducted after actuator is mounted on the valve correctly.
- Flow direction must correspond to the indication on the valve body.
- Temperature, pressure and differential pressure on the valve must be within the specification of valve.
- The opening and closing of valve is below.

Shaft	Through-port	By-pass
Downward	Open	Close
Upward	Close	Open

Dimension



(unit : mm)

Model	DN		A	B	C	S	H1	H2	T	H		Weight Valve(Kg)
	mm	inch								KEA-10A(P)	KEA-20A(P)	
KXS 21.15	15	1/2"	100	60	PT 1/2"	10	44	67.5	41	321	326	1.5
KXS 21.20	20	3/4"	100	60	PT 3/4"	10	44	67.5	50	321	326	1.7
KXS 21.25	25	1"	105	65	PT 1"	10	50	67.5	55	330	334	1.9
KXS 21.32	32	1 1/4"	105	65	PT 1 1/4"	10	50	67.5	70	330	334	2.2
KXS 21.40	40	1 1/2"	130	85	PT 1 1/2"	10	60	67.5	75	356	346	3.6
KXS 21.50	50	2"	150	85	PT 2"	10	61	67.5	90	358	346	4.5

(KXF21 Series)



Description

KXF21 series 3-way flanged control globe valve made in cast iron is designed and manufactured for the control of Heating, Cooling, Ventilating or Air conditioning system with KEA series(On-Off or Modulating)

Technical Data

- Operating pressure : 10Kg/cm²
- Operating temperature : -25 ~ 130 °C
- Valve characteristics : Linear
- Leakage rate : 1)Through-port : ≤0.01% of Kvs value Class IV (ANSI B 16.104)
2) By-pass : ≤0.1% of Kvs value
- Connection : JIS 10K RF FLANGED TYPE

Application

- Hot water: Max 130 °C
- Chilled water : Min -25 °C
- Mixed or Blended water:
 - Oxygen absorbed compound
 - Anti-freeze including glycol(Max. 50%).

※ Close-off pressure

Model	DN		Flow rate		Stroke	Sv	Actuator ΔPmax(Kgf/cm ²)					
	mm	inch	Kvs	CV	mm		KEA-10A[P]		KEA-20A[P]		KEA-35A[P]	KEA-55A[P]
							Mixing	Diverting	Mixing	Diverting	Mixing	Mixing
KXF21.20	20	3/4"	5	5.8	20	50	8	4	8	4		
KXF21.25	25	1"	10	11.7	20	50	8	4	8	4		
KXF21.32	32	1 1/4"	16	18.7	20	50	7	3	8	4		
KXF21.40	40	1 1/2"	25	29	20	50			8	4		
KXF21.50	50	2"	39	45	20	50			6	3		
KXF21.65	65	2 1/2"	65	75.8	20	50			4	2		
KXF21.80	80	3"	91	106	20	50			3			
KXF21.100	100	4"	139	152	40	50					3.4	
KXF21.125	125	5"	188	219	40	50					2	3.4
KXF21.150	150	6"	283	330	40	50						2.3

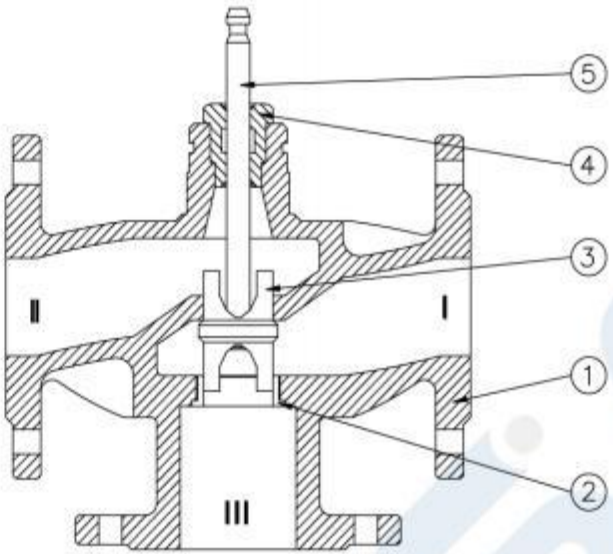
Sv : Rangeability (VDI 2173)

* Kv=Cv/1.167

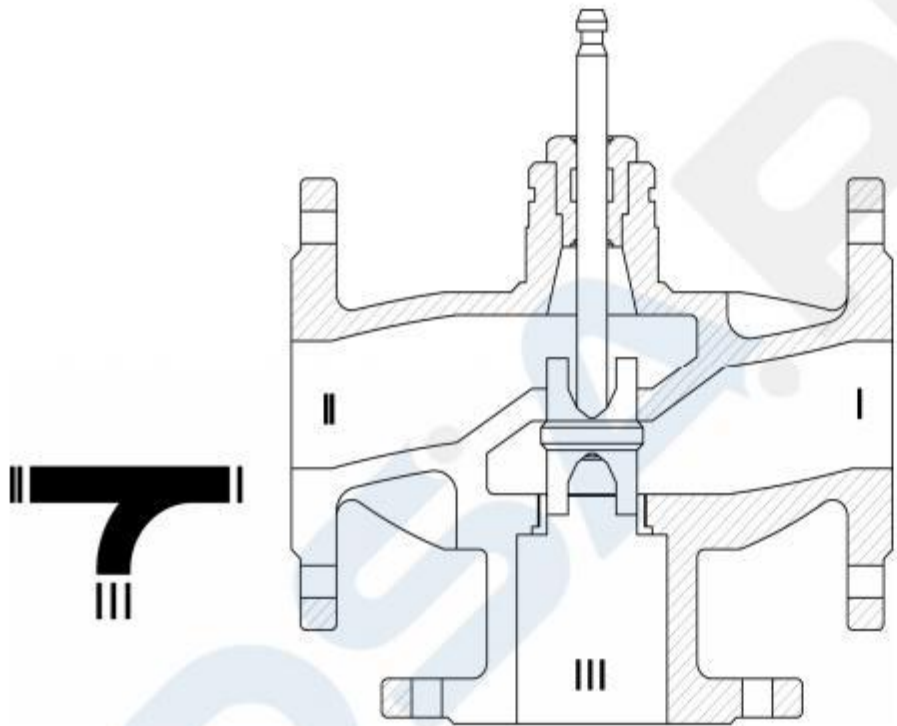
ΔPv in kgf/cm² : The max. allowable differential pressure of valve in the fully open position when installed as a full loadΔPvmax in kgf/cm² : The max allowable differential pressure of actuator to prevent the leakage of fluid when valve is closed.

Material

No	1	2	3	4	5
Part Name	Body	Cover	Plug	Packing Box	Stem
Material	FC20(A126)	FC20(A126)	SCS13 (A351CF8)	Viton, O-RING	SUS304 (AISI304)



Mechanical Data



- Plug is connected directly with valve stem.
- Specially treated seat is fixed on the valve body.

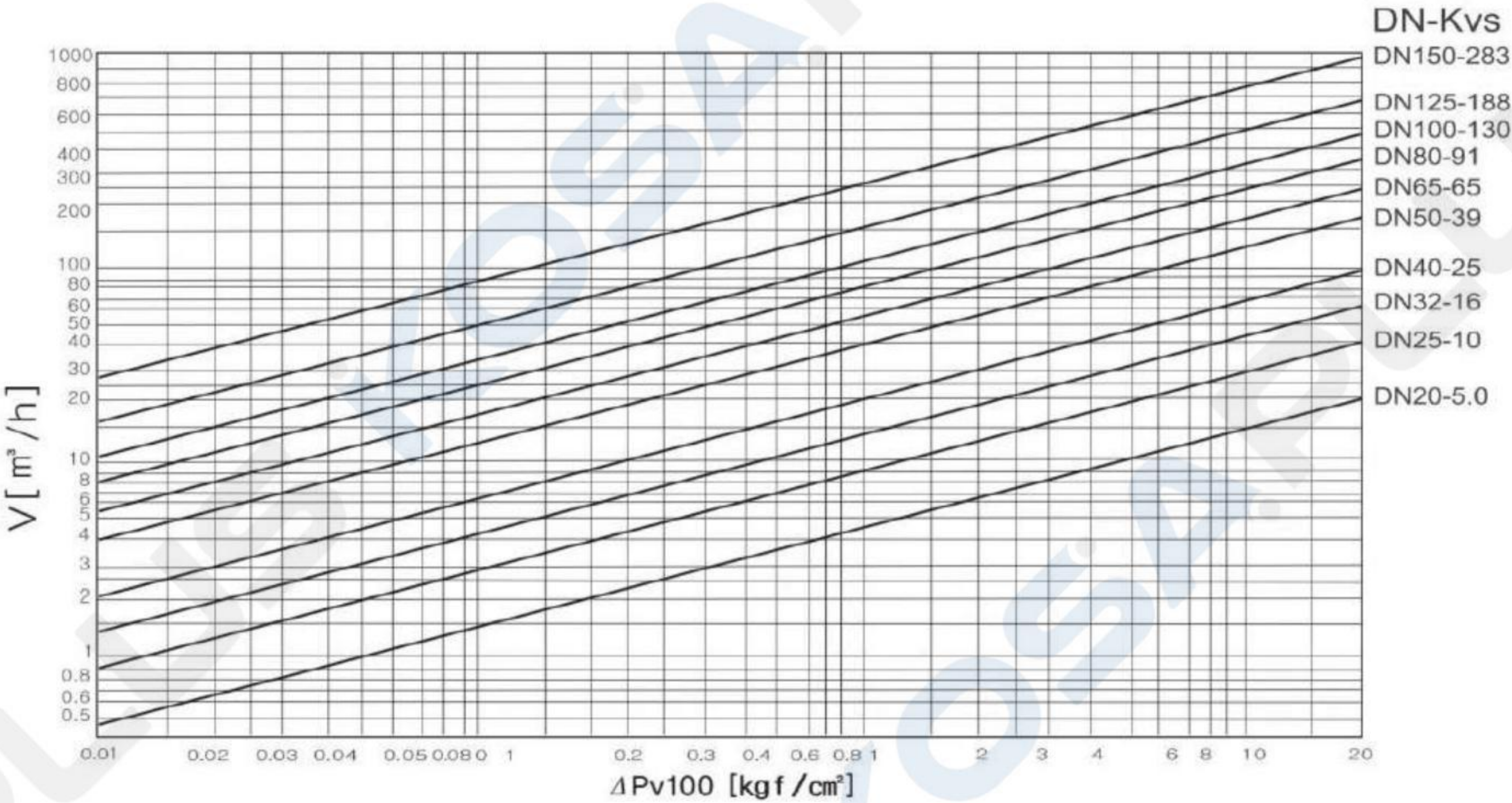


Mixing Type



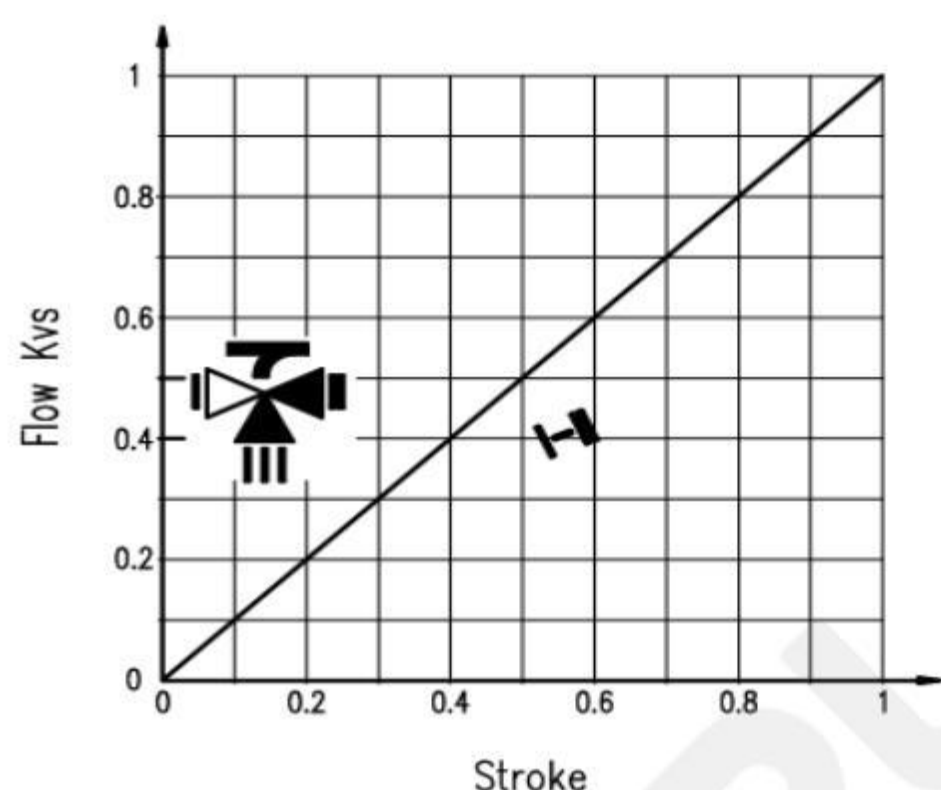
Diverting Type

Valve Sizing Chart



V : WATER FLOW (m³/h)
ΔPv : VALVE PRESSURE DROP(Kgf/cm²)

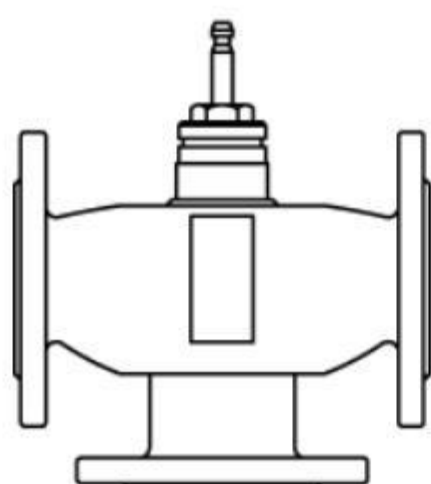
Valve Characteristics



- Valve characteristics : Linear
- Rangeability - 30 : 1

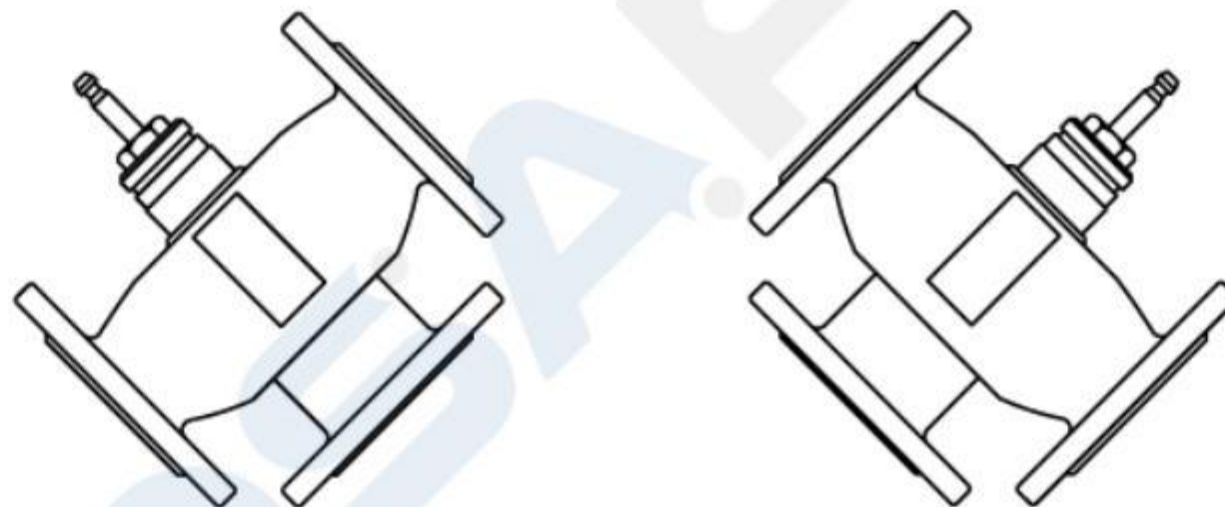
Mounting and Installation Guide

- Valve and Actuator can be supplied by assembly or separately.
- Before installing the valve, clean the pipe or flange and remove all slag, impurities or debris.
- The pipes shall be perfectly aligned with the valve body.
- For heating and steam system, it is recommend to be installed around low temperature area where water is returning or circulating in order to prolong the life of packing.
- Recommend to install strainer at the inlet of valve.
- Mounting positions.

