

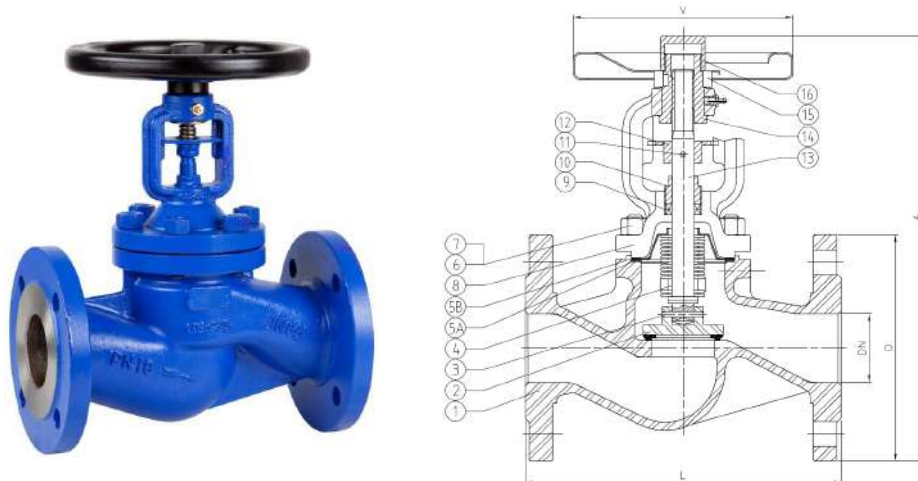
## Art2231 Carbon Steel Bellows Globe Valve (PN16 Flanged)

### Features

1. Stop valve with bellows seal.
2. Completely prevents leakage from the stem.
3. Flanged ends according to EN 1092 PN16.
4. Made of Carbon Steel 1.0619 (WCB).
5. Design in accordance with EN 13709 (DIN 3356).
6. Face To Face acc. to EN 558 s1 (DIN 3202 F1).
7. Metal seat and disc with Stainless Steel welding.
8. Spiral wound body gasket (SS + graphite).
9. Non rising stem.
10. Position indicator.
11. Ergonomic handwheel.
12. Grease nipple for lubrication of stem bushes.
13. Max. working pressure 16 bar.
14. Working temperature  $-20\text{ }^{\circ}\text{C} + 350\text{ }^{\circ}\text{C}$ .

### Applications:

For thermal oil plants, steam and, in general, for fluids at high temperature. Suitable for vacuum.



# GENEBRE

N°	Name	Material	Surface Treatment	Spare Part Code
1	Body	Carbon Steel 1.0619	Painting	
2	Disc	Carbon Steel 1.0460 + 13Cr		
3*	Pin	Stainless Steel 410		K2231
4*	Bellow	Stainless Steel 304		K2231
5A*	Body Gasket	AISI 304 + Graphite		K2231 J2231
5B*	Body Gasket	Graphite		K2231 J2231
6	Bolt	ASTM A 193-B7	Painting	
7	Nut	ASTM A 194-2H	Painting	
8	Bonnet	Carbon Steel 1.0619	Painting	
9*	Packing Ring	Graphite		K2231 J2231
10	Gland	Stainless Steel 410	Painting	
11*	Pin	Stainless Steel 410		K2231
12	Guide	Carbon Steel		
13*	Stem	Stainless Steel 420		K2231
14	Yoke Nut	Brass	Painting	
15	Handwheel	Carbon Steel	Epoxy	
16	Handle	Carbon Steel	Painting	

\*Spare parts available

## General Dimensions

Ref	Size	PN	Dimensions (mm)					Weight (Kg)
			DN	L	D	A	V	
2231 04	1/2"	16	15	130	95	215	140	4.3
2231 05	3/4"	16	20	150	105	215	140	5.0
2231 06	1"	16	25	160	115	220	160	5.8
2231 07	1 1/4"	16	32	180	140	225	160	7.2
2231 08	1 1/2"	16	40	200	150	235	180	9.3
2231 09	2"	16	50	230	165	250	180	11.5
2231 10	2 1/2"	16	65	290	185	260	220	15.6
2231 11	3"	16	80	310	200	285	250	20.4
2231 12	4"	16	100	350	220	420	300	38.0
2231 13	5"	16	125	400	250	460	350	55.0
2231 14	6"	16	150	480	285	575	400	80.0
2231 16	8"	16	200	600	340	730	500	130.0

