



**Global Consulting Inc.**

"Managing projects to success"

## BELLOW SEALED STOP VALVE



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**KSPM SM 11**  
**PN16/PN25/PN40**  
**BELLOW SEALED STOP VALVE**



### DESIGN STANDARDS

- Cast steel body GS-C25+13Cr Body and Bonnet 1/2 to 12 inches
- Straight-through or Y-pattern design
- Easy operating handwheel with safe operation at all working temperatures
- Body Design Conditions Pn-16 / PN-25 / PN-40
- Face to Face length: ISO 5752, EN 558 SERIES 1 (F1), DIN 3202
- Flanges: EN 1092-2, ISO 7005-2, DIN 2501
- AISI 304 Stainless Steel Bellow ( other bellow types optional)
- Internals (stem, disk and seat of stainless steel)
- Outer surface of valve is liquid epoxy painted.
- Metal to Metal application.
- Can be installed in horizontal or vertical position.
- Disk flexibly attached to stem for easy replacement and to prevent vibration transfer to bellows

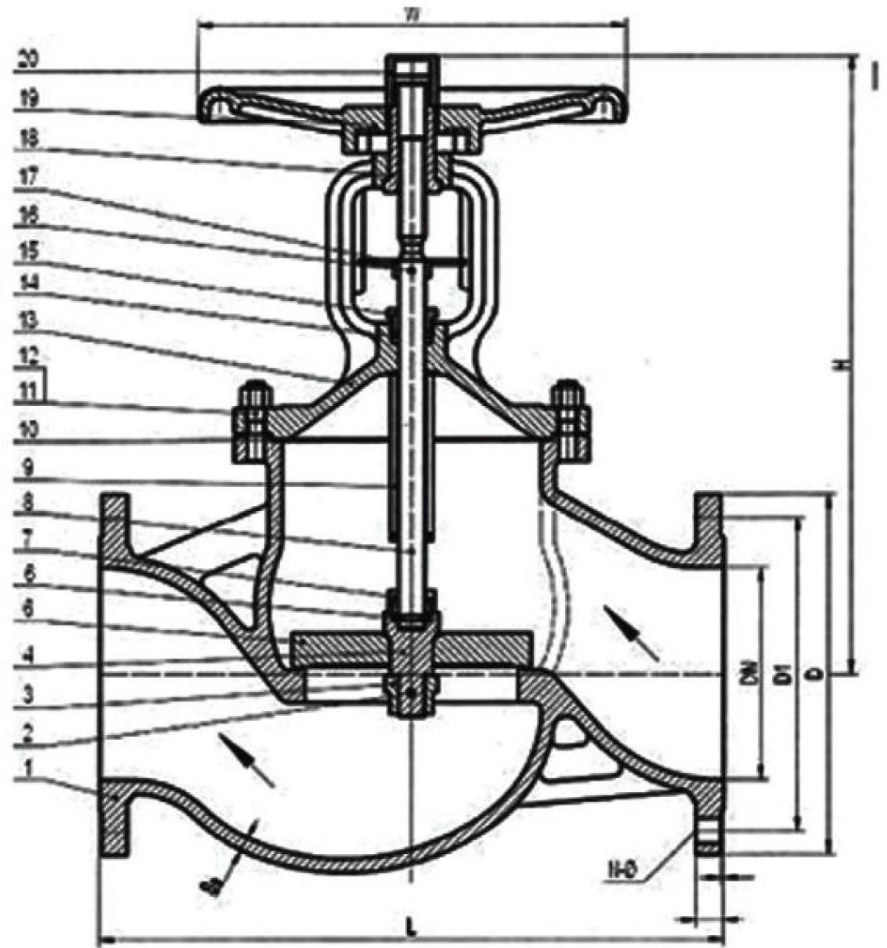
### Mediums and Applications

- Standard: Steam, gases, hot water, thermal fluids, hot oil, process water, vacuum facilities, ammonia etc.
- Stainless Steel: Process water, aggressive media, etc.
- 350 C for Water, Oil, Gas. / 200 C for Corrosive Media.



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 TECHNICAL DRAWING  
 (DN200-400)



## PARTS AND MATERIALS

No.	Part Name	Material
1	Body	GS-C25 (1.0619)
2	Pin	C22.8
3	Screw	GS-C25 (1.0619)
4	Guide Disc	C22.8 + 13Cr
5	Disc	C22.8 + 13Cr
6	Split Ring	C22.8
7	Disc Screw	C22.8
8	Stem	X20Cr13
9	Bellows	SS304
10	Seal Washer	ss304+Graphite

No.	Part Name	Material
v11	Belt	ATSM A193 B7
12	Nut	ATSM A 194 2H
13	Cover	GS-C25 (1.0619)
14	Packing	Flexible Graphite/SS
15	Gland	GS-C25 (1.0619)
16	Guide Pin	C22.8
17	Guide Piece	C22.8
18	Lock Nut	Al Alloy
19	Impact Handwheel	C22.8
20	Yoke Nut	Cu Alloy





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**TECHNICAL DRAWING (DN200-400)**  
**DIMENSION TABLE**

D	PN16									
	L	D1	D2	D3	N-Ø	H	B	F	W	SB
15	130	95	65	45	4x14	180	16	2	120	5
20	150	105	75	58	4x14	190	18	2	140	5
25	160	115	85	68	4x14	220	18	2	140	5
32	180	140	100	78	4x18	222	18	2	140	5
40	200	150	110	88	4x18	252	18	3	160	6
50	230	165	125	102	4x18	263	20	3	160	6
65	290	185	145	122	4x18	295	18	3	180	6.5
80	310	200	160	138	4x18	330	20	3	200	7
100	350	220	180	162	4x18	350	20	3	250	8
125	400	250	210	188	4x18	420	22	3	250	9
150	480	285	240	218	8x22	455	22	3	350	10

D	PN 25 - PN 40									
	L	D1	D2	D3	N-Ø	H	B	F	W	SB
15	130	95	65	45	4x14	180	16	2	120	5
20	150	105	75	58	4x14	190	18	2	140	5
25	160	115	85	68	4x14	220	18	2	140	5
32	180	140	100	78	4x18	222	18	2	140	5
40	200	150	110	88	4x18	252	18	3	160	6
50	230	165	125	102	4x18	263	20	3	160	6
65	290	185	145	122	4x18	295	22	3	180	7
80	310	200	160	138	4x18	330	24	3	200	7.5
100	350	235	190	162	8x22	350	24	3	250	9
125	400	270	220	188	8x26	420	26	3	250	10
150	480	300	250	218	8x26	455	28	3	350	11

D	PN16						
	L	D	D1	D2	B	f	N-Ø
200	600	340	295	268	24	3	12-Ø22
250	730	405	355	320	26	3	12-Ø26
300	850	460	410	378	28	4	12-Ø26
350	980	520	470	438	30	4	16-Ø26
400	1100	580	525	490	32	4	16-Ø30

D	PN25						
	L	D	D1	D2	B	f	N-Ø
200	600	360	310	278	30	3	12-Ø26
250	730	425	370	335	32	3	12-Ø30
300	850	485	430	395	34	4	12-Ø30
350	980	555	490	450	38	4	16-Ø33
400	1100	620	555	505	40	4	16-Ø36

D	PN40						
	L	D	D1	D2	B	f	N-Ø
200	600	375	320	285	34	3	12-Ø30
250	730	450	385	345	38	3	12-Ø33
300	850	515	450	410	42	4	12-Ø33
350	980	580	510	465	46	4	16-Ø36
400	1100	660	585	535	50	4	16-Ø39



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