

**BVALVE<sup>®</sup>**

DIN Bellows sealed valves

# Why our bellows sealed valves are the best in the market?

DIN bellows sealed valves have become highly popular in steam and thermal oil markets due to the mass consumption the industry demand has generated.

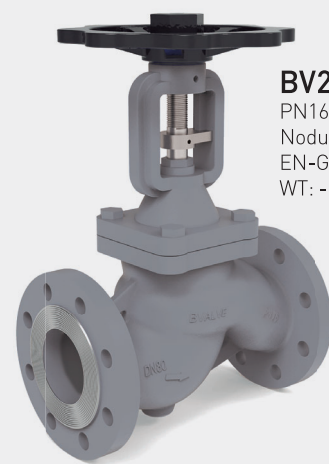
This increase in demand has led to a massive manufacturing of these valves at very low prices causing a drastic reduction in quality performance and therefore missing this valve's main target: being a maintenance free stop valve.

BVALVE however has avoided reducing our quality standards while maintaining our bellow sealed valves at **highly competitive prices**.

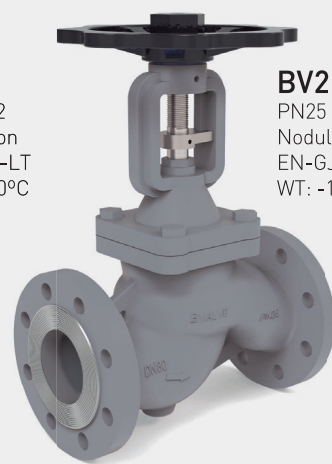
BVALVE Flow, Systems & Controls is pleased to introduce the **most technically advanced DIN/EN bellows sealed globe valve** in current market, its BV2506X.



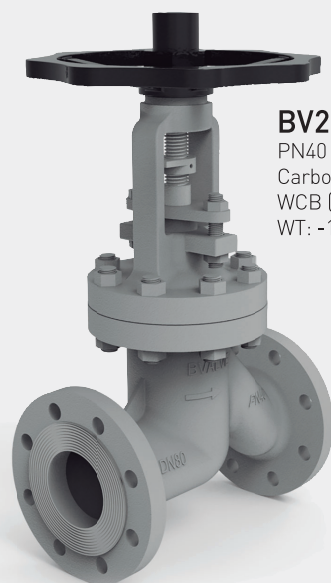
**BV25061**  
PN16 EN 1902-2  
Cast Iron  
EN-JL 1040  
WT: -10°C...+300°C



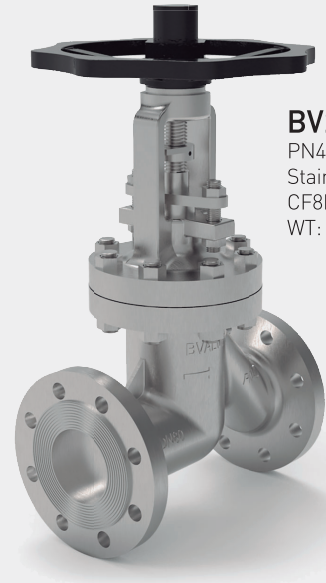
**BV25064**  
PN16 EN 1902-2  
Nodular Cast Iron  
EN-GJS-400-18-LT  
WT: -10°C...+350°C



**BV25063**  
PN25 EN 1902-2  
Nodular Cast Iron  
EN-GJS-400-18-LT  
WT: -10°C...+350°C



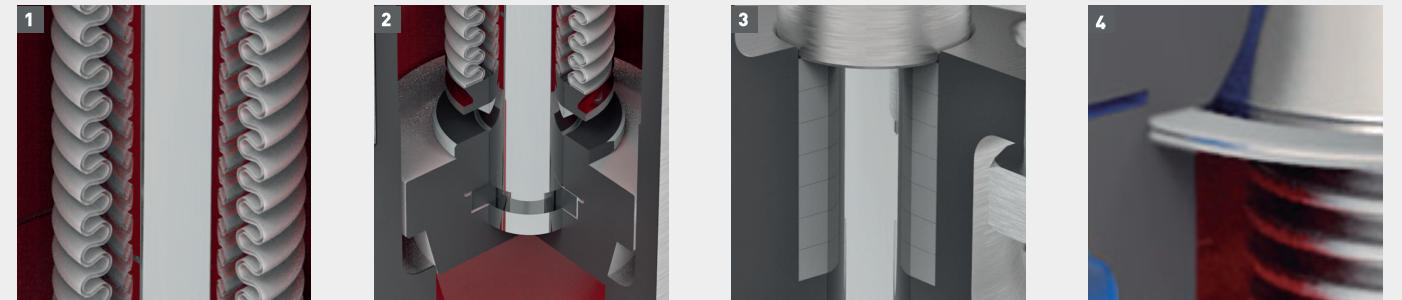
**BV25065**  
PN40 EN 1902-1  
Carbon steel  
WCB (1.0619)  
WT: -10°C ... +400°C