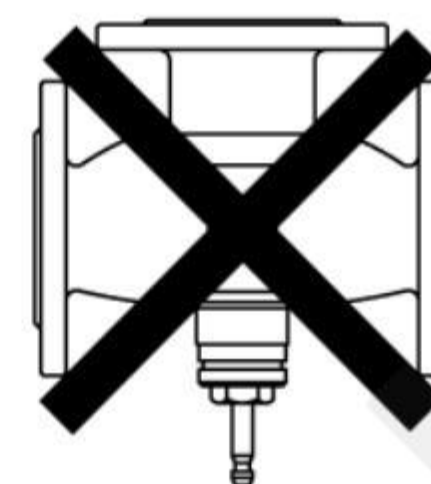


<Recommended>

⊗ Do not install valve downwards.



<Partially accepted>



<Not recommended>

- While mounting, correspond the fluid directions with the arrows on the valve body.
In case of mixing, valve is installed as the same direction of fluid flow. (From A & B to AB)

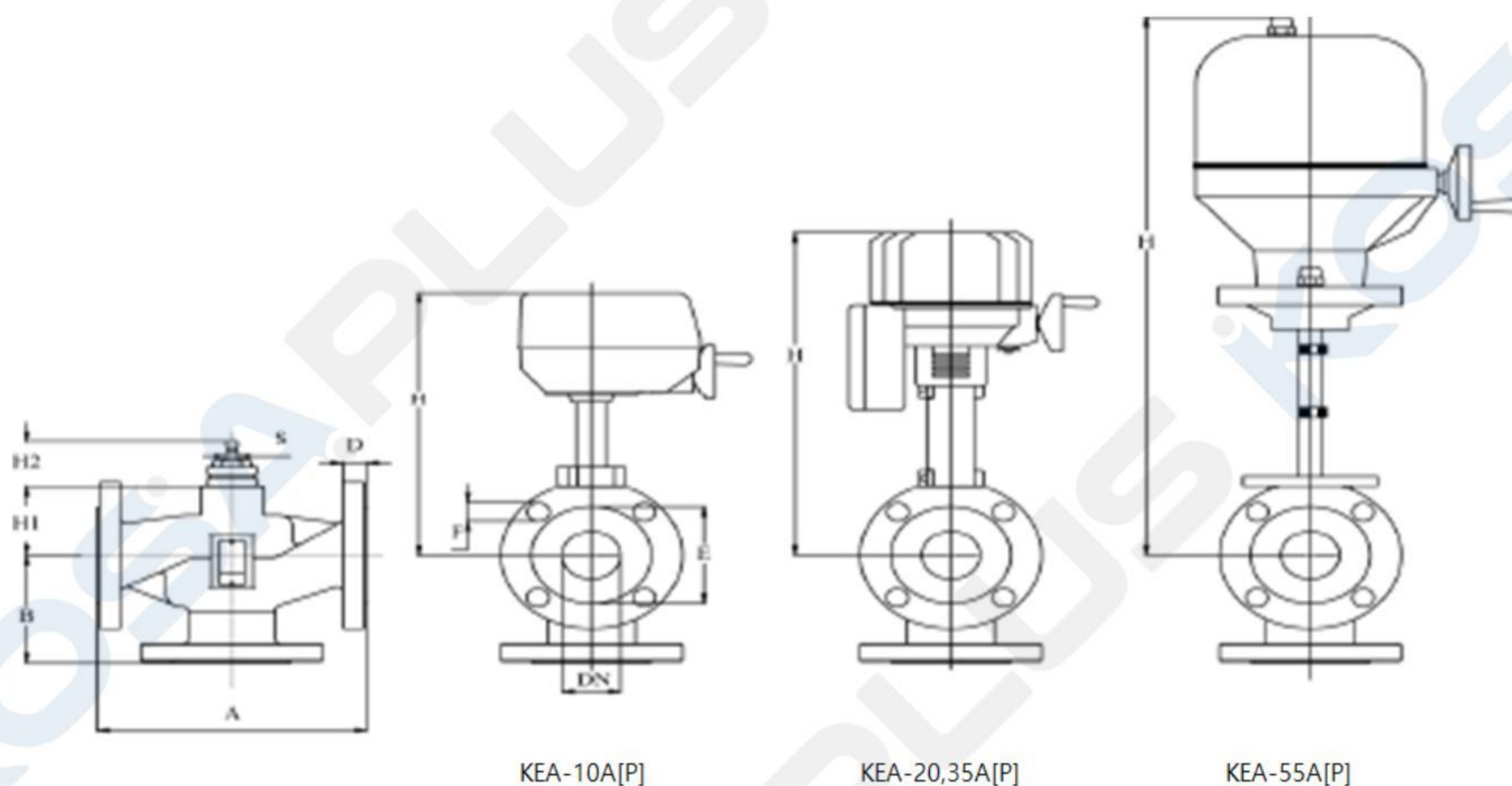


Commissioning Guide

- Trial run should be conducted after actuator is mounted on the valve correctly.
- Flow direction must correspond to the indication on the valve body.
- Temperature, pressure and differential pressure on the valve must be within the specification of valve.
- The opening and closing of valve is below.

Shaft	Through-port	By-pass
Downward	Open	Close
Upward	Close	Open

Dimension



(unit : mm)

Model	DN	A	C	D	E	B	H2	H1	F	H				Weight Valve(Kg)
										KEA-10	KEA-20	KEA-35	KEA-55	
KXF 21. 20	20	150	100	18	75	130	67.5	34	15X4	245	305			4.5
KXF 21. 25	25	160	125	18	90	130	67.5	34	19X4	245	305			4.8
KXF 21. 32	32	200	135	20	100	165	67.5	39	19X4	250	310			8.5
KXF 21. 40	40	200	140	20	105	165	67.5	39	19X4	250	310			8.8
KXF 21. 50	50	230	155	20	120	110	67.5	39	19X4	250	310			18
KXF 21. 65	65	290	175	22	140	150	92.5	60	19X4		335			24
KXF 21. 80	80	310	185	22	150	150	92.5	60	19X8		335			32
KXF 21.100	100	350	210	24	175	180	92.5	91	19X8			390	620	45
KXF 21.125	125	400	250	24	210	205	92.5	102	23X8			400	625	62
KXF 21.150	150	485	280	26	240	245	92.5	118	23X8			420	638	74



Description

KXF21 series 3-way flanged control globe valve made in case steel is designed and manufactured for the control of Heating, Cooling, Ventilating or Air conditioning system with KEA series(On-Off or Modulating)

Technical Data

- Operating pressure : 10Kg/cm²
- Operating temperature : -25 ~ 130 °C (KXF21)
-25 ~ 180 °C (KXF22)
- Valve characteristics : Linear
- Leakage rate : 1)Through-port : ≤0.01% of Kvs value Class IV (ANSI B 16.104)
2) By-pass : ≤0.1% of Kvs value
- Connection : JIS 10K RF FLANGED TYPE (KXF21)
JIS 20K RF FLANGED TYPE (KXF22)

Application

- Hot water: Max 130 °C
- Chilled water : Min -25 °C

Model	DN		Flow rate		Stroke	Sv	Close-off pressure	
							Actuator ΔPmax(Kgf/cm ²)	
	mm	inch	Kv	Cv	mm		KEA-100A[P]	KEA-250A[P]
KXF21.200	200	8"	594	696	50	50	2.4	6.1
KXF21.250	250	10"	906	1057	60	50	1.6	3.9
KXF21.300	300	12"	1608	1875	75	50		2.7
KXF21.350	350	14"	2509	2928	80	50		2

Sv : Rangeability (VDI 2173)

* Kv=Cv/1.167

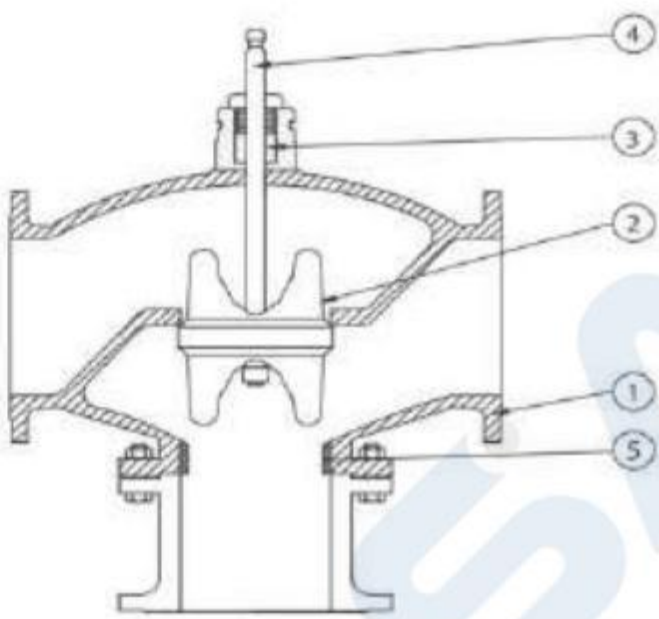
ΔPv in kgf/cm² : The max. allowable differential pressure of valve in the fully open position when installed as a full load

ΔPvmax in kgf/cm² : The max allowable differential pressure of actuator to prevent the leakage of fluid when valve is closed.

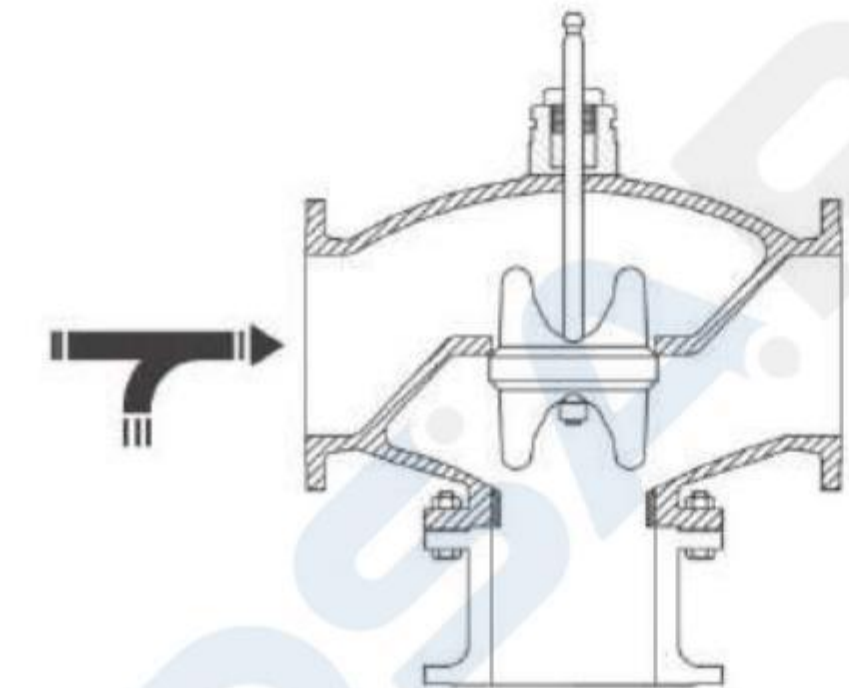
Material

No	1	2	3	4	5
Part Name	Body	Plug	Packing	Stem	Seat Ring
Material	SCPH2 (A216 WCB)	SCS13	Teflon	SUS304	FC

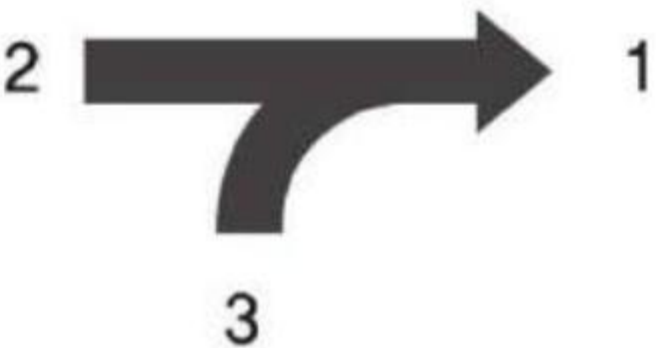
(Ductile Iron is available at request)



Mechanical Data



- Plug is connected directly with valve stem.
- Specially treated seat is fixed on the valve body.

