

CAST STEEL GLOBE VALVES ALV-4

Nominal Pressure

ANSI Class 150-600

PN 16-100

Nominal size

2½"-12"

DN 65-300

Materials

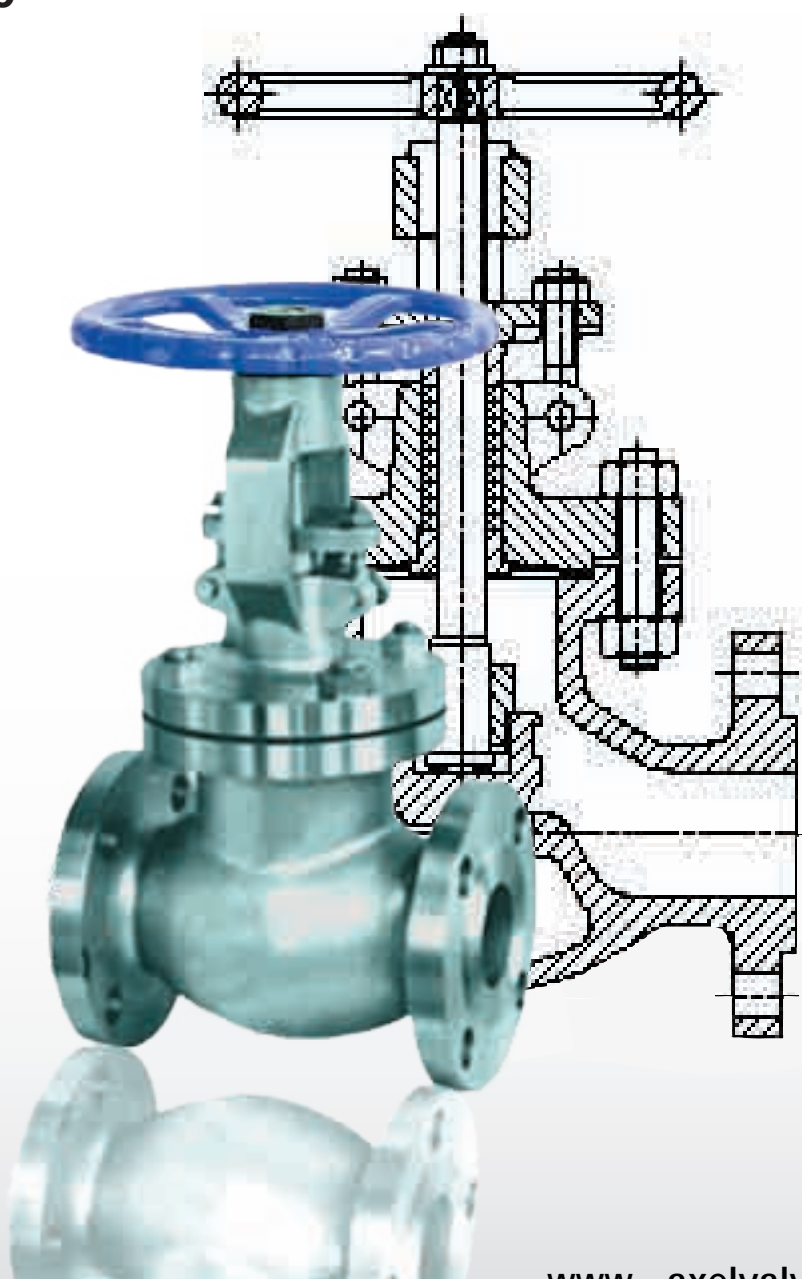
Carbon Steel

Low Alloy Steel

Stainless Steel

Connections

Flanged



AXELVALVES AB

Box 11 000, S-161 11 Bromma

Stockholm, Sweden

Phone: +46 (0)8 445 20 60

Fax: +46 (0)8 98 22 35

E-mail: info@axelvalves.se



AXELVALVES в России:

ООО "Флоу Текнолоджи"

190013, Санкт-Петербург

ул.Серпуховская, 10, литер А

Телефон: +7 (812) 313-11-95

info@flowtechnology.ru

AXELVALVES offers a wide range of cast valves to ANSI and DIN standards, designed for the chemical and petrochemical, oil and gas processing, steam generation industries.