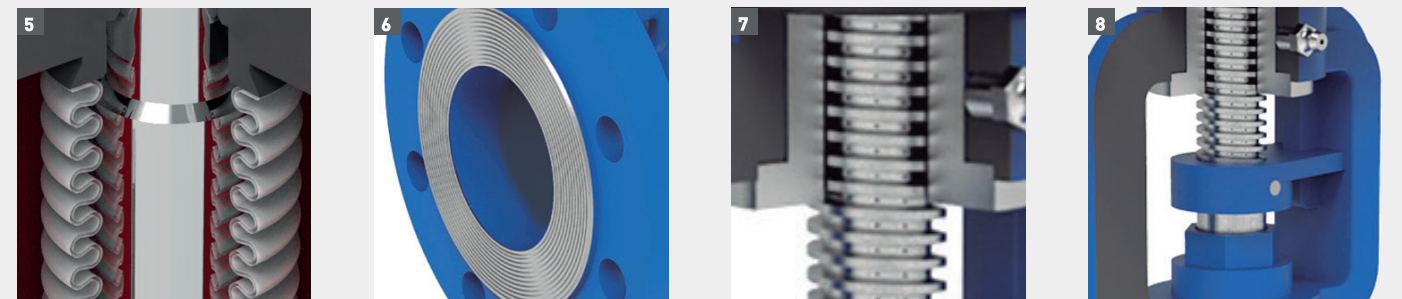
**BV25066**  
PN40 EN 1902-1  
Stainless Steel  
CF8M (1.4408)  
WT: -60°C ... +400°C