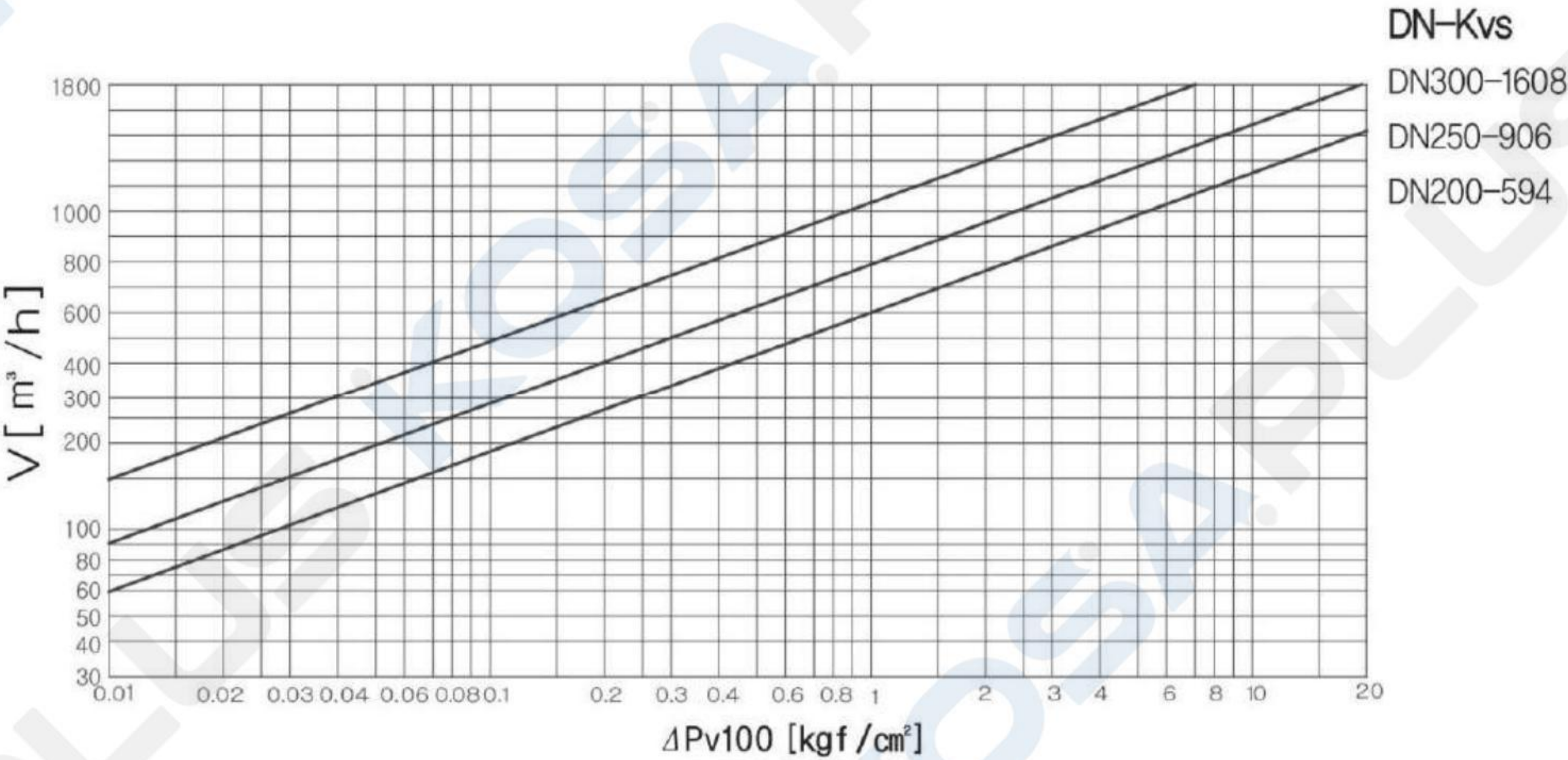


Mixing Type



Diverting Type

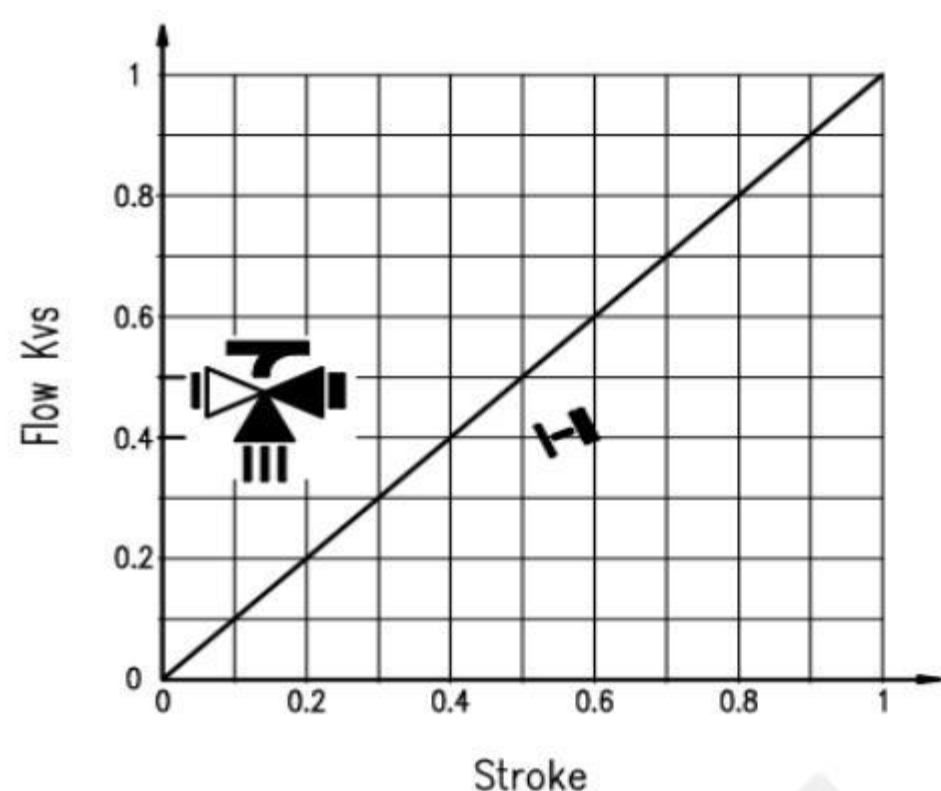
Valve Sizing Chart



V : WATER FLOW (m³/h)

ΔPv : VALVE PRESSURE DROP(Kgf/cm²)

Valve Curve

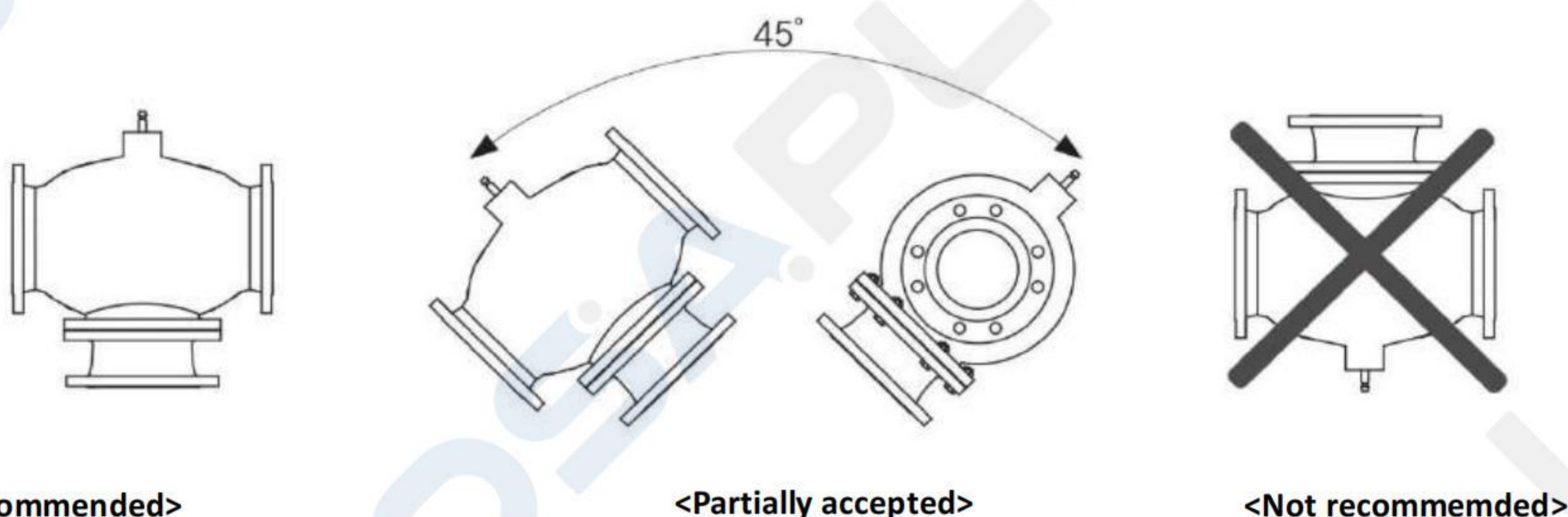


- Valve characteristics : Linear
- Rangeability - 30 : 1

Mounting and Installation Guide

- Valve and Actuator can be supplied by assembly or separately.
- For heating and steam system, it is recommend to be installed around low temperature area where water is returning or circulating in order to prolong the life of packing.
- Recommend to install strainer at the inlet of valve.

- Mounting positions.



✕ Do not install valve downwards.

- While mounting, correspond the fluid directions with the arrows on the valve body.
In case of mixing, valve is installed as the same direction of fluid flow. (From A & B to AB)

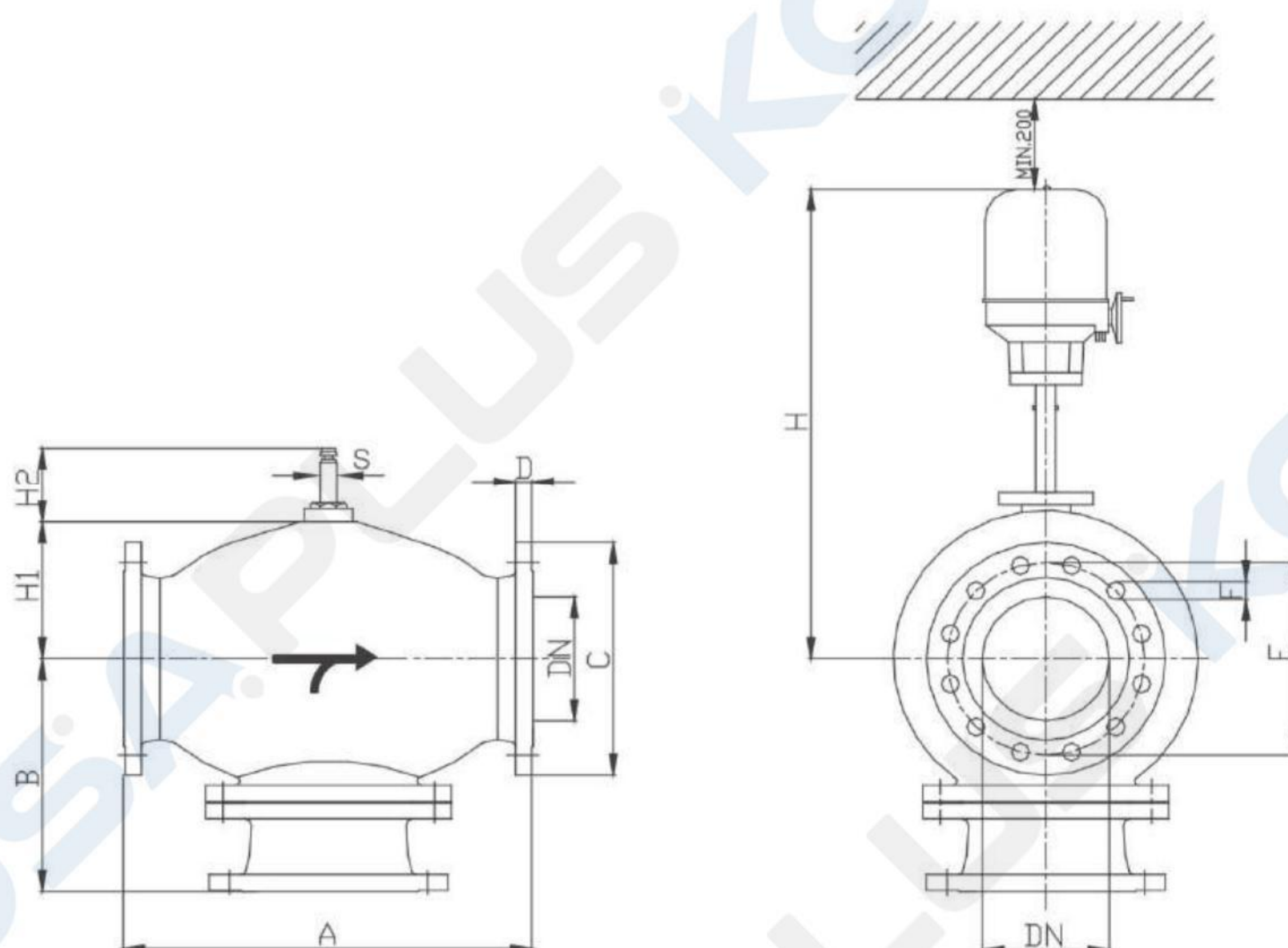


Commissioning Guide

- Trial run should be conducted after actuator is mounted on the valve correctly.
- Flow direction must correspond to the indication on the valve body.
- Temperature, pressure and differential pressure on the valve must be within the specification of valve.
- The opening and closing of valve is below.

Shaft	Through-port	By-pass
Downward	Open	Close
Upward	Close	Open

Dimension



JIS 10K RF, KS 10K RF(KS B 1511)

(unit : mm)

Model	DN	A	C	S	D	E	F	B	H2	H1	H	Weight Valve(Kg)
											KEA-100/250	
KXF 21. 200	200	580	330	20	26	290	23X12	245	115	225	820	170
KXF 21. 250	350	680	400	20	30	355	25X12	450	170	245	890	290
KXF 21. 300	300	800	445	20	32	400	25X16	498	170	265	930	388
KXF 21. 350	350	880	490	20	34	445	25X16	570	190	310	990	450

JIS 20K RF, KS 20K RF

(unit : mm)

Model	DN	A	C	S	D	E	F	B	H2	H1	H	Weight Valve(Kg)
											KEA-100/250	
KXF 22. 200	200	580	350	20	34	305	25X12		115	225	820	187
KXF 22. 250	250	680	430	20	38	380	27X12		170	245	900	315
KXF 22. 300	300	800	480	20	40	430	27X16		170	285	940	408



Description

- KXF23 is 3-way flanged type globe valve with ductile iron can be used for control of temperature or shut-off valve mounting on KEA Actuator.
- Mixing or Diverting type available.

