

# BELLOWS SEALED GLOBE VALVES



Offering superior sealing performance, the MIYAWAKI bellows sealed globe valve series (VBSGV) is the product of choice for all applications with high sealing demands. Especially in applications with permeable media or high tightness requirements under low pressure conditions, bellows sealed valves show their strengths.

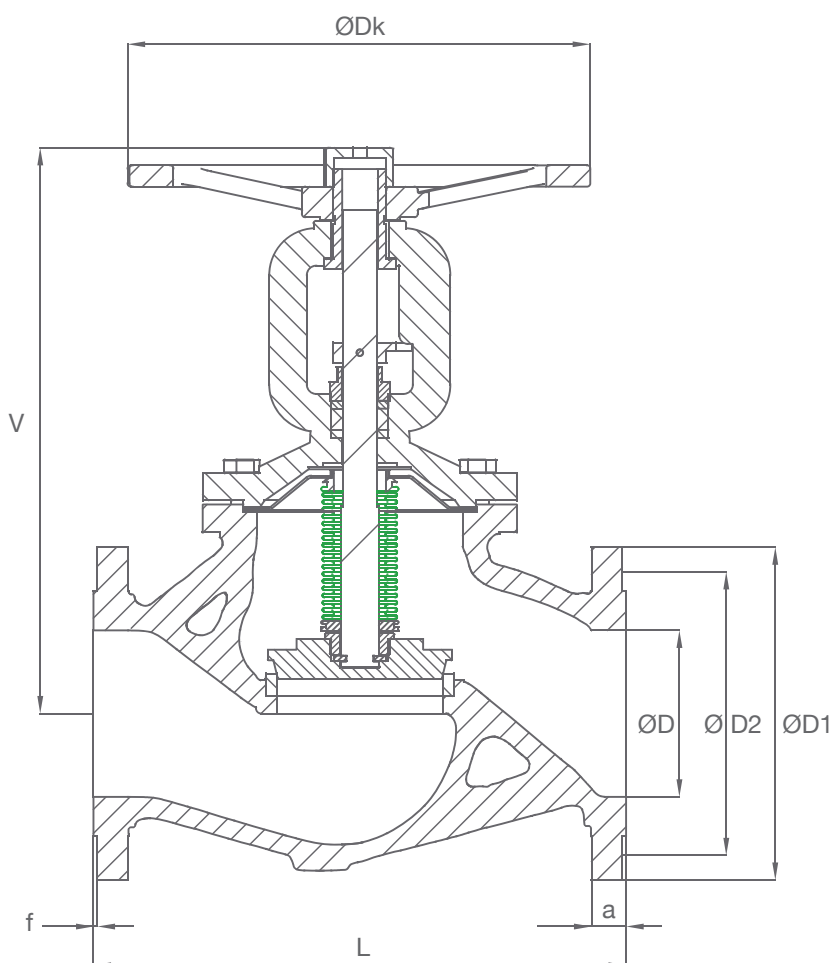
The valves offer a unique set of features, creating one of the highest quality valve on the market with competitive pricing. The main purposes of bellows sealed globe valves are tightness and maintenance free operation, therefore contributing to environmental protection and overall equipment effectiveness. The MIYAWAKI valve design ensures constant sealing ability, long lifetime and a free operation. Even in standard version our valves offer outstanding design features.

## FEATURES

- free rotating, conical plug
- multi layer bellows
- non ejectable stem
- TA luft packing
- robust and economic handwheel from casting
- ACME thick tread stem
- stop screw, stroke limiter and lubricator
- robust yoke design

## OPTIONS

- special flange sealing surface for special tightness requirements
- limit switches
- free from oil and grease treatment ready for oxygen application
- packing box and body-bonnet gasket in gylon PTFE (+280°C)
- X-RAY test for flange end connection
- X-RAY test for buttweld end connection
- chain locking device
- automation



VALVE	STANDARD	MATERIAL CODE	AVAILABLE SIZE	OPERATING CONDITIONS			
				-10°C bis 120°C*	300°C	350°C	400°C
PN 16 – grey cast iron	EN 1092-2, ASME on request	EN-JL1040	DN 15 – DN 250	16	9,6	–	–
PN 16 – nodular cast iron	EN 1092-2, ASME on request	EN-GJS / 400-18-LT	DN 15 – DN 250	16	12,8	11,2	–
PN 25 – nodular cast iron	EN 1092-2, ASME on request	EN-GJS / 400-18-LT	DN 15 – DN 200	25	20	17,5	–
PN 40 – cast steel	EN 1092-1, ASME on request	1.0619 / ASTM – A-216 Gr WCB	DN 15 – DN 250	40	27,7	25,7	23,8
PN 40 – stainless steel	EN 1092-1, ASME on request	1.4408 / ASTM – A-351 Gr CF8M	DN 15 – DN 300	40	29,7	28,5	27,4