**ZERO LEAKAGE!**

## Features of high quality bellows sealed valves

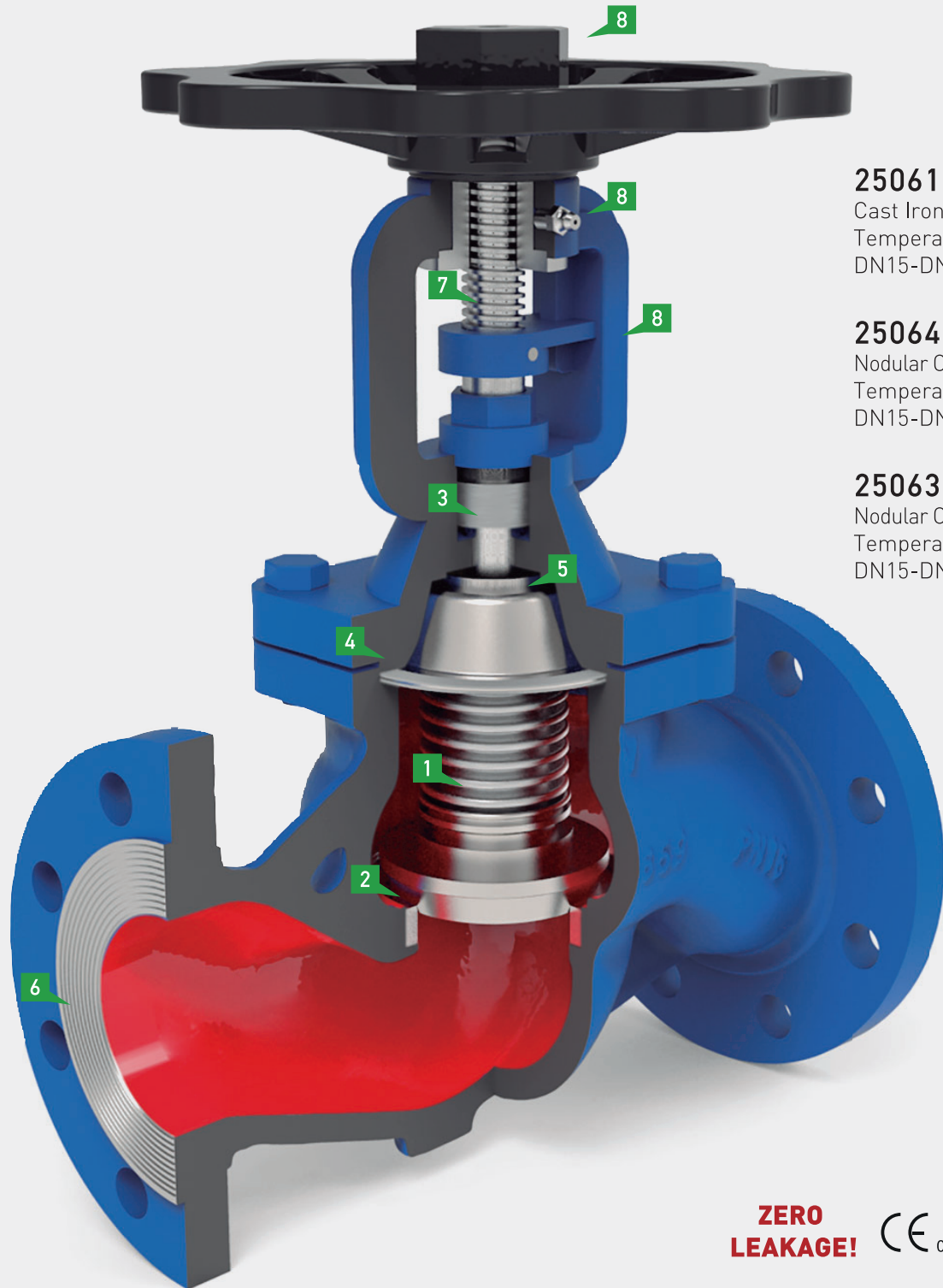


- 1. Multiple layer stainless steel bellows.** Double, triple and quadruple bellows wall depending on the size of the valve. Welded to the stem and not to the disc, preventing the transmission of vibrations and extending the life of the bellows. Secured against torque and designed to last for 30,000 operations.
- 2. Standard 360° free rotation and conical plug** provides a tighter closure while maintaining seat clean from shards. Both seat and plug are made out of hardened chromium steel 1.4021 or armored with stellite.
- 3. TA-LUFT certified** full size safety gland packing made of pure graphite together with our bellows, provide a fully reliable 0 leakage unit. Can also be supplied in PTFE if requested for chemical applications (PN40)
- 4. Stainless steel cam profiled bonnet gasket** coated with pure graphite, mounted in **tongue and grooved bonnet** flanges reinforces operating safety in case of leakage. Can also be supplied in PTFE if requested for chemical applications (PN40)



- 5. Non Ejectable Stem.** Stem includes mechanical stop which at the same time perform the function of locking metal to metal in the opened positions and hence prevent stems from being ejected due to process pressures, while guaranteeing a zero leakage in case of broken bellows. Meanwhile, mechanical stop adds robustness when valves are opened.
- 6. Flange faces with thin machining** acc. EN 1092, high quality cast iron and nodular cast iron, EN 10204 3.1 certificate available.
- 7. ACME Thick thread stem**
- 8. Easy handling:** Robust and ergonomic hand wheel. Lubricator and anti-friction bearings that eases the valve opening and closing. Robust yoke design and opening indicator that allows user to know in which opening / closing stage is the valve without having to operate it.