Technical Data

- Operating pressure : 10Kgf/cm²
- Operating temperature : -10 ~ 180 °C
- Valve characteristic : Linear
- Leakage rate : ≤0.01% of Kvs value Class IV
- Flange connection : JIS 10K RF type

Application

- Applicable to Heating, Ventilating, Air conditioning or Control of temperature with KEA series.
- Applied fluid : Water, Steam
- Saturated steam, High temperature steam

Model	DN	FLOW		Stroke	Sv	Actuator ΔPmax(Kgf/cm²)					
	mm	Kvs	Cv	mm		KEA-20A(P)		KEA-35A(P)		KEA-55A(P)	
						Mixing	Diverting	Mixing	Diverting	Mixing	Diverting
KXF33-15	15	3	3.5	10	50	10	8				
KXF33-20	20	5	5.8	10	50	10	8				
KXF33-25	25	10	11.7	10	50	10	8				
KXF33-32	32	16	18.7	12	50	10	8				
KXF33-40	40	25	29	12	50	9	7				
KXF33-50	50	39	45	15	50			9	7		
KXF33-65	65	65	75.8	18	50			7.3	5.8		
KXF33-80	80	91	106	22	50			4.8	3.8	7.6	6
KXF33-100	100	130	152	28	50					4.9	3.9
KXF33-125	125	188	219	32	50					3.2	2.6
KXF33-150	150	283	330	35	50					2.5	2

Sv : Rangeability (VDI 2173)

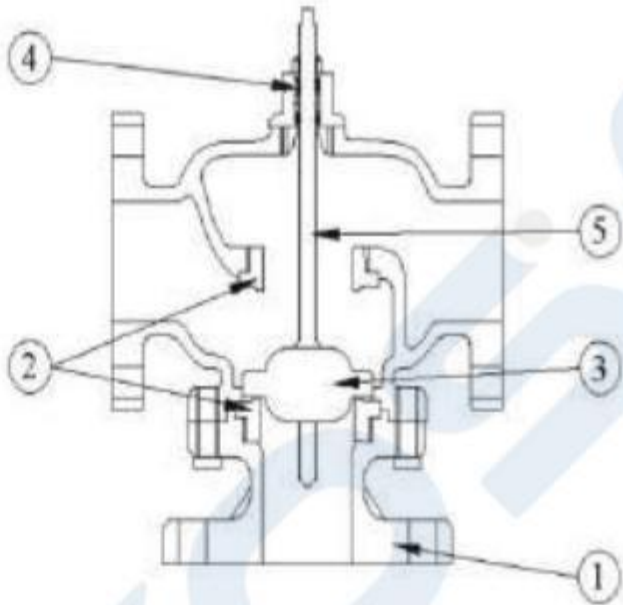
* Kv=Cv/1.167

ΔPv in kgf/cm² : The max. allowable differential pressure of valve in the fully open position when i

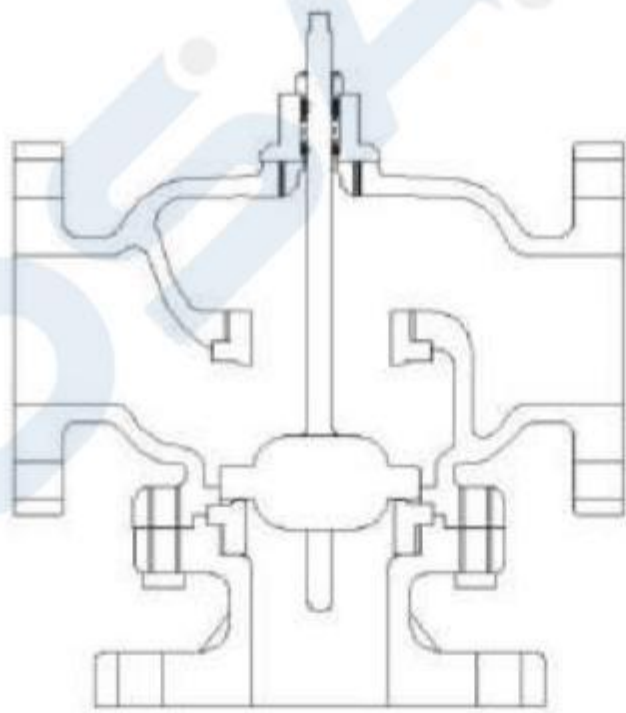
ΔPvmax in kgf/cm² : The max allowable differential pressure of actuator to prevent the leakage of fluid when valve is closed.

Material

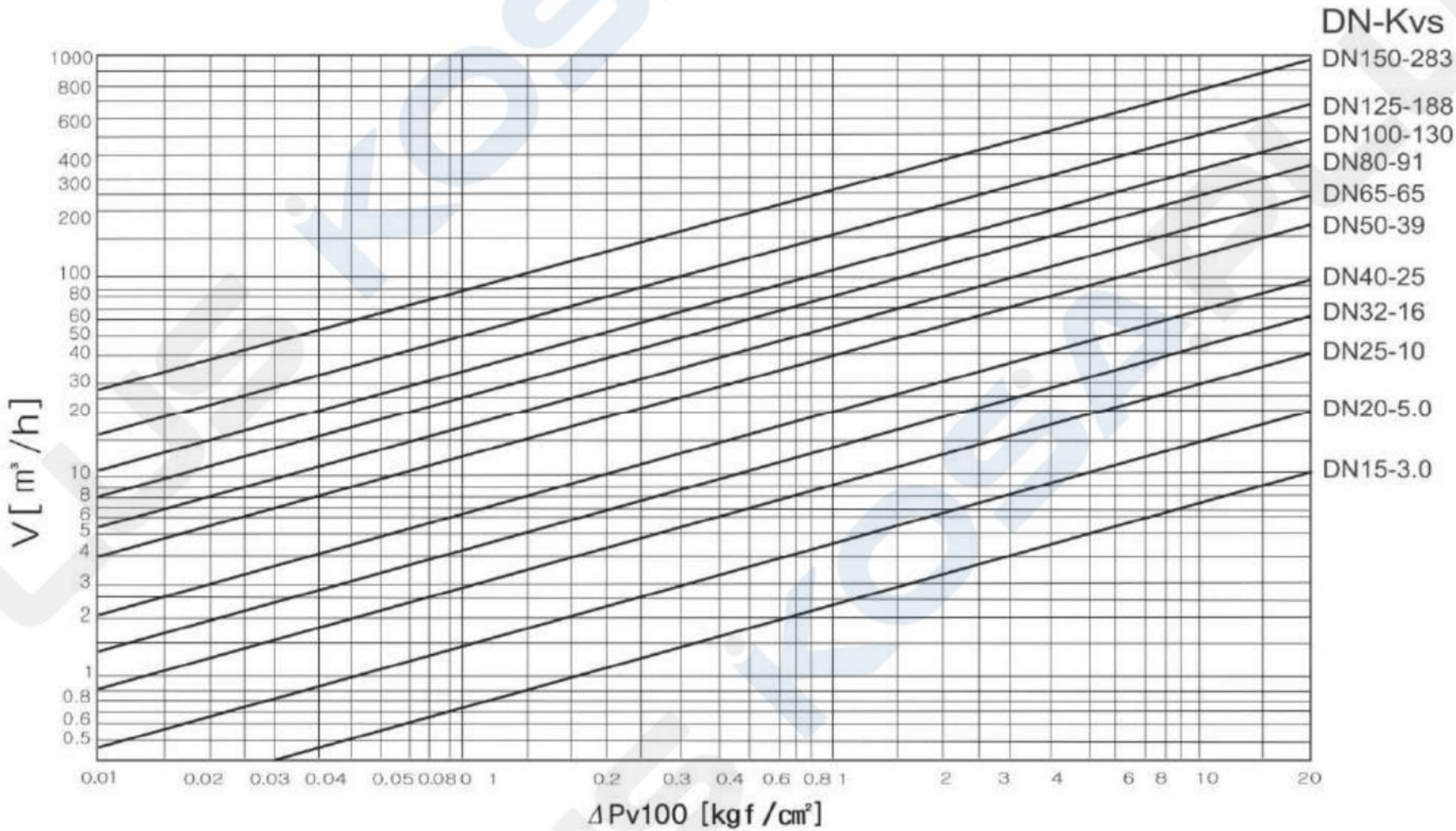
No	1	2	3	4	5	6
Part Name	Body	Seat	Plug	Top cover	Gland packing	Stem
Material	A536 (FCD45)	A351CF8 (SUS304)	A351CF8 (SUS304)	A536 (FCD45)	Viton	SUS304



Mechanical Data

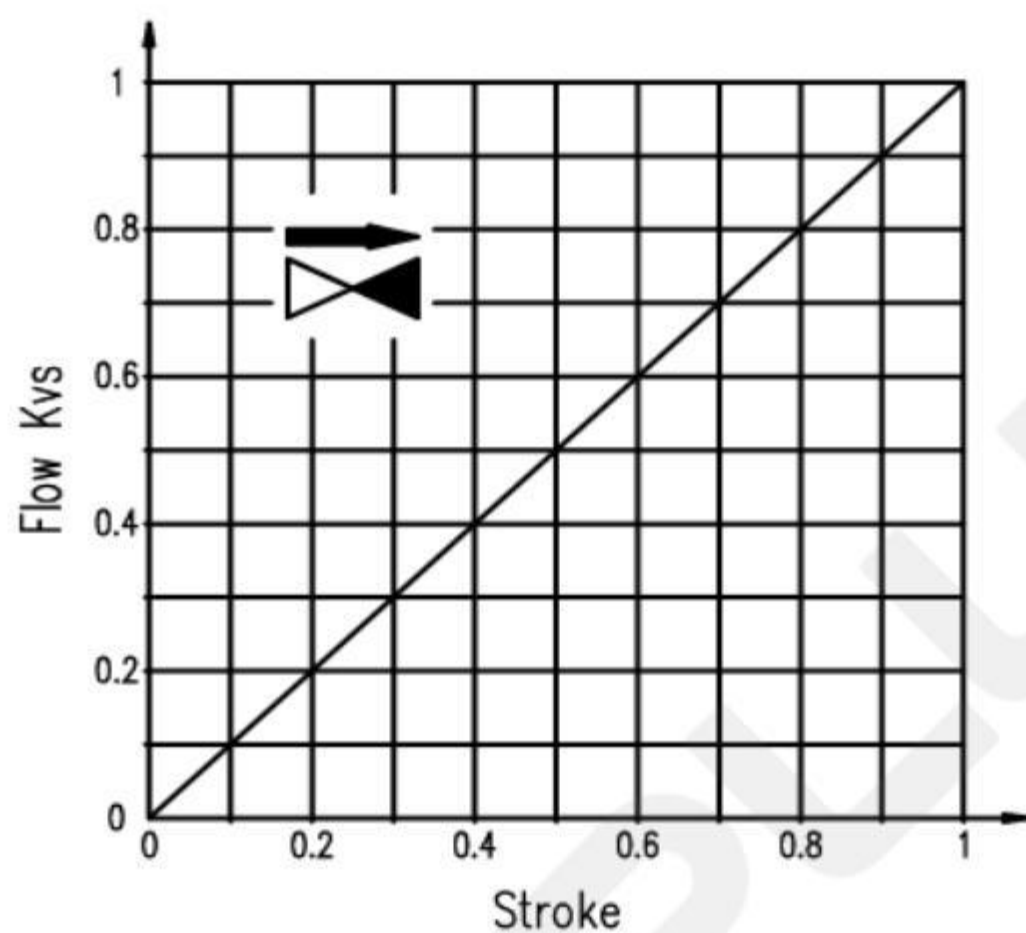


Valve Sizing Chart



V : Flow rate (m³/h)
 ΔPv : VALVE PRESSURE DROP(Kgf/cm²)

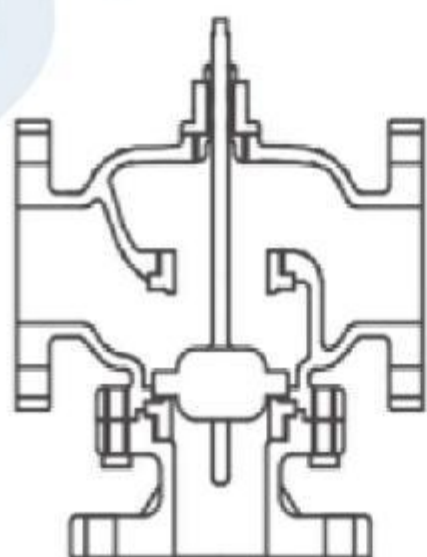
Valve Characteristics



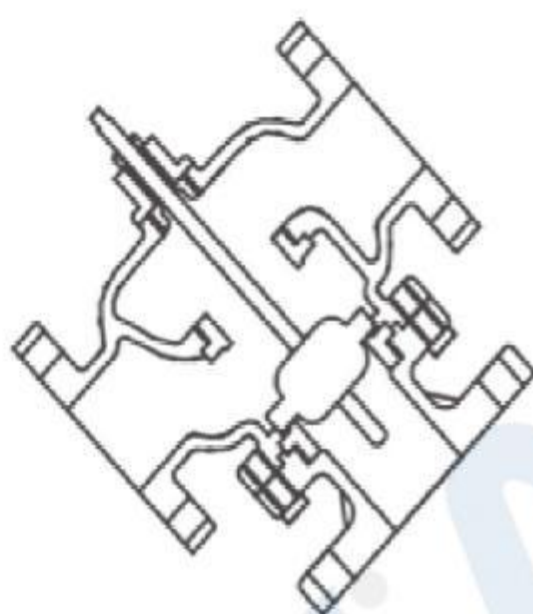
- Valve Curve Linear
- Rangeability - 50 : 1

Mounting and Installation Guide

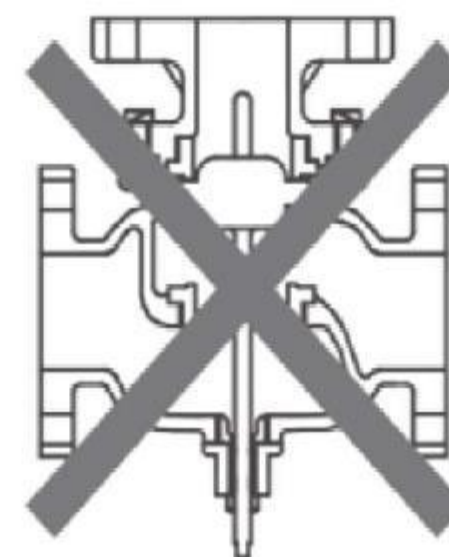
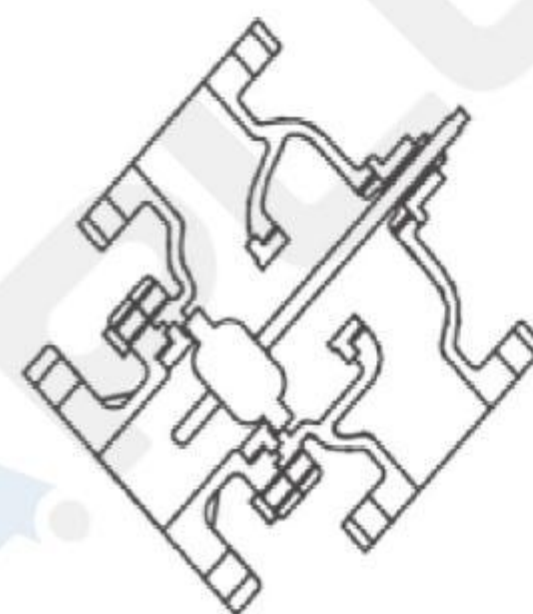
- Install strainer at inlet of valve
- The direction of flow rate and arrow mark of valve shall be same direction.
- Mounting positions.