- **Power**
 - **Oil & Gas**
 - **Petrochemical**
- **Chemical**
 - **Marine**
 - **Pulp & Paper**
- **Cryogenics**
 - **Mining**
 - **Construction**

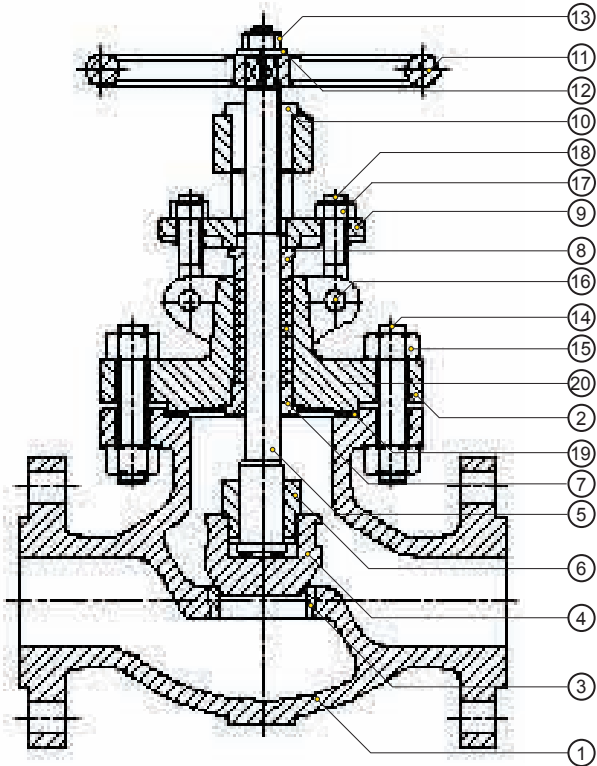
Features

ALV-4 globe valves are manufactured by using high quality cast materials to guarantee superior performance.

- Valves are fitted with asbestos-free packing.
- Bolted bonnet valves are fitted with a graphite gasket that is fully contained to protect it from over compression and erosion.
- Each valve is checked and supplied with certification according to relevant standards and specifications.

Marking

Valves are identified by a proper name plate as required by MSS-SP25 with all informations of rating, size, valve body and trim material.