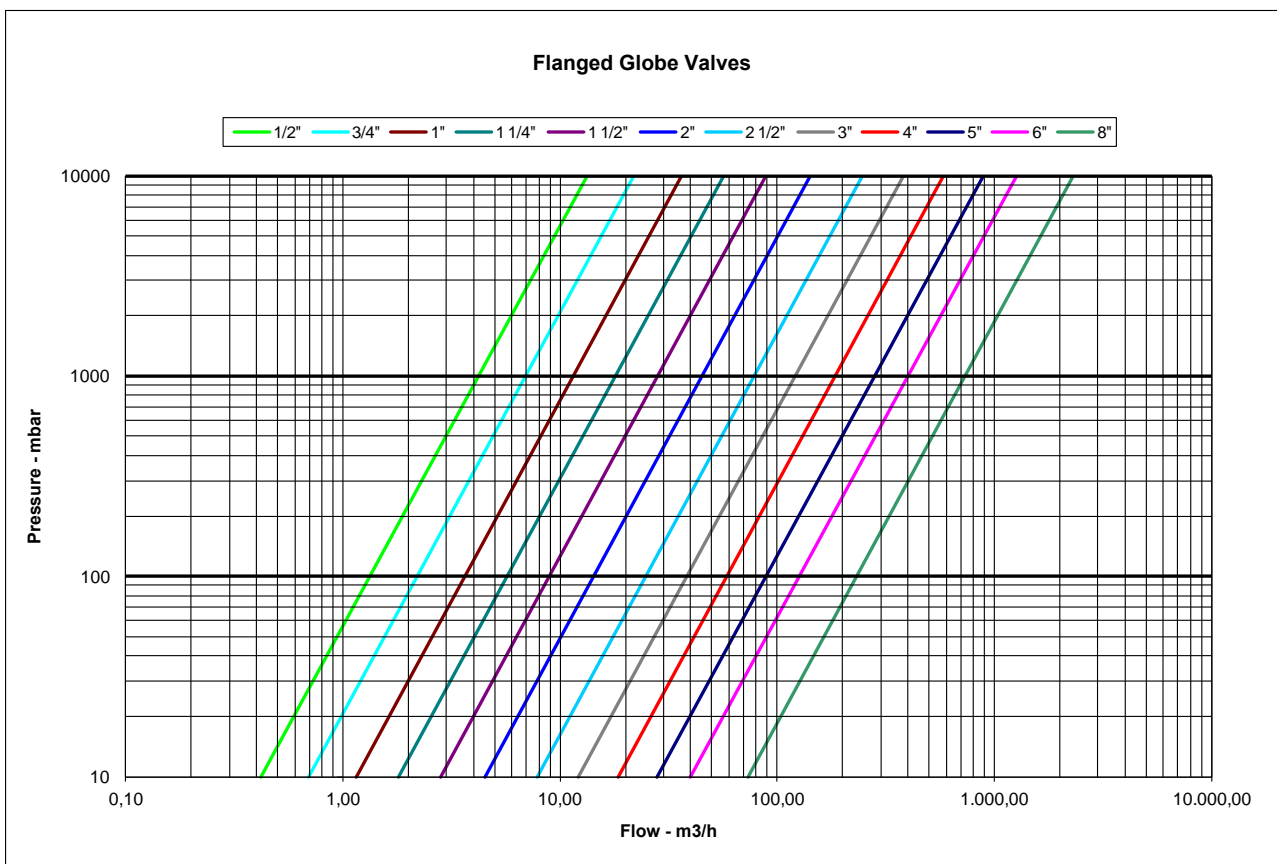


### Kv Values

Kv: Water flow rate in cubic meter per hour (m<sup>3</sup>/h) generating a 1 bar pressure drop of across the valve.

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
4.2	6.9	11.5	18	28	45	78	121	185	280	400	730

### Head Loss Chart





### Pressure/Temperature Rating