<Recommended>



<Partially accepted>



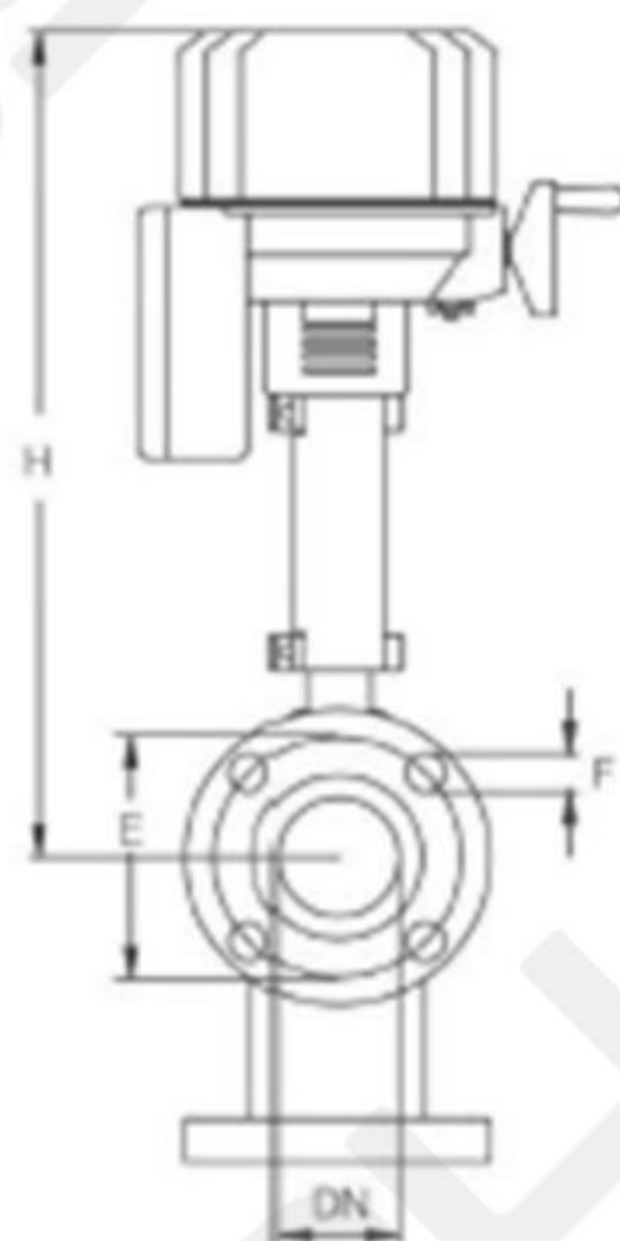
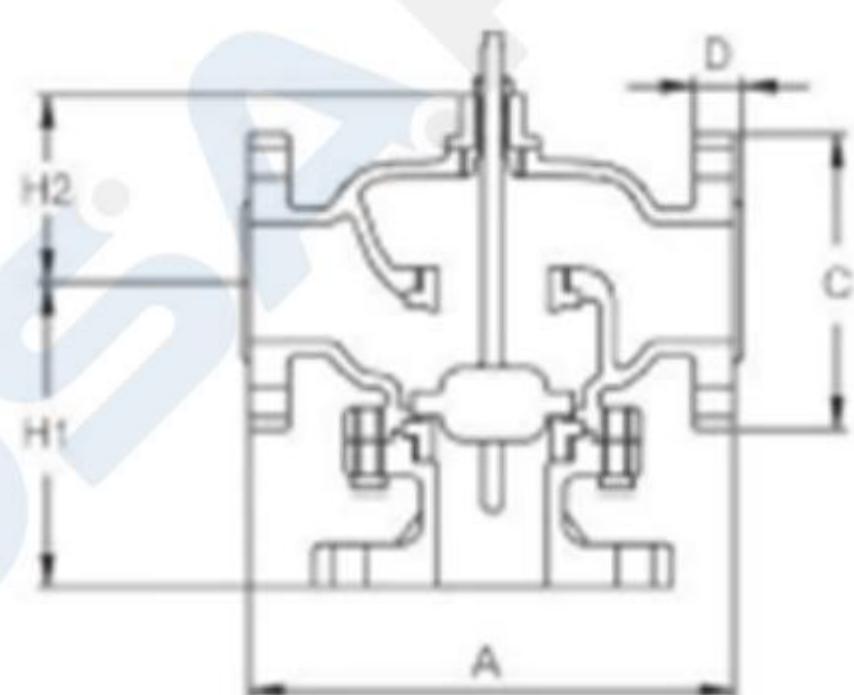
<Not recommended>

Commissioning Guide

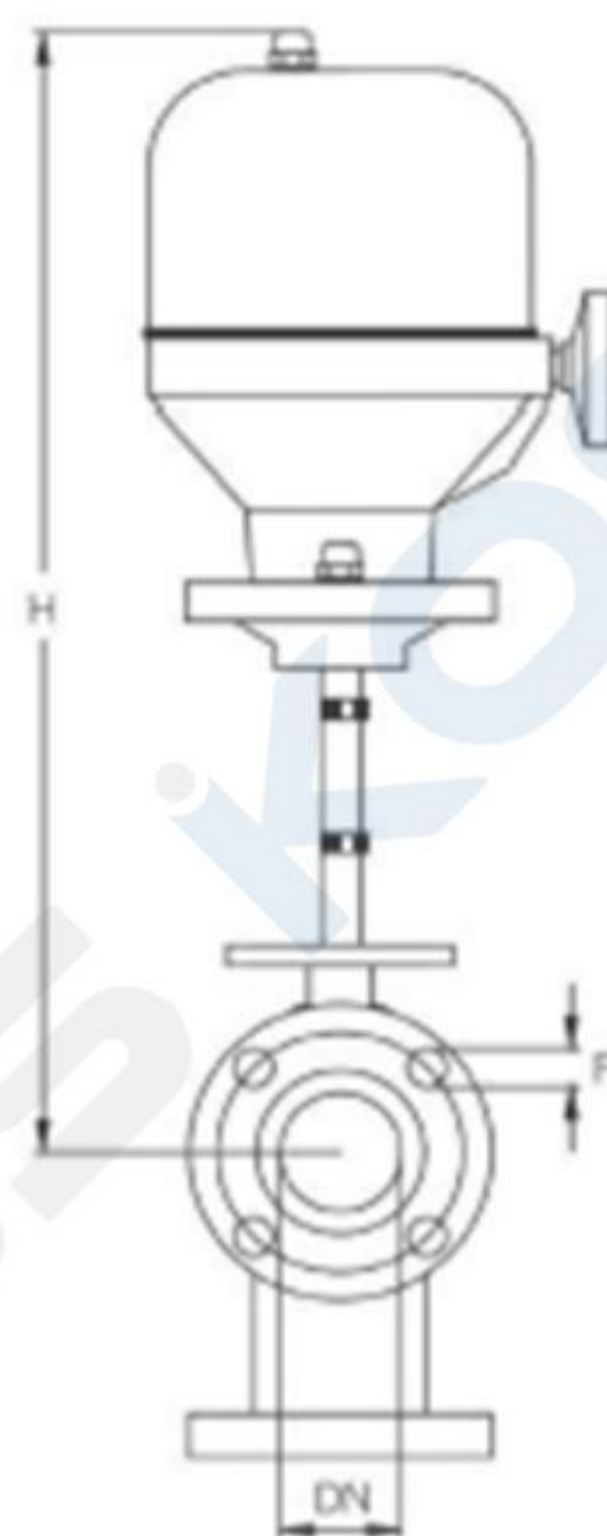
- Trial run should be conducted after actuator is mounted on the valve correctly.
- Flow direction must correspond to the indication on the valve body.
- Temperature, pressure and differential pressure on the valve must be within the specification of valve.
- The opening and closing of valve is below.

Stem	Through-port	By-pass
Up	Close	Open
Down	Open	Close

Dimension



KEA-20,35A[P]



KEA-55A[P]

(unit : mm)

Model	DN	A	C	D	E	F	H1	H2	H			Weight Valve(kg)
									KEA-20A(P)	KEA-35A(P)	KEA-50A(P)	
KXF 33-15	15	188	95	16	70	15*4	145	70	335			7.8
KXF 33-20	20	188	100	18	75	15*4	145	70	335			7.8
KXF 33-25	25	188	125	18	90	19*4	145	70	335			11
KXF 33-32	32	205	135	20	100	19*4	160	75		365		13.5
KXF 33-40	40	205	140	20	105	19*4	160	75		365		15
KXF 33-50	50	220	155	20	120	19*4	160	85		375		18
KXF 33-65	65	265	175	22	140	19*4	200	100		395		26.5
KXF 33-80	80	280	185	22	150	19*8	200	105		400	615	30.5
KXF 33-100	100	330	210	24	175	19*8	210	125		420	635	42.5
KXF 33-125	125	370	250	24	210	23*8	235	145			655	61.5
KXF 33-150	150	412	280	26	240	23*8	235	165			675	84.5

(KXF-D Series)



Description

KXF-D Series 3-Way diverting globe valve with ductile iron and stainless steel trim can be used for heating, cooling, air-conditioning or ice thermal storage systems.

KXF-D Series is controlled by KEA Actuator

Technical Data

- Operating pressure : 10Kg/cm²
- Operating temperature : -25 ~ 130 °C
- Valve characteristics : Linear
- Leakage rate : 1) Through-port : ≤0.01% of Kvs value Class IV (ANSI B 16.104)
2) By-pass : ≤0.1% of Kvs value
- Connection : JIS 10K RF FLANGED TYPE

Application

- Hot water: Max 130 °C
- Chilled water : Min -25 °C
- Mixed or Blended water:
 - Oxygen absorbed compound
 - Anti-freeze including glycol(Max. 50%).

※ Close-off pressure

Model	DN	Flow rate		Stroke	Sv	Actuator ΔPmax(Kgf/cm ²)				
	mm	Kvs	Cv			KEA-20A[P]	KEA-35A[P]	KEA-55A[P]	KEA-100A[P]	KEA-250A[P]
KXF-D 80	80	91	106	20	50	3.5				
KXF-D 100	100	130	152	40	50		4.0			
KXF-D 125	125	188	219	40	50		2.5	4.0		
KXF-D 150	150	283	330	40	50			3.0		
KXF-D 200	200	594	696	50	50				3.0	
KXF-D 250	250	906	1057	60	50					4.0

Sv : Rangeability (VDI 2173)

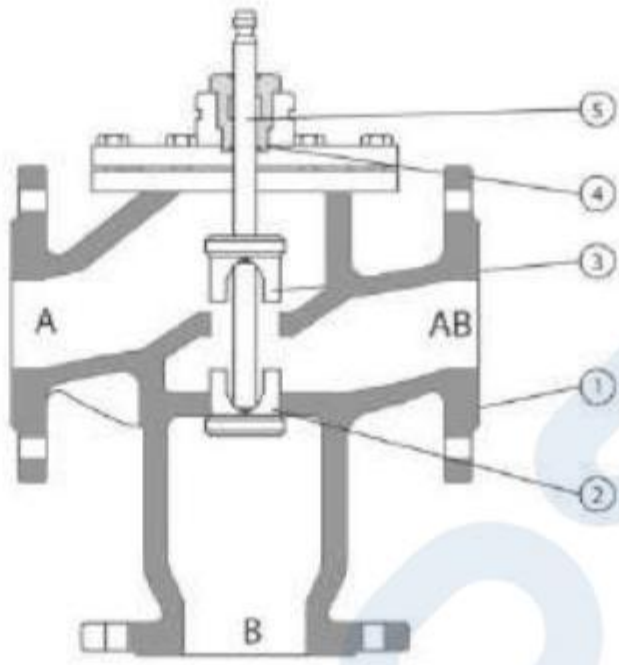
* Kv=Cv/1.167

ΔPv in kgf/cm² : The max. allowable differential pressure of valve in the fully open position when installed as a full load

ΔPvmax in kgf/cm² : The max allowable differential pressure of actuator to prevent the leakage of fluid when valve is closed.

