

● **Bellow Seal Globe Valve** Model No: WJ11H, WJ61Y

1. US standard:

Design and manufacture: ASME B16.34, MSS-SP-117, BS1873

Face to face: ASME B16.10;

Connection end size: ASME B16.5, ASME B16.25

Test standard: API598

2. Germany standard:

Design and manufacture: DIN3356;

Face to face: DIN3202;

Connection end size: DIN2543-2546

Test standard: DIN3230

3. China standard:

Design and manufacture: GB12235;

Face to face: GB12221;

Connection end size: JB/T79, GB9113, HG20592

Test standard: JB/T 9092, GB/T13927

**Advantages:**