\* -60°C to 100°C for stainless steel

# SERIES VBSGV PN16-25

COMPONENT	MATERIALS
Body & Bonnet	EN-JL 1040 Cast Iron / EN-GJS-400-18-LT, Nodular Cast Iron
Plug	St. Steel 1.4021 + Hard Faced 13% Cr
Seat	ASTM – A105 + Hard Faced 13% Cr
Bellow	St. Steel 1.4541 / AISI-321
Bellow Collar	St. Steel 1.4541
Stem	St. Steel 1.4006
Gland	St. Steel 1.4021
Packing	Pure Graphite
Hand Wheel	EN-GJS-400-18-LT, Nodular
Bonnet Gasket	Graphite + Stainless Steel
Bolt & Nuts	Carbon Steel Gr.10.9



PN	D	DIMENSIONS (mm)									WEIGHT (kg)
		D <sub>1</sub>	D <sub>2</sub>	V	L	D <sub>K</sub>	a	f	d	n	
16	15	95	65	215	130	172	16	2	4	4	4,8
	20	105	75	220	150	172	16	2	5	4	5,2
	25	115	85	230	160	172	17	3	6,5	4	6,0
	32	140	100	235	180	172	18	3	8	4	7,8
	40	150	110	255	200	200	18	3	10	4	11,2
	50	165	125	265	230	200	20	3	13	4	13,6
	65	185	145	325	290	250	20	3	16,5	4	22,9
	80	200	160	335	310	250	22	3	20	8	27,4
	100	220	180	385	350	300	24	3	25	8	40,3
	125	250	210	425	400	350	26	3	32	8	67,2
	150	285	240	485	480	400	26	3	38	8	89,2
	200	340	295	615	600	450	30	3	51	12	143,5
250	405	355	780	730	500	32	3	63	12	241,0	

PN	D	DIMENSIONS (mm)									WEIGHT (kg)
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25	15	95	65	215	130	172	16	2	4	4	5,0
	20	105	75	220	150	172	18	2	5	4	5,5
	25	115	85	230	160	172	19	3	6,5	4	6,4
	32	140	100	235	180	172	19	3	8	4	8,3
	40	150	110	265	200	200	19	3	10	4	11,5
	50	165	125	275	230	200	20	3	13	4	14,2
	65	185	145	325	290	250	22	3	16,5	8	24,8
	80	200	160	355	310	250	24	3	20	8	27,9
	100	235	190	410	350	300	24	3	25	8	42,2
	125	270	220	450	400	350	26	3	32	8	67,0
	150	300	250	525	480	400	28	3	38	8	91,0
	200	360	310	640	600	450	34	3	51	12	147,0
250	425	370	820	730	500	38	3	63	12	246,0	

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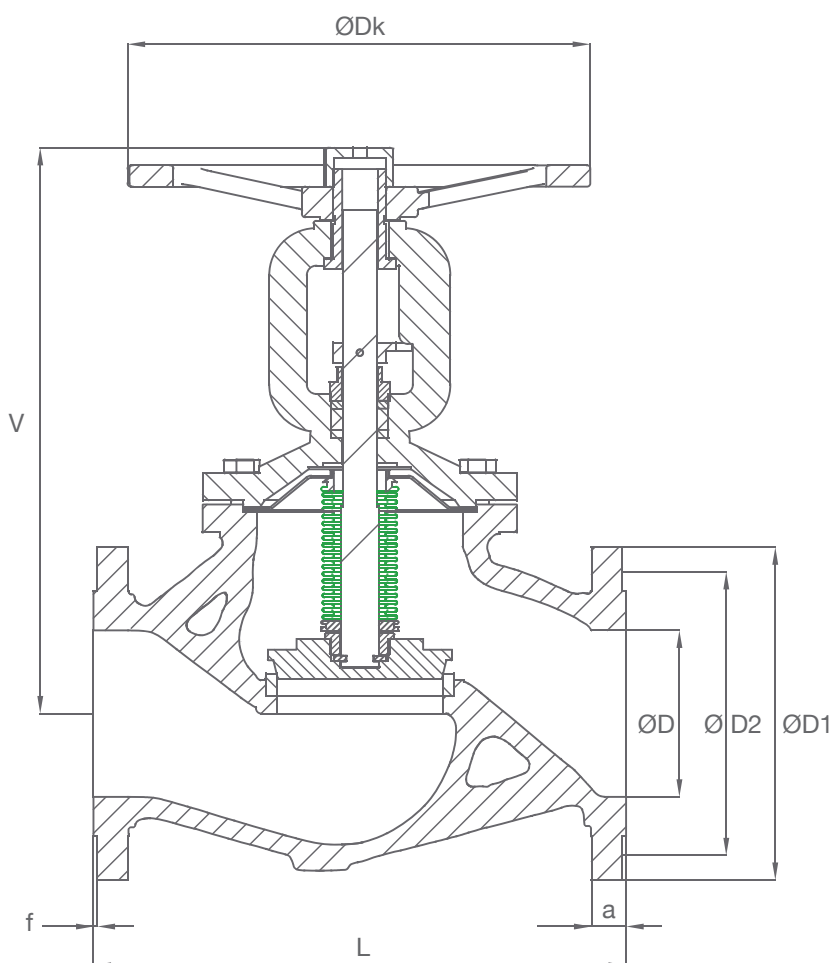
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