



GV-16 / GV-25 / GV-40

GLOBE VALVE

GENERAL FEATURES

AYVAZ globe valves have a wide range of applications in industry due to its high pressure and temperature resistant structure.

The Ayvaz globe valves are flat flow type and their designs consist of body, shaft, flywheel and cap.

Globe valves have taken their names from their global bodies. The body is divided into two parts by means of an internal compartment.

Ayvaz globe valves are straight flow type, vertical spindle and T mod-eled valves. Basically, the globe valves regulate the flow (opening-closing) through the movement of the dyskin-sit.

The disc is a threaded shaft controlled by a flywheel. The disc movement is also provided by the flywheel. Through its excellent body and disc design, the Ayvaz globe valves provide smooth laminar flow in pipelines.

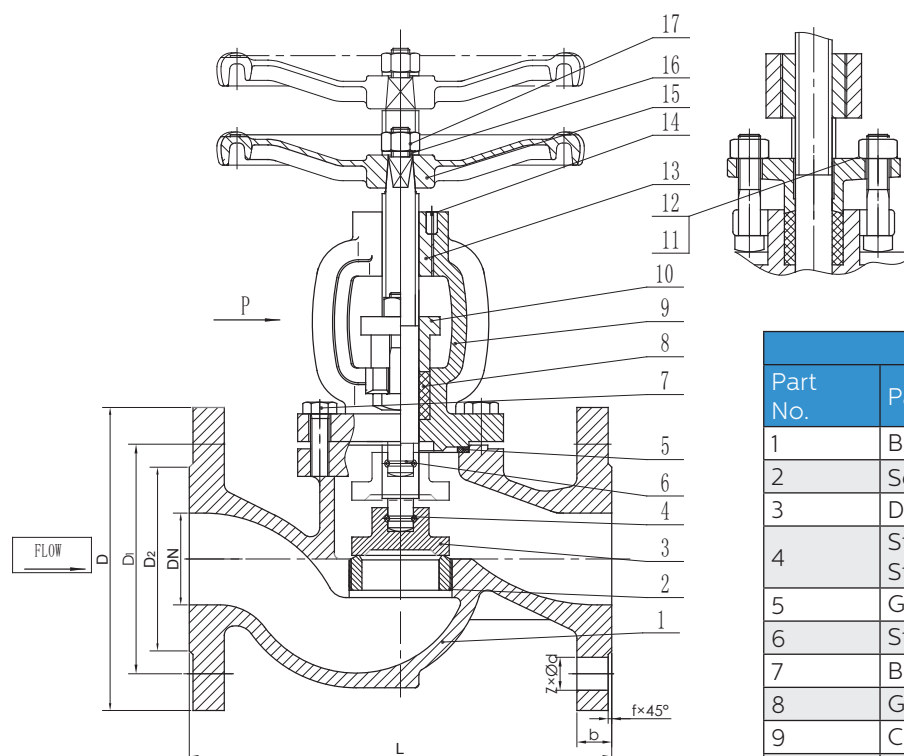
Globe type valves have superior resistance to turbulence, internal corrosion and pressure losses.

Usage Areas

- Hot and cold water systems
- Boiling water systems
- Steam boilers and steam systems
- Pressurized air systems
- Chemical fluids (Acidic and non-alkaline fluids)
- Ammonia and oil transfer

		GV-16	GV-25	GV-40
PRODUCT FEATURES	Body	GG-25 Cast Iron	GGG 40.3 Ductile Iron	GSC-25 Cast Steel
	Seat	Stainless Steel AISI 304	Stainless Steel AISI 304	Stainless Steel AISI 304
	Disc	Stainless Steel AISI 304	Stainless Steel AISI 304	Stainless Steel AISI 304
	Connection	Flanged	Flanged	Flanged
	Max. Working Temp.	200°C	250°C	300°C
	Max. Working Pressure	16 bar	25 bar	40 bar