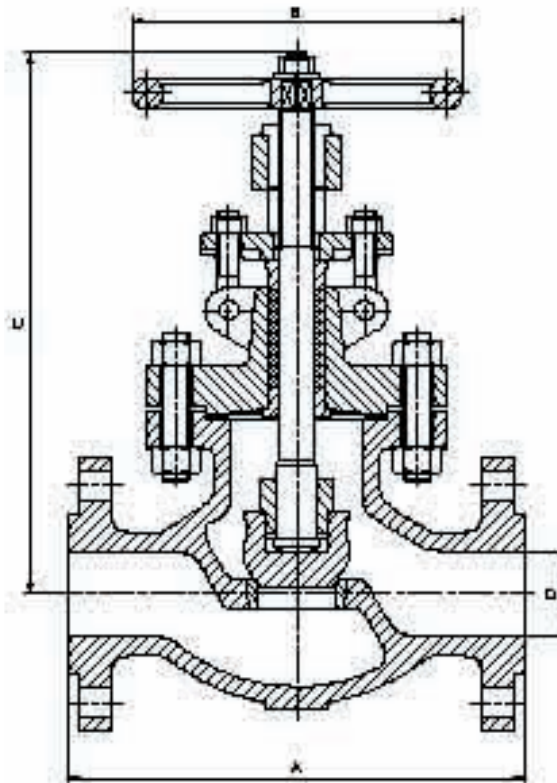
Standard Material Specification

No	Part	Material
1	Body	ASTM A 216 WCB
2	Bonnet	ASTM A 216 WCB
3	Seat Ring	ASTM A 182 F6
4	Plug	ASTM A 217 CA15
5	Stem	ASTM A 276 410
6	Plug Nut	ASTM A 182 F6
7	Stem Bushing	ASTM A 276 410
8	Gland	ASTM A 276 410
9	Gland Flange	ASTM A 105 II
10	Yoke Sleeve	ASTM B 148 9A
11	Handwheel	Steel
12	Plate	ASTM A 105 II
13	Nut	ASTM A 194 2H
14	Bolts	ASTM A 193 B7
15	Nuts	ASTM A 194 2H
16	Eye Bolts	ASTM A 193 B7
17	Nuts	ASTM A 194 2H
18	Eye Bolt Pin	ASTM A 193 B7
19	Gasket	Graphite
20	Packing	Graphite

Material Selection Table

ASTM	External Material			Trim Material			Sealing Material		
	Body Bonnet	Bolt	Gland Bolt	Gland Nut	Stem	Seat	Plug	Packing	Gasket
A216	WCB	B7	B8	2H	410	CA15	F6	Graphite	Graphite
A352	LCB	L7	B8	Gr.8	304	CF8	304+HF		
A217	WC6 WC9	B16	B8	2H	410	CA15	F11+HF F22+HF		
A351	CF8 CF8M	B8	B8	Gr.8	304 316	CF8 CF8M	304 316		

Other materials and material combinations available on request.



Measurements in mm.

Class 150

Dimensions	Size							
	2 1/2"	3"	4"	5"	6"	8"	10"	12"
A	216	241	292	356	406	495	622	699
B	200	225	250	300	300	400	500	500
C (Open)	350	420	480	560	665	785	895	1025
D	65	80	100	125	150	200	250	300
Weight kg	27	35	53	75	105	160	241	375

Class 300

Dimensions	Size							
	2 1/2"	3"	4"	5"	6"	8"	10"	12"
A	292	318	356	400	445	559	622	711
B	200	225	250	300	300	425	500	575
C (Open)	440	450	485	655	775	915	1005	1185
D	65	80	100	125	150	200	250	300
Weight kg	35	48	75	116	150	250	343	580

Class 600

Dimensions	Size							
	2 1/2"	3"	4"	5"	6"	8"	10"	12"
A	330	356	432	508	559	660	787	838
B	250	350	425	500	575	700	900	1000
C (Open)	590	645	715	825	950	1060	1500	1645
D	65	80	100	125	150	200	250	300
Weight kg	44,7	65	110	178	260	460	713	1140



Test Pressures

Class lbs	Shell/Backseat Hydrostatic bar	Seat Hydrostatic bar	Seat Pneumatic bar
150	31	24	6
300	81	60	6
600	162	119	6

Valves are Manufactured in Accordance with the Following Standards

API 600	Cast steel valves
API 598	Valve inspection and test
ANSI B 16.34	Steel valve, flanged and butt weld ends
ANSI B 16.5	Steel pipe flanges and flanged fittings
ANSI B16.10	Face to face dimensions of ferrous valves
MSS-SP-25	Standard marking system for valves
MSS-SP-6	Standard finishes for contact faces of pipe, flanges and connecting end flanges of valves and fittings
NACE Mr 01.75	Material requirements: Sulfide stress cracking resistant
BS 5352	Cast and forged steel wedge gate, globe and check valves, screwed and socket weld ends

Available on request:

- DIN and GOST Flanges
- With Regulating Plug
- With Double Stage Plug
- With Stop Check Plug
- Heating Jacket
- By Pass
- Other Valve Materials Available (Hastelloy C, Titanium, Monel etc.)

Design and dimensions:

- According to Standards: ANSI, API, BS, DIN, GOST