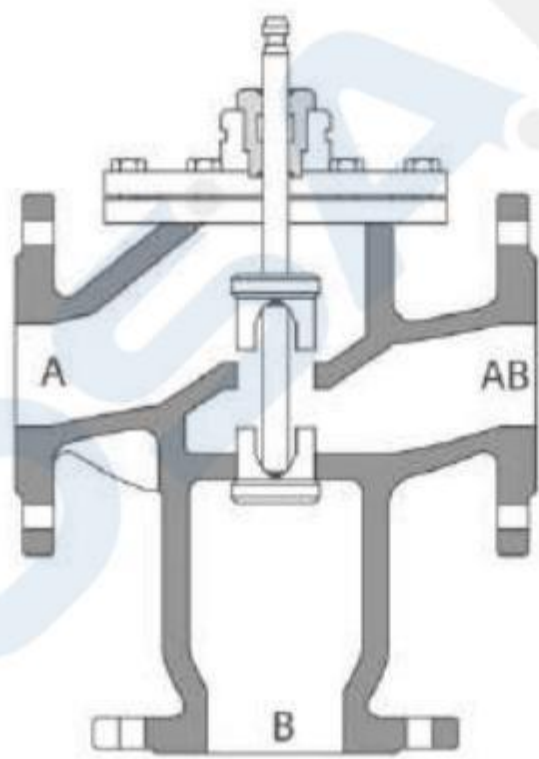
Material

No	1	2	3	4	5
Part Name	Body	Cover	Plug	Packing Box	Stem
Material	FC20(A126)	FC20(A126)	SCS13 (A351CF8)	Viton O-RING	SUS304 (AISI304)

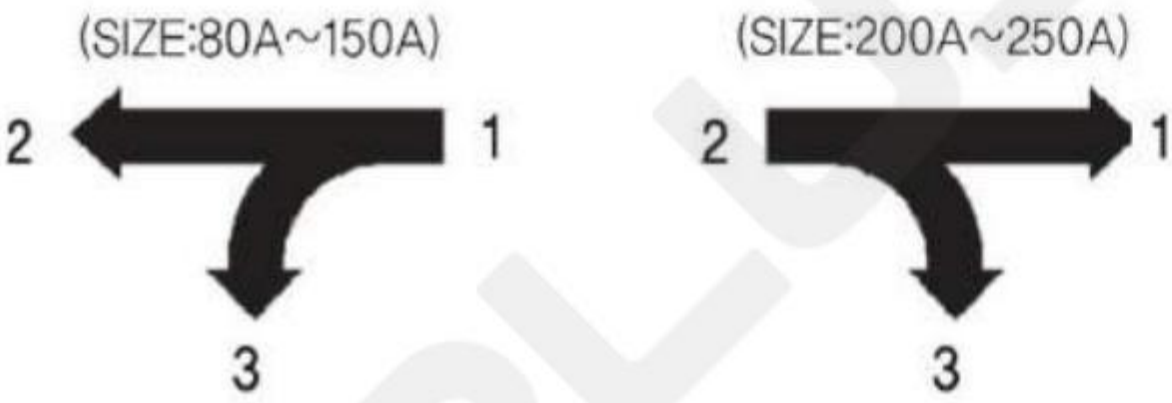


Mechanical Data

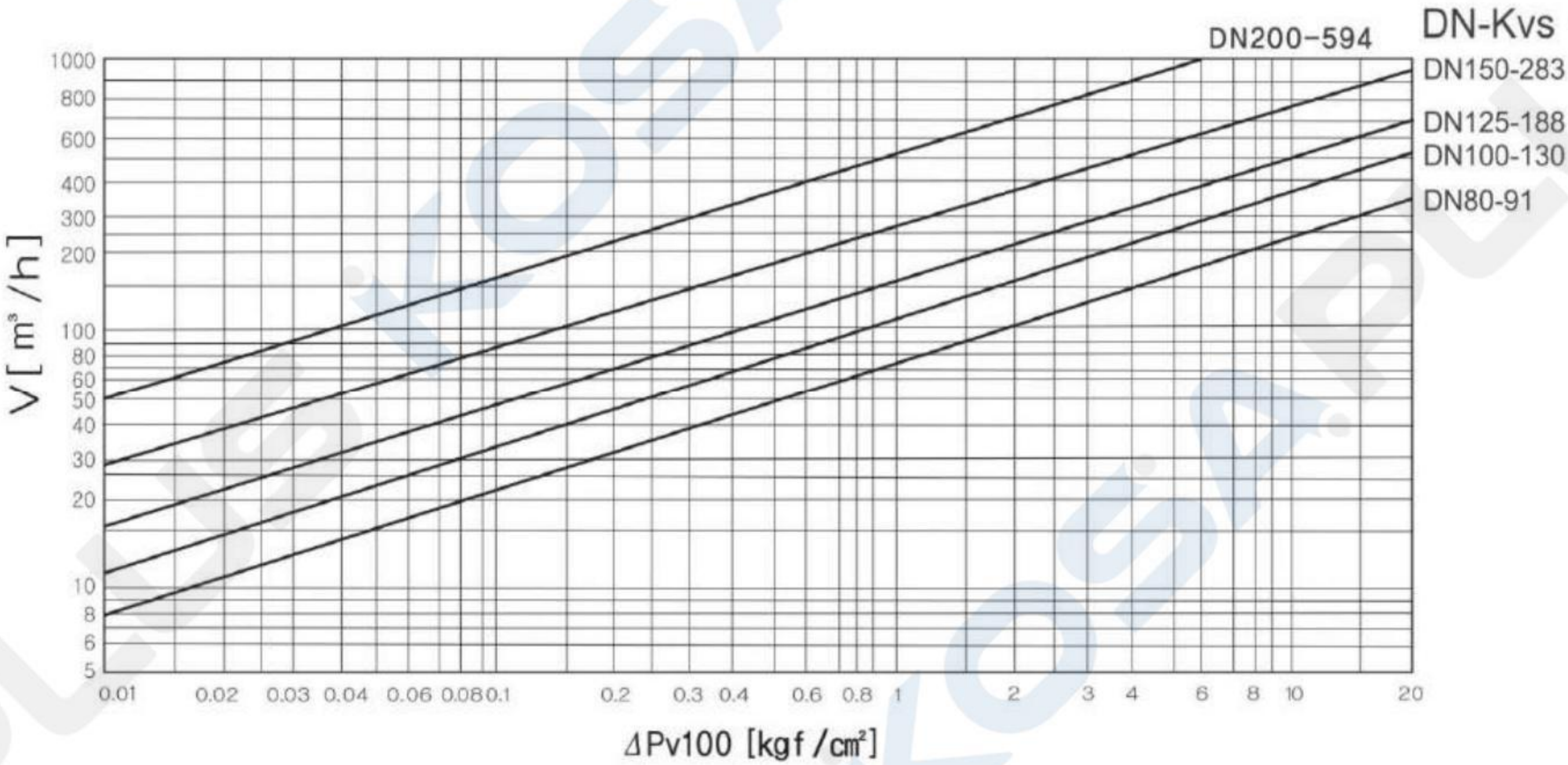
KXF -33 Series



- Plug is connected directly with valve stem.
- Specially treated seat is fixed on the valve body.

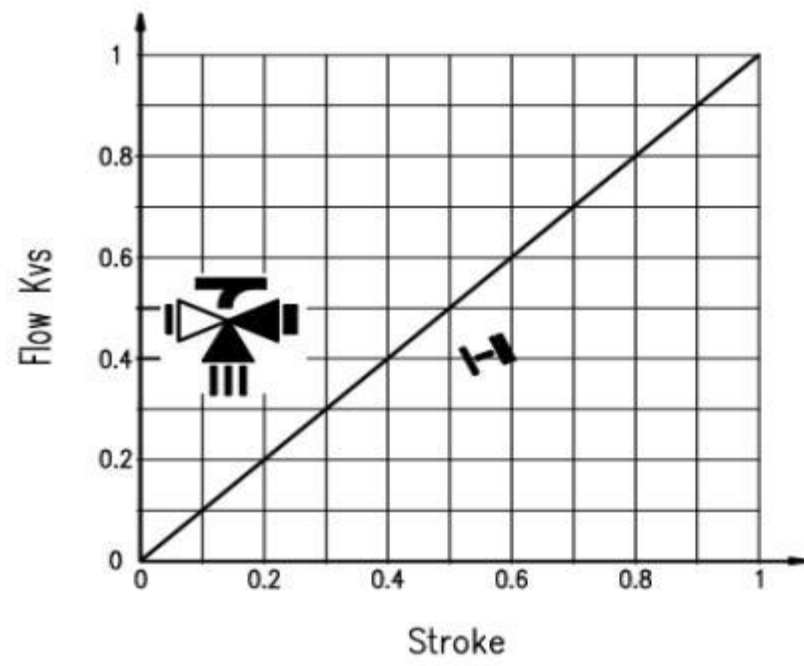


Valve Sizing Chart



V : WATER FLOW (m³/h)
ΔPv : VALVE PRESSURE DROP(Kgf/cm²)

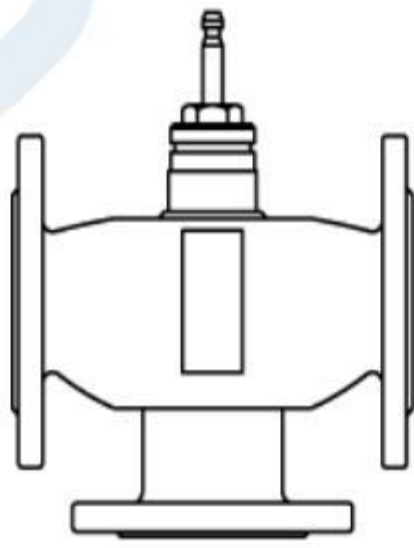
Valve Curve



- Valve characteristics : Linear
- Rangeability - 30 : 1

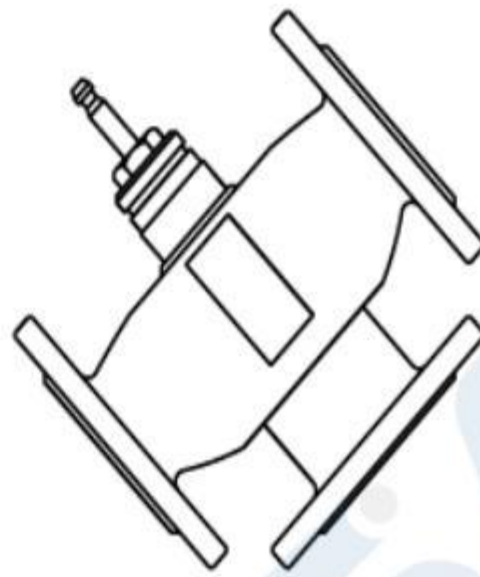
Mounting and Installation Guide

- Valve and Actuator can be supplied by assembly or separately.
- Before installing the valve, clean the pipe or flange and remove all slag, impurities or debris.
- The pipes shall be perfectly aligned with the valve body.
- For heating and steam system, it is recommend to be installed around low temperature area where water is returning or circulating in order to prolong the life of packing.
- Recommend to install strainer at the inlet of valve.
- Mounting positions.

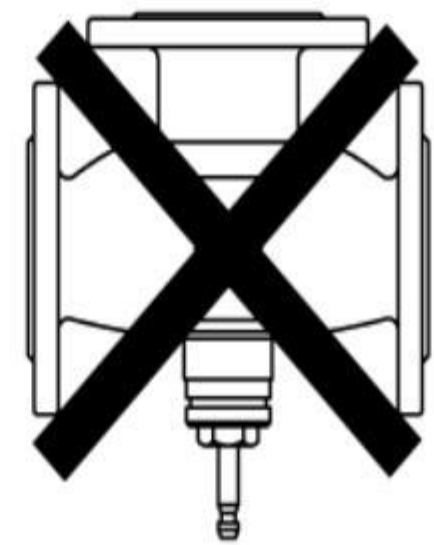
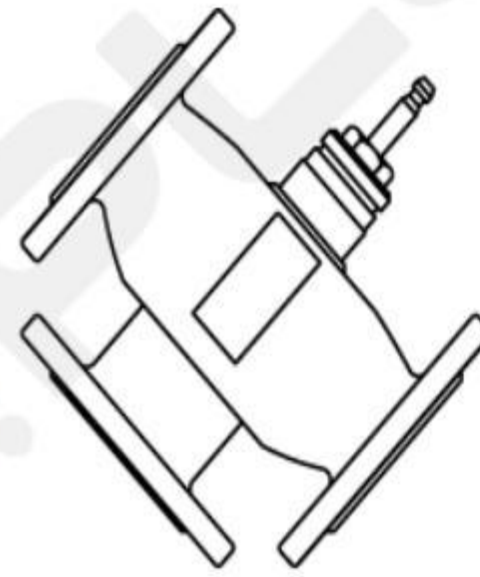


<Recommended>

⊗ Do not install valve downwards.



<Partially accepted>



<Not recommended>

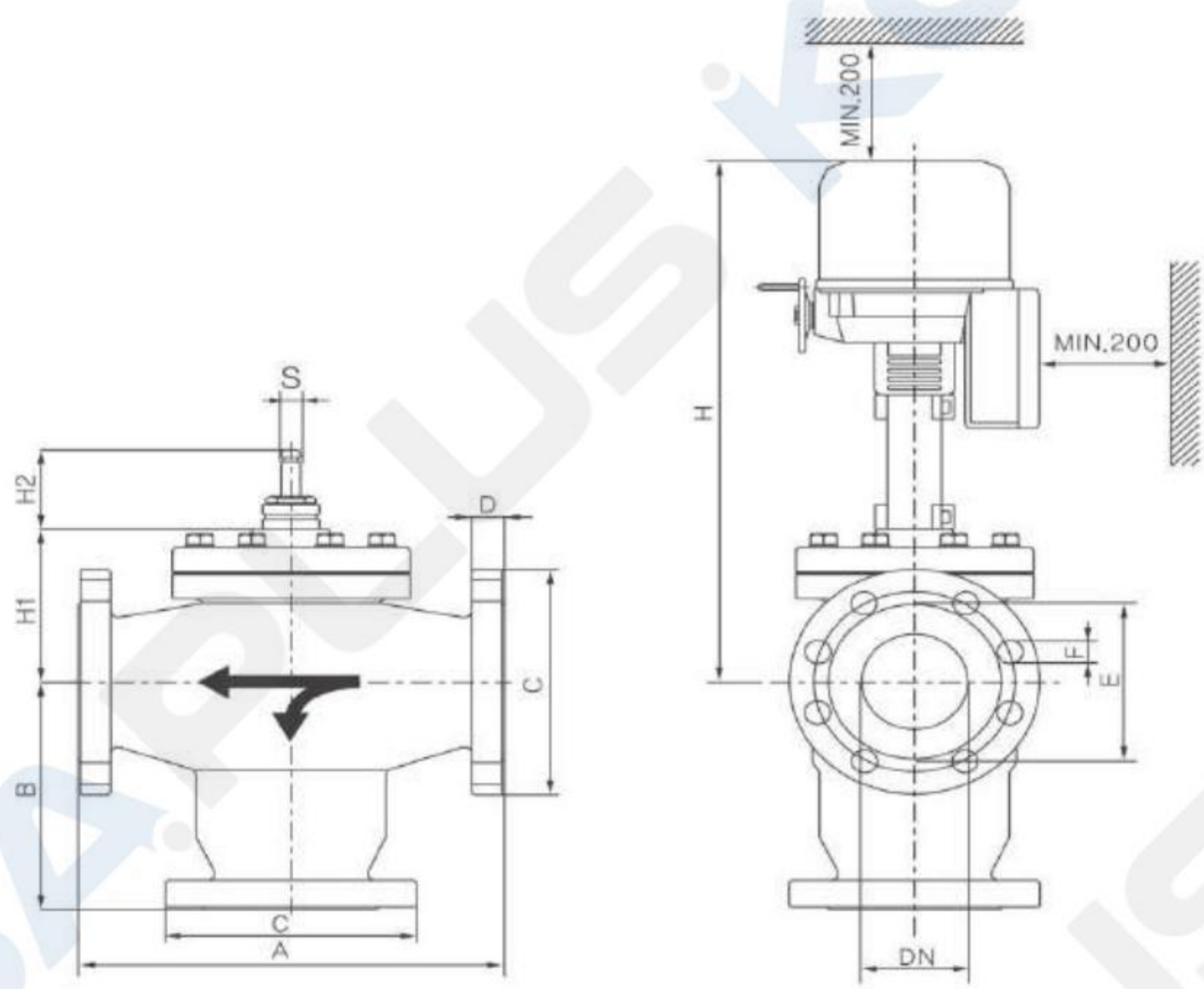
- While mounting, correspond the fluid directions with the arrows on the valve body.