BVALVE DIN Bellows Sealed Valves



**25061 PN16**

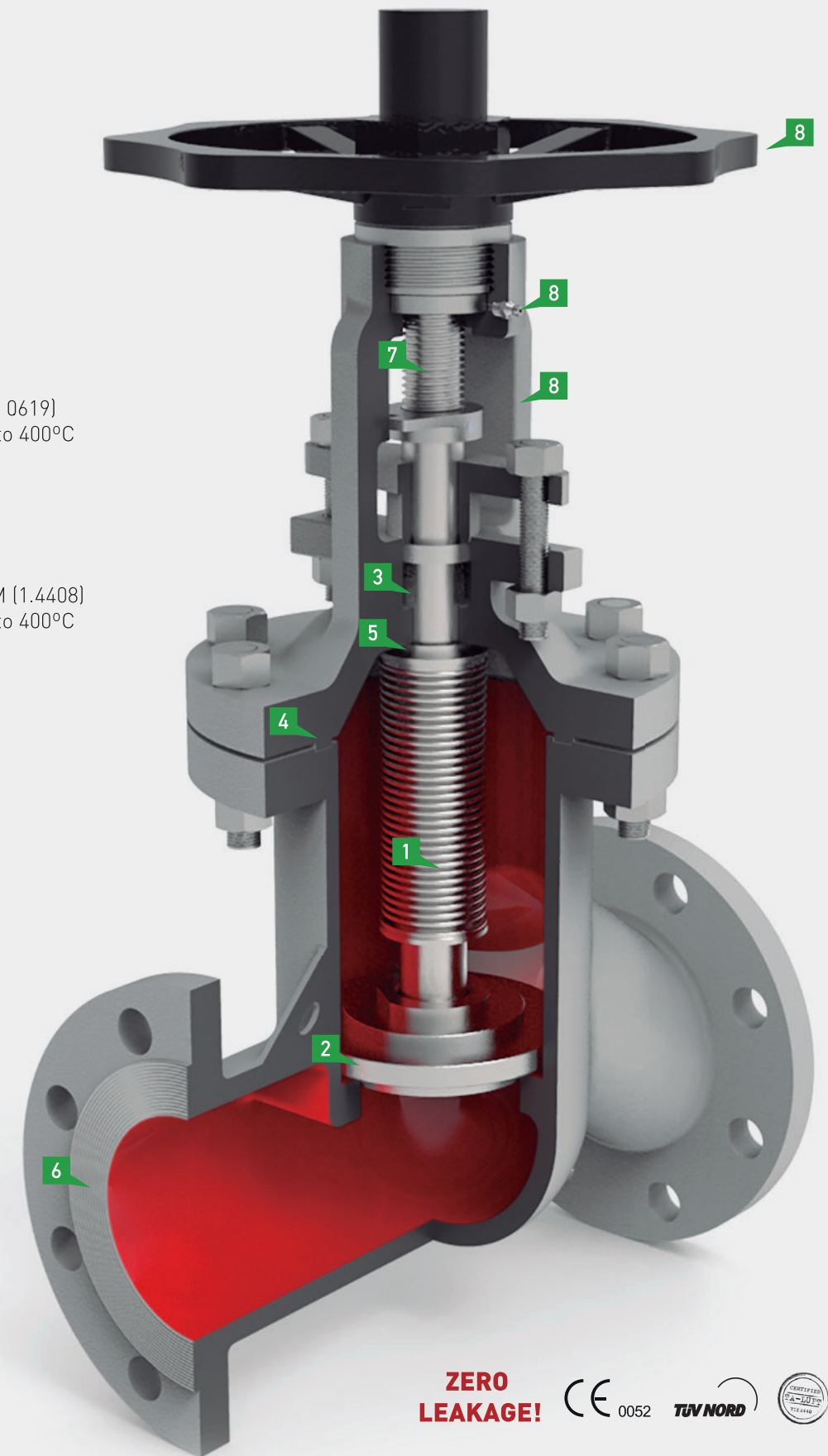
Cast Iron EN-JL 1040  
Temperature -10°C to 300°C  
DN15-DN300

