

2-WAY STAINLESS VALVE (SUS304)

GVF-S Series



▣ Description

GVF-S. Stainless Steel Valve is designed for 2-way Flange type valve which can be assembled with GEA series Actuators using for Product Facilities, Food Industry and cold / hot water, steam line and also can be used with Digital electric Actuators as Stainless Steel valve.

▶ Nominal Stroke :

- DN 15 ~ DN 50: 20 mm
- DN 65 ~ DN150: 40 mm
- DN200, DN250 : 60 mm

▣ Technical Data

- ▶ Operating Pressure : JIS 10 Kg_f/cm²
- ▶ Operating Temperature : at -20 ~ 150°C, DIN4747 / DIN3158
- ▶ Valve Curve : Linear
- ▶ Leakage : ≤0.01% of Kvs value Class IV (ANSI B 16.104)
- ▶ Connection Flange : JIS 10K RF (JIS B2220)

● Close-off Pressure

Model	DN mm	Flow		Stroke mm	Sv	Actuator ΔPmax(Kg _f /cm ²)				
		Kvs	Cv			GEA -20A(PD)	GEA -35A(PD)	GEA -55A(P)	GEA -100A(P)	GEA -250A(P)
GVF-S 15	15	3.1	3.6	20	50	10	-	-	-	-
GVF-S 20	20	5.6	6.5	20	50	10	-	-	-	-
GVF-S 25	25	10.6	12.4	20	50	10	-	-	-	-
GVF-S 40	40	25.4	29.6	20	50	10	-	-	-	-
GVF-S 50	50	38.8	45.3	20	50	8	-	-	-	-
GVF-S 65	65	64.2	74.9	40	50	-	8.1	-	-	-
GVF-S 80	80	90.5	105.6	40	50	-	9.4	-	-	-
GVF-S100	100	130.2	151.9	40	50	-	3.4	-	-	-
GVF-S125	125	188.0	219.4	40	50	-	-	3.4	-	-
GVF-S150	150	283.0	330.3	40	50	-	-	2.4	-	-
GVF-S200	200	594.0	696.0	60	50	-	-	-	2.4	6.1
GVF-S250	250	906.30	1057	60	50	-	-	-	-	3.9

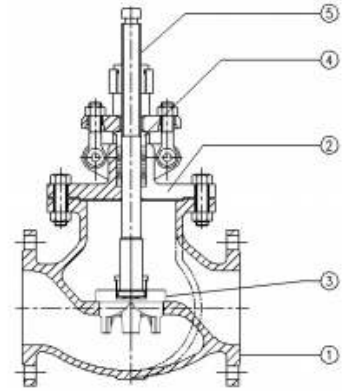
Sv : Rangeability (VDI 2173)

ΔPmax : Maax. permissible differential pressure across closed valve.

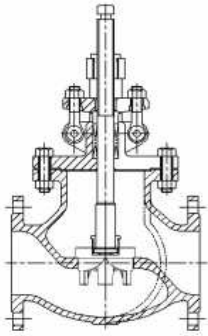
▶Please inform us the Valve model at order in case of assembling with GEA-35PD(A) or GEA-55PD(A) of 20mm stroke.

▣ **Materials**

NO	1	2	3	4	5
Part Name	Body	BONNET	DISC	GLAND PACKING (GASKET)	STEM
Material	SCS13 (CF8)	SCS13 (CF8)	SUS304	PTFE	SUS304



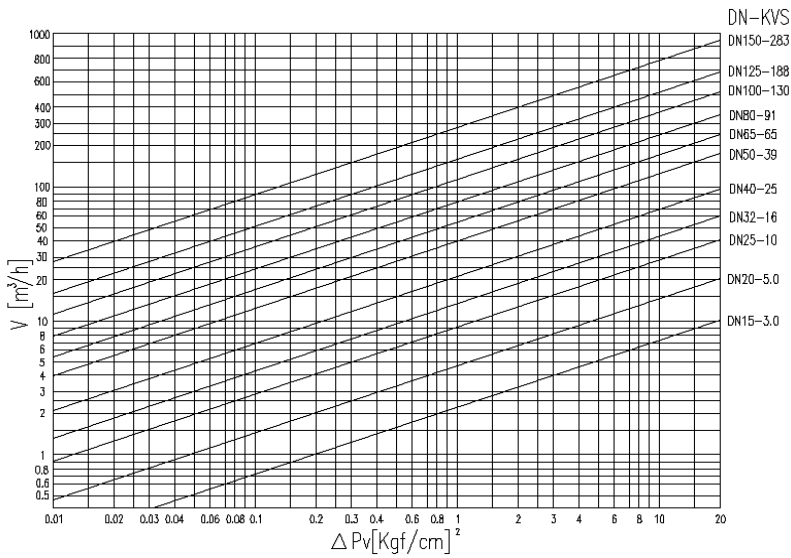
▣ **Mechanical Data**



- ▶ Plug is connected directly to the Valve stem.
- ▶ SS304 materialized Seat is fixed on the Valve body.