Commissioning Guide

- Trial run should be conducted after actuator is mounted on the valve correctly.
- Flow direction must correspond to the indication on the valve body.
- Temperature, pressure and differential pressure on the valve must be within the specification of valve.
- The opening and closing of valve is below.

Stem	Through-port	By-pass
Down	Open	Close
Up	Close	Open

Dimension



(unit : mm)

Model	DN	A	C	S	D	E	F	B	H2	H1	H					Weight Valve(kg)
											KEA-20	KEA-35	KEA-55	KEA-100	KEA-250	
KXF-D 80	80	310	185	14	24	150	19*8	185	65	120	395	420				32
KXF-D 100	100	350	210	14	26	175	19*8	230	65	150		430	660			45
KXF-D 125	125	400	250	14	26	210	23*8	275	65	175		440	685			62
KXF-D 150	150	485	280	14	28	240	23*8	290	65	185		455	695			74
KXF-D 200	200	595	330	20	28	265	23*12	360	117	260				813		125
KXF-D 250	250	680	400	20	30	325	23*12	420	170						890	230

(KXF-S Series)



Description

KXF-S Series 3-Way Control Globe Valve with stainless steel can be used for heating, cooling, air-conditioning or ice thermal storage systems.

It is operated by KEA Actuator with On-Off or Modulating control.

- Nominal Stroke

DN 15 ~ DN 50 : 20 mm

DN 65 ~ DN150 : 40 mm

DN 200 ~ DN250 : 60 mm

Technical Data

- Operating pressure : JIS 10 Kg/cm²
- Operating temperature : -20 ~ 150 °C, DIN4747 / DIN3158
(In case temperature is +100 °C and above, packing shall be replaced)
- Valve characteristics : Linear
- Leakage rate : ≤0.01% of Kvs value Class IV (ANSI B 16.104)
- Flange connection : JIS 10K RF (JIS B2220)

※ Close-off Pressure

Model	DN mm	FLOW		Stroke mm	Sv	Actuator ΔPmax(Kgf/cm ²)				
		Kvs	Cv			KEA-20A(PD)	KEA-35A(PD)	KEA-55A(P)	KEA-100A(P)	KEA-100A(P)
KXF-S 20	20	5.6	6.5	20	50	10				
KXF-S 25	25	10.6	12.4	20	50	10				
KXF-S 40	40	25.4	29.6	20	50	10				
KXF-S 50	50	38.8	45.3	20	50	8				
KXF-S 65	65	64.2	74.9	40	50		8.1			
KXF-S 80	80	90.5	105.6	40	50		5.4			
KXF-S 100	100	130.2	151.9	40	50		3.4			
KXF-S 125	125	188	219.4	40	50			3.4		
KXF-S 150	150	283	330.3	40	50			2.4		
KXF-S 200	200	594	696	60	50				2.4	6.1
KXF-S 250	250	906	1057	60	50					3.9

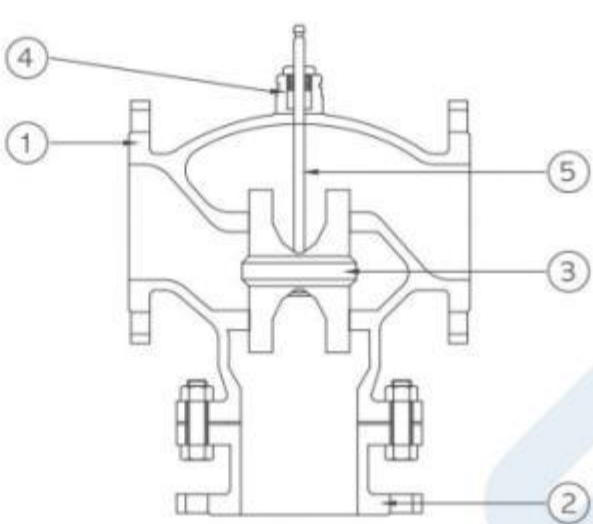
Sv : Rangeability (VDI 2173)

ΔPv in kgf/cm² : The max. allowable differential pressure of valve in the fully open position when installed as a full load

ΔPvmax in kgf/cm² : The max allowable differential pressure of actuator to prevent the leakage of fluid when valve is close

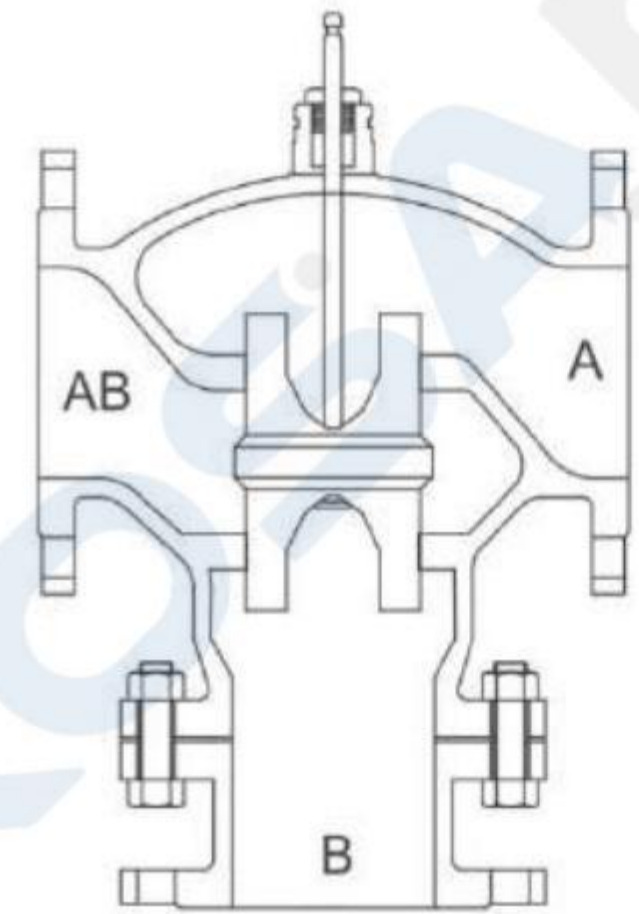
Material

No	1	2	3	4	5
Part Name	Body	Bonnet	DISC	GLAND PACKING (GASKET)	Stem
Material	SCS14 (CF8M) SUS316	SCS14 (CF8M) SUS316	SUS316	PTFE	SUS316

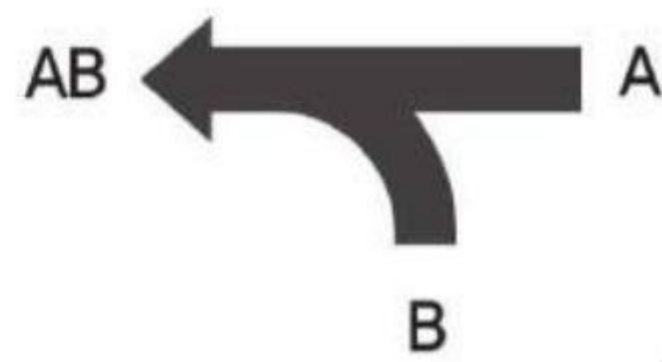


Note :
SCS13(CF8) is also available.

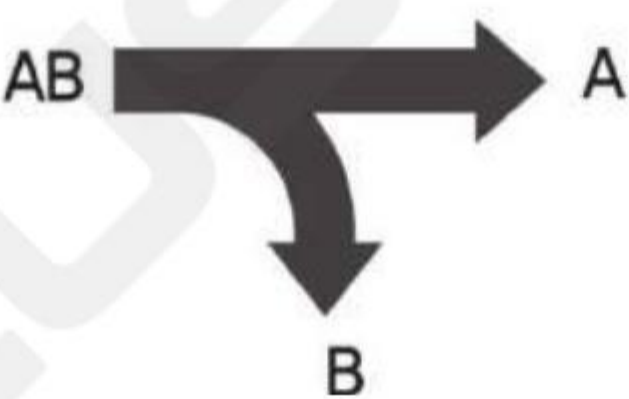
Mechanical Data



- Plug is directly connected with Valve stem.
- SS316 Seat is fixed on the Valve body.

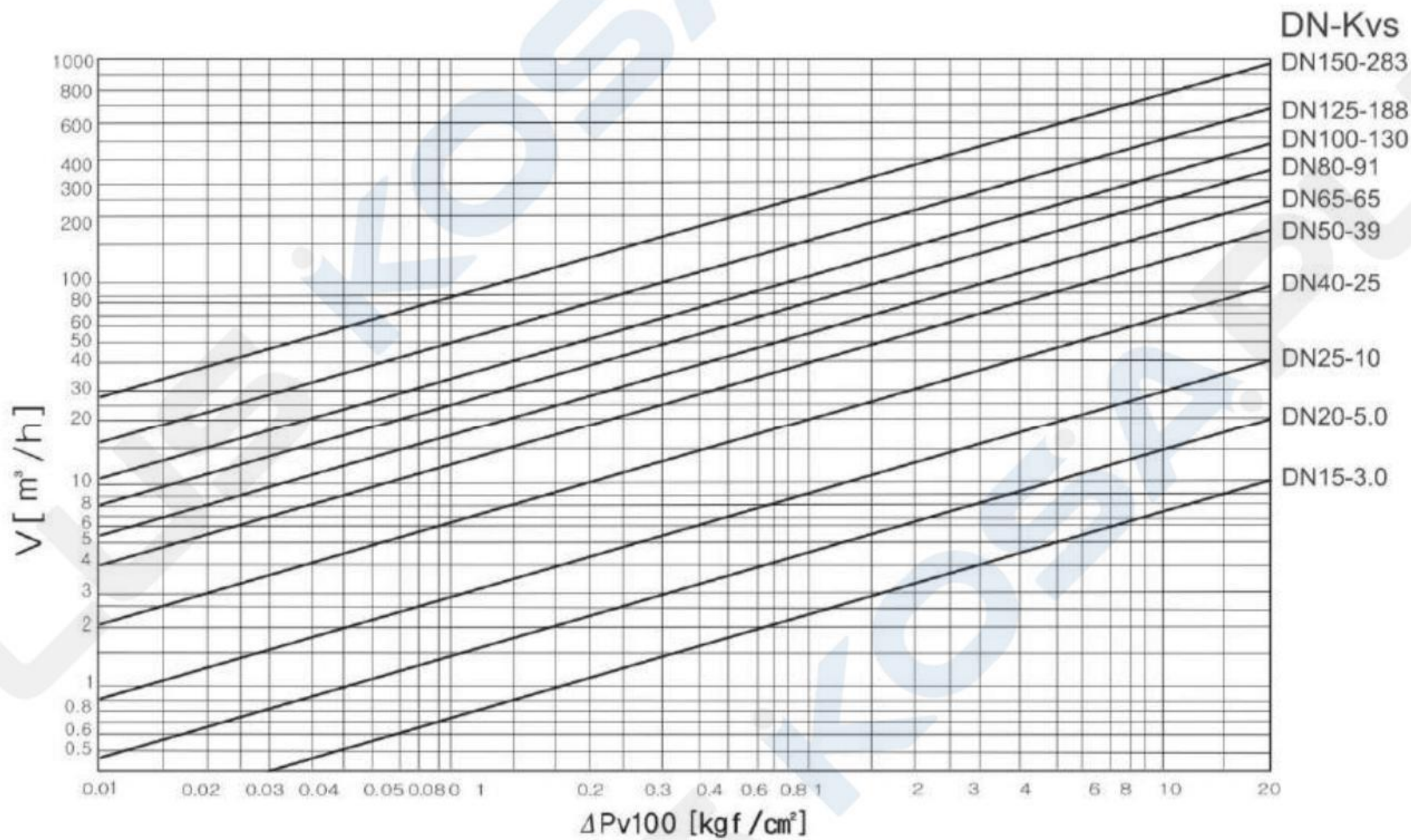


Mixing type



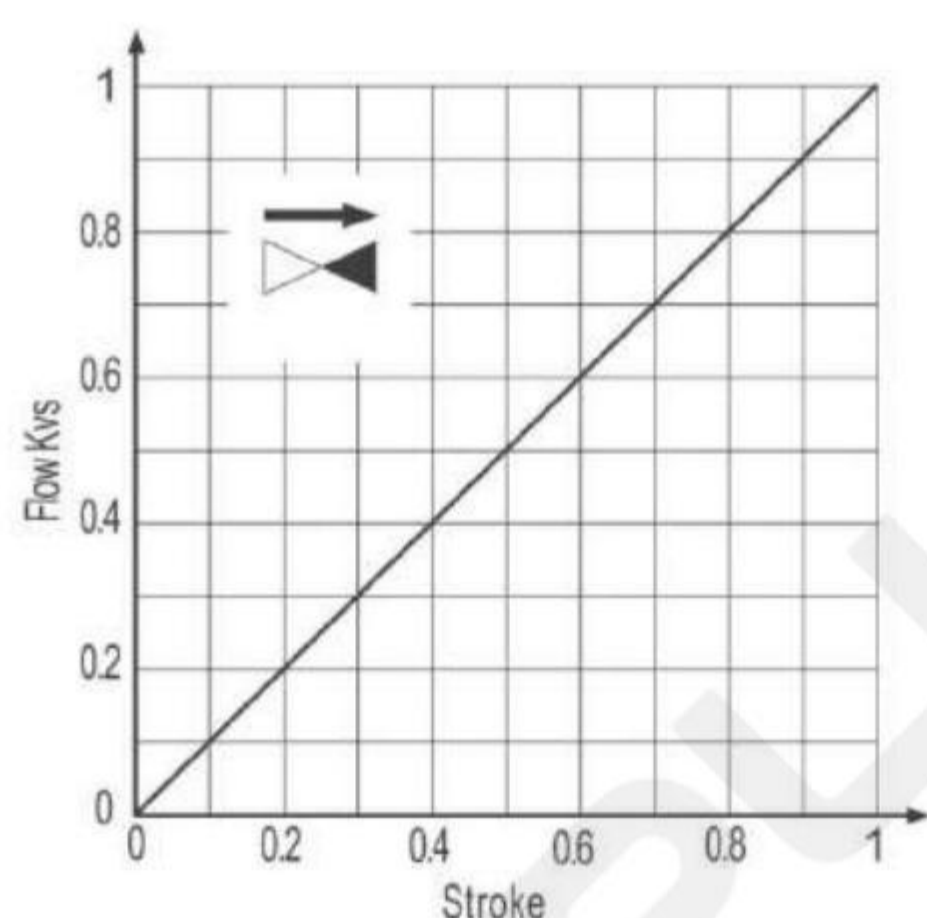
Diverting type

Valve Sizing Chart



V : Flow rate (m³/h)
ΔPv : Valve Pressure Drop (Kgf/cm²)