**25064 PN16**

Nodular Cast Iron EN-GJS-400-18-LT  
Temperature -10°C to 350°C  
DN15-DN300

**25063 PN25**

Nodular Cast Iron EN-GJS-400-18-LT  
Temperature -10°C to 350°C  
DN15-DN200



**25065 PN40**

Carbon steel WCB (1 0619)  
Temperature -10°C to 400°C  
DN15-DN300

**25066 PN40**

Stainless Steel CF8M (1.4408)  
Temperature -60°C to 400°C  
DN15-DN300

**ZERO LEAKAGE!** CE 0052 TUV NORD

**ZERO LEAKAGE!** CE 0052 TUV NORD



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# BV25063 | PN25 EN 1092-2

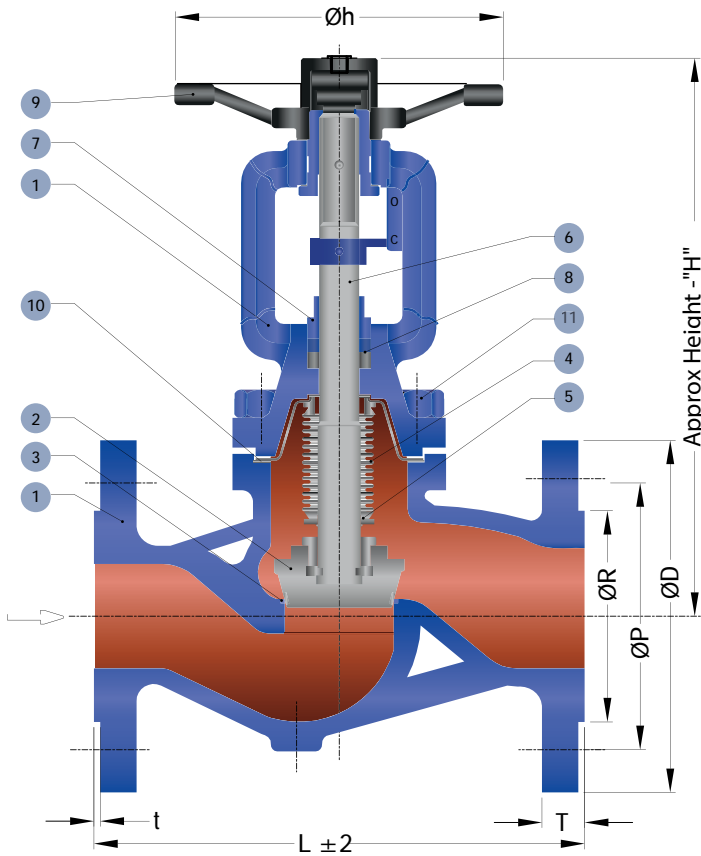
## Nodular Cast Iron EN-GJS-400-18-LT



Testing pressure in bar

Temperature min. -10°C  
 Temperature max. +350°C

Hydro	Body	37,5
	Seat	27,5
Air	Seat	07



Nº	COMPONENT	MATERIALS
1	Body & Bonnet	EN-GJS-400-18-LT Nodular Cast Iron
2	Plug	St. Steel 1.4021 + Hard Faced 13% Cr
3	Seat	ASTM - A105 + Hard Faced 13% Cr
4	Bellow	St. Steel 1.4541 / AISI-321
5	Bellow collar	St. Steel 1.4541
6	Stem	St. Steel 1.4006
7	Gland	St. Steel 1.4021
8	Packing	Pure Graphite
9	Hand Wheel	EN-GJS-400-18-LT Nodular
10	Bonnet Gasket	Graphite + Stainless steel
11	Bolt & Nuts	Carbon Steel Gr.10.9

**ZERO LEAKAGE**  
 DIN: Rate A acc.EN12266-1

Face to face dimensions acc. to EN558-1  
 Flanges acc. to EN 1092-2 form B

DN	PN	ØD (outer flange diameter)	ØP (Bolt cercle)	ØR	T (FGL.THK)	t	NO.OF HOLE / Ø	L (Face to face)	Øh	STROKE	H (closed)	Weight (Kg)
15	25	95	65	46	16	2	4/Ø14	130	150	4	215	5,00
20	25	105	75	56	18	2	4/Ø14	150	150	5	220	5,50
25	25	115	85	65	19	3	4/Ø14	160	150	6.5	230	6,40
32	25	140	100	76	19	3	4/Ø19	180	150	8	235	8,30
40	25	150	110	84	19	3	4/Ø19	200	200	10	265	14,20
50	25	165	125	99	20	3	4/Ø19	230	200	13	275	14,14
65	25	185	145	118	22	3	8/Ø19	290	250	16,5	325	24,80
80	25	200	160	132	24	3	8/Ø19	310	250	20	355	27,90
100	25	235	190	156	24	3	8/Ø23	350	300	25	410	42,20
125	25	270	220	184	26	3	8/Ø28	400	350	32	450	67,00
150	25	300	250	211	28	3	8/Ø28	480	400	38	525	91,00
200	25	360	310	274	34	3	12/Ø28	600	450	51	640	147,00

all dimensions in mm.

WORKING CONDITIONS						
Temperature °C	-10/120	150	200	250	300	350
Pressure Bar	25	24,3	23	21,8	20	17,5