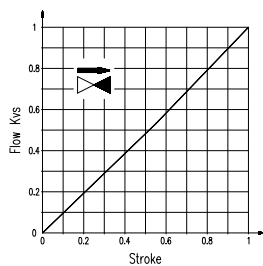
▣ **Valve Sizing Chart**

▶ Flow Diagram



V : Amount of Fluid flow (m³/h)
 ΔPv : Valve pressure Drop (Kgf/cm²)

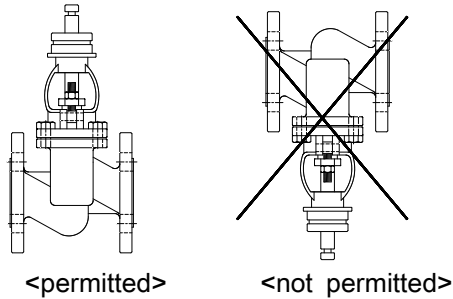
▣ **Characteristic of Valve Curve**



- ▶ Linear
- ▶ Rangeability : 50:1

▣ **Mounting and Installation Guide**

▶ To maximize the functional safety of Valve, setting the Strainer is suggested.



▶The Valve should be installed in a same direction of Fluid flow.

▣ **Commissioning Guide**

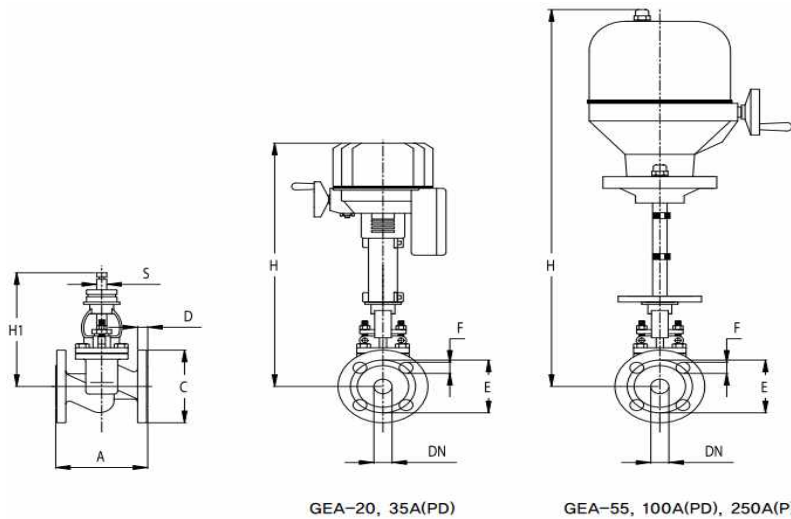
▶Test run should be conducted only when Actuator is mounted on the Valve correctly.

1. Upward of Spindle : Valve Open
2. Downward of Spindle : Valve Close

▣ **Check**

- ▶ In case of damaging of the valve's packing, There is no need disassembling the valve and actuator for replacement.
- ▶ Packing box can be used for -25~+130°C of Fluids.(Cold, Chilled and Hot water)

▣ **Dimension**



Model	DN	A	C	S	D	E	F	Bolt Size	H1	H					Weight Valve(Kg)
										GEA -20	GEA -35	GEA -55	GEA -100	GEA -250	
GVF-S 15	15	108	95	14	12	70	15×4	M12	168	430	-	-	-	-	3.0
GVF-S 20	20	117	100	14	14	75	15×4	M12	175	438	-	-	-	-	3.6
GVF-S 25	25	127	125	14	14	90	19×4	M16	190	450	-	-	-	-	4.8
GVF-S 40	40	161	140	14	16	105	19×4	M16	200	460	-	-	-	-	8.0
GVF-S 50	50	200	155	14	16	120	19×4	M16	230	485	-	-	-	-	10.2
GVF-S 65	65	212	175	14	18	140	19×4	M16	243	-	540	-	-	-	13.5
GVF-S 80	80	241	185	14	18	150	19×8	M16	286	-	570	-	-	-	18.3
GVF-S100	100	292	210	14	18	175	19×8	M16	325	-	580	-	-	-	25.9
GVF-S125	125	356	250	14	20	210	23×8	M20	380	-	-	880	-	-	43.5
GVF-S150	150	406	280	14	22	240	23×8	M20	445	-	-	900	-	-	57.4
GVF-S200	200	495	330	20	22	290	23×12	M20	545	-	-	-	1020	-	170
GVF-S250	250	622	400	20	24	355	25×12	M22	650	-	-	-	-	1050	250