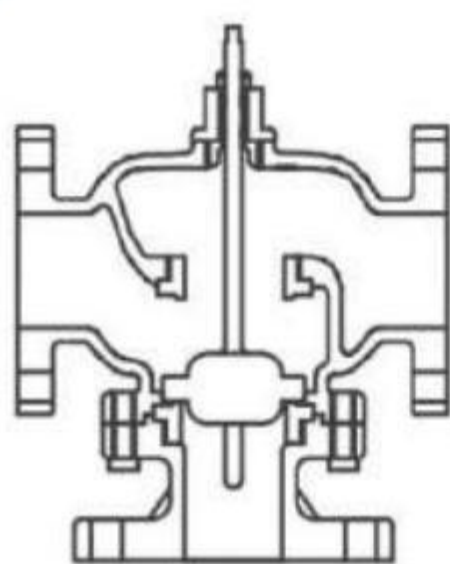
Valve Curve



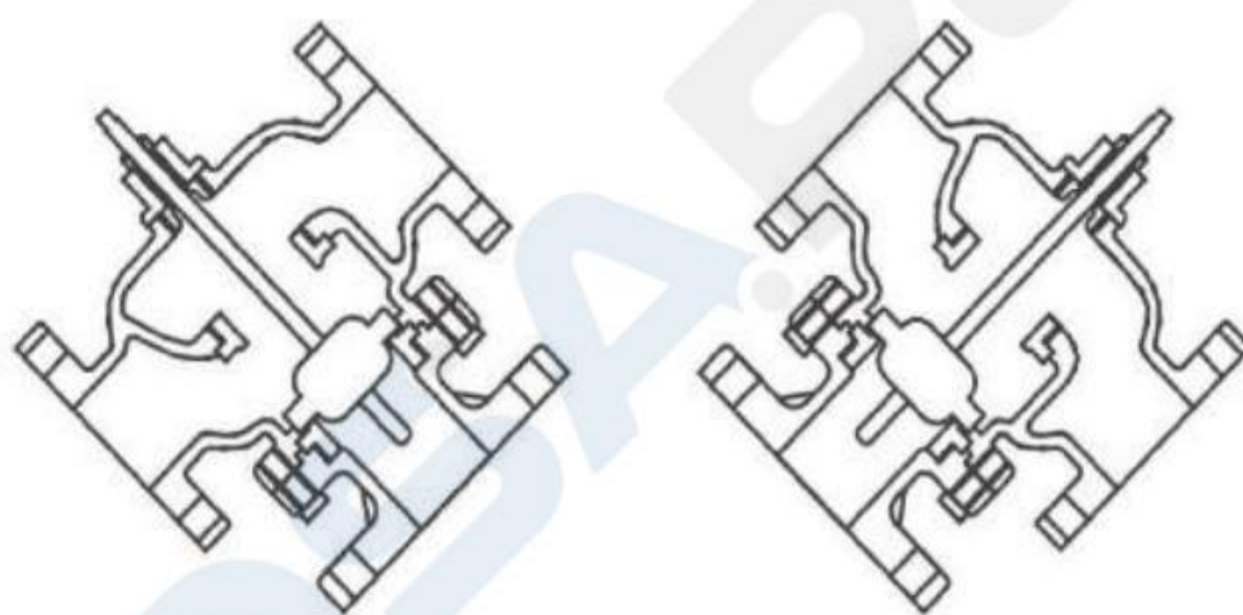
- Valve characteristic : Linear
- Rangeability - 50 : 1

Mounting and Installation Guide

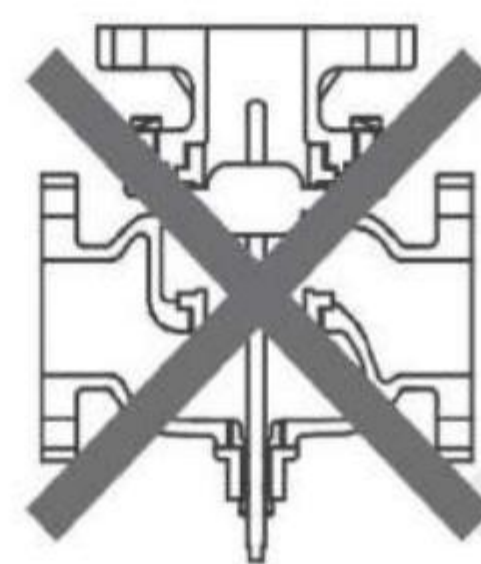
- Valve and Actuator can be supplied by assembly or separately.
- Before installing the valve, clean the pipe or flange and remove all slag, impurities or debris.
- The pipes shall be perfectly aligned with the valve body.
- Recommend to install strainer at the inlet of valve.
- Mounting positions.



<Recommended>



<Partially accepted>



<Not recommended>

※ Do not install valve downwards.

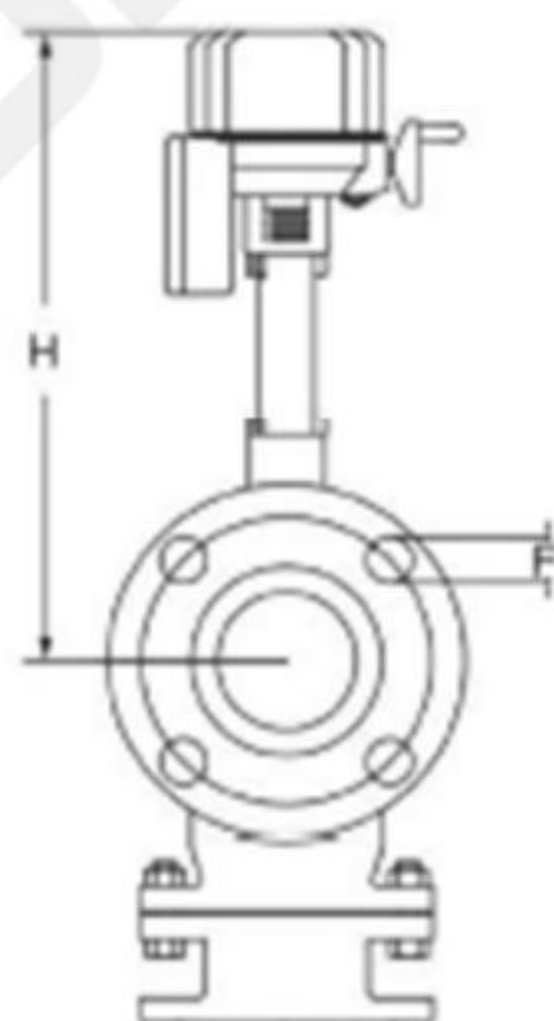
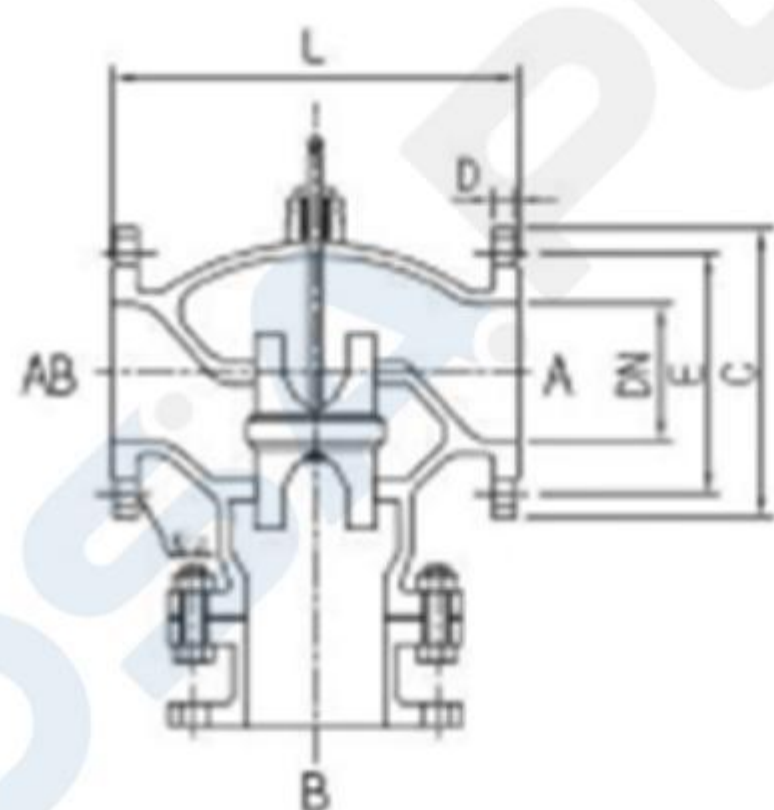
- While mounting, correspond the fluid directions with the arrows on the valve body.
- The actuator is positioned to avoid from dripping, water ingress, dust or moisture.

Commissioning Guide

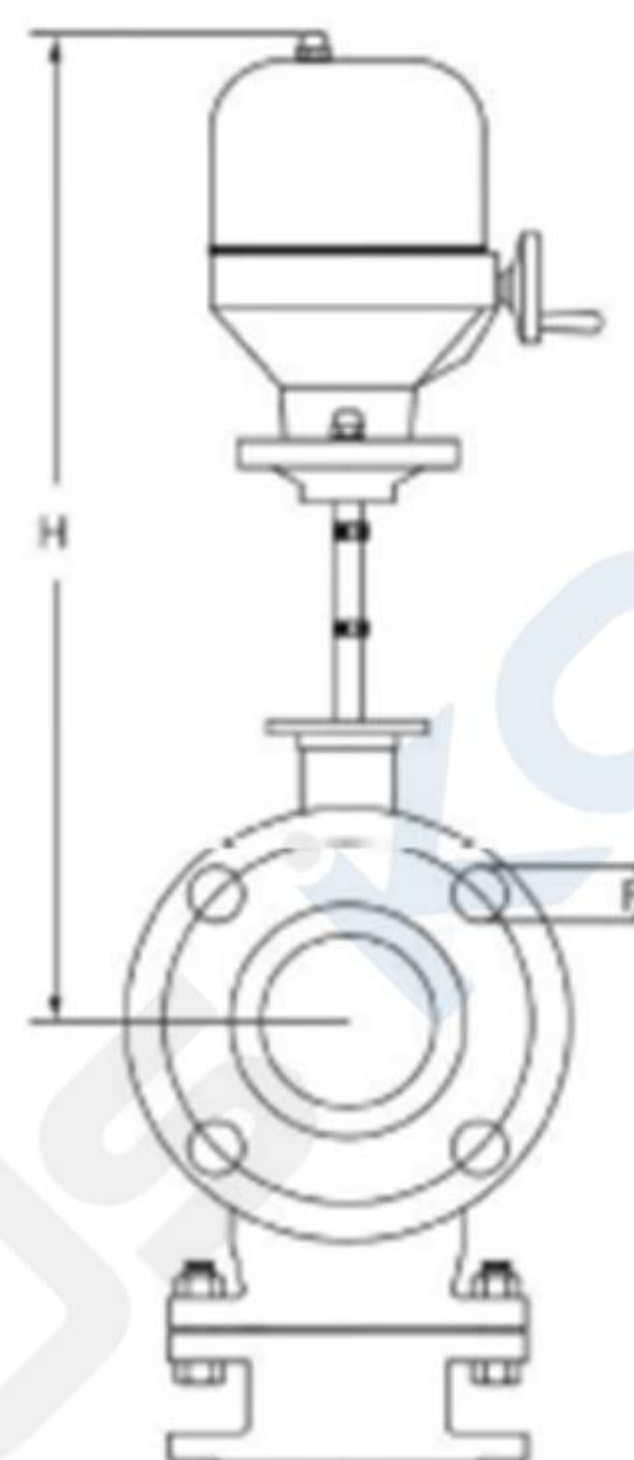
- Trial run should be conducted after actuator is mounted on the valve correctly.
- Flow direction must correspond to the indication on the valve body.
- Temperature, pressure and differential pressure on the valve must be within the specification of valve.
- The opening and closing of valve is below.

Stem	Through-port	By-pass
Down	Open	Close
Up	Close	Open

Dimension



KEA-20,35A[PD]



KEA-55,100,250A[PD]

(unit : mm)

Model	DN	L	C	D	E	F	Bolt Size	H					Weight Valve(kg)
								KEA-20	KEA-35	KEA-55	KEA-100	KEA-250	
KXF-S 20	20	117	100	14	75	15*4	M12	300					8
KXF-S 25	25	127	125	14	90	19*4	M16	320					9.2
KXF-S 40	40	161	140	16	105	19*4	M16	333					15
KXF-S 50	50	200	155	16	120	19*4	M16	340					18
KXF-S 65	65	212	175	18	140	19*4	M16		385				20
KXF-S 80	80	241	185	18	150	19*8	M16		410				28
KXF-S 100	100	292	210	18	175	19*8	M16		445				35
KXF-S 125	125	356	250	20	210	23*8	M20		450	710			49
KXF-S 150	150	406	280	22	240	23*8	M20		465	765			69
KXF-S 200	200	495	330	22	290	23*12	M20				880		180
KXF-S 250	250	622	400	25	355	23*12	M22					927	275



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