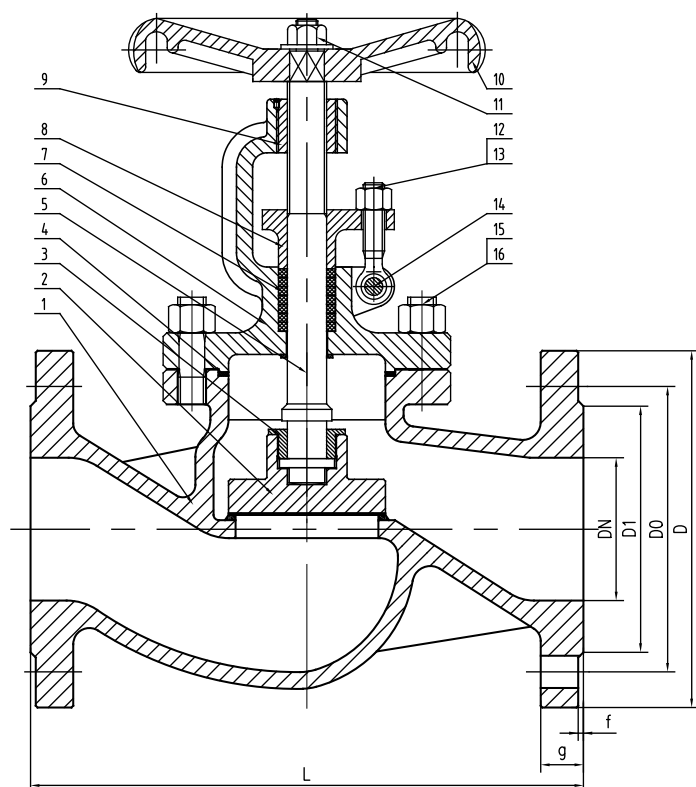
GV-16 GLOBE VALVE



MATERIAL LIST GV-16		
Part No.	Part Name	Material
1	Body	GG-25 Cast Iron
2	Seat Ring	Z2Cr13
3	Disc	Z2Cr13/A105
4	Stainless Steel Ring	SS 304
5	Gasket	Graphite
6	Stem	2Cr13
7	Bolt	Steel 35
8	Gasket	Graphite
9	Cover	DI GGG50
10	Packing Gland	CI GG25
11	Bolt	Steel 35
12	Nut	Steel 25
13	Stem Gasket	Bronze ZQA1 9-4
14	Screw	Steel 35
15	Hand Wheel	DI GGG50.3
16	Washer	Steel Q235
17	Nut	Steel 25

DIMENSIONS		GV-16					
PN	DN	L	D	D1	D2	b-f	Z-Ød
16	15	130±2	95	65	46	14-2	4-Ø14
16	20	150±2	105	75	56	16-2	4-Ø14
16	25	160±2	115	85	65	16-2	4-Ø14
16	32	180±2	140	100	76	18-2	4-Ø19
16	40	200±2	150	110	84	18-2	4-Ø19
16	50	230±2	165	125	99	20-2	4-Ø19
16	65	290±2	185	145	118	20-2	4-Ø19
16	80	310±2	200	160	132	22-2	8-Ø19
16	100	350±2	220	180	156	24-2	8-Ø19
16	125	400±2	250	210	184	26-2	8-Ø19
16	150	480±2	285	240	211	26-2	8-Ø23
16	200	600±2	340	295	266	30-2	12-Ø23

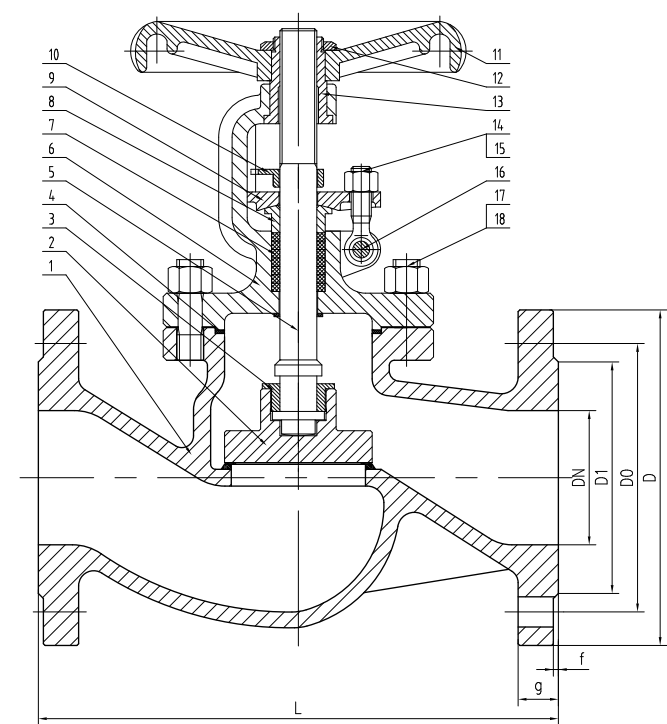
GV-25 GLOBE VALVE



MATERIAL LIST GV-25		
Part No.	Part Name	Material
1	Body	GGG 40.3 Cast Iron
2	Disc	A105+13Cr
3	Disc Cover	35#
4	Bolt	Graphite
5	Stem Gasket	2Cr13
6	Cover	WCB
7	Gasket	Graphite
8	Gland	WCB
9	Nut	A194 2H
10	Hand Wheel	Cast Iron
11	Nut	A194 2H
12	Key Bolt	A193 B7
13	Nut	A194 2H
14	Pin	35#
15	Bolt	A193 B7
16	Nut	A194 2H

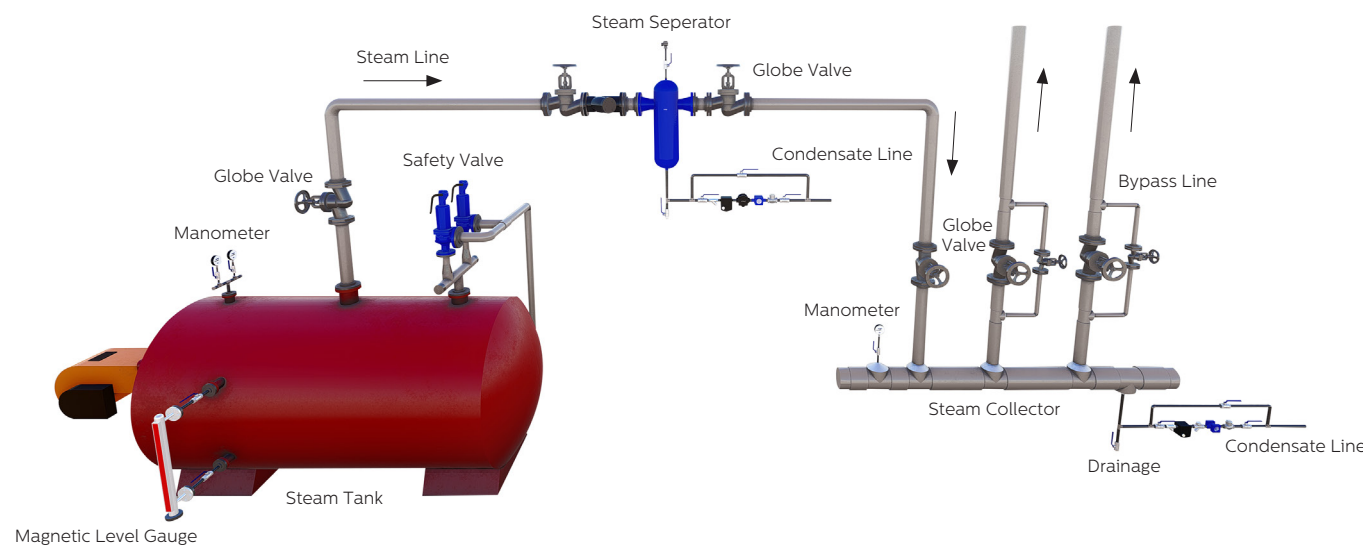
DIMENSIONS		GV-25						
PN	DN	L	D	D0	D1	g	f	nxd
25	15	130	95	65	45	16	2	4x14
25	20	150	105	75	58	18	2	4x14
25	25	160	115	85	68	18	2	4x14
25	32	180	140	100	78	18	2	4x18
25	40	200	150	110	88	18	3	4x18
25	50	230	165	125	102	20	3	4x18
25	65	290	185	145	122	22	3	8x18
25	80	310	200	160	138	24	3	8x18
25	100	350	235	190	162	24	3	8x22
25	125	400	270	220	188	26	3	8x26
25	150	480	300	250	218	28	3	8x26
25	200	600	360	310	278	30	3	12x26

GV- 16 / 25 /40 GLOBE VALVE



MATERIAL LIST GV-40		
Part No.	Part Name	Material
1	Body	GSC-25 Cast Steel
2	Disc	A105+13Cr
3	Disc Cover	35#
4	Gasket	Graphite
5	Stem Gasket	2Cr13
6	Cover	WCB
7	Gasket	Graphite
8	Gland	1Cr13
9	Gland Cover	WCB
10	Located Block	Albronz
11	Hand Wheel	Cast Iron
12	Lock Nut	35#
13	Nut	A194 2H
14	Keybolt	A193 B7
15	Nut	A194 2H
16	Pin	35#
17	Bolt	A193 B7
18	Nut	A194 2H

DIMENSIONS		GV-40						
PN	DN	L	D	D0	D1	g	f	nxd
40	15	130	95	65	45	16	2	4x14
40	20	150	105	75	58	18	2	4x14
40	25	160	115	85	68	18	2	4x14
40	32	180	140	100	78	18	2	4x18
40	40	200	150	110	88	18	3	4x18
40	50	230	165	125	102	20	3	4x18
40	65	290	185	145	122	22	3	8x18
40	80	310	200	160	138	24	3	8x18
40	100	350	235	190	162	24	3	8x22
40	125	400	270	220	188	26	3	8x26
40	150	480	300	250	218	28	3	8x26
40	200	600	375	320	285	34	3	12x30



GV-40 GLOBE VALVE

GV- 16 / 25 / 40 GLOBE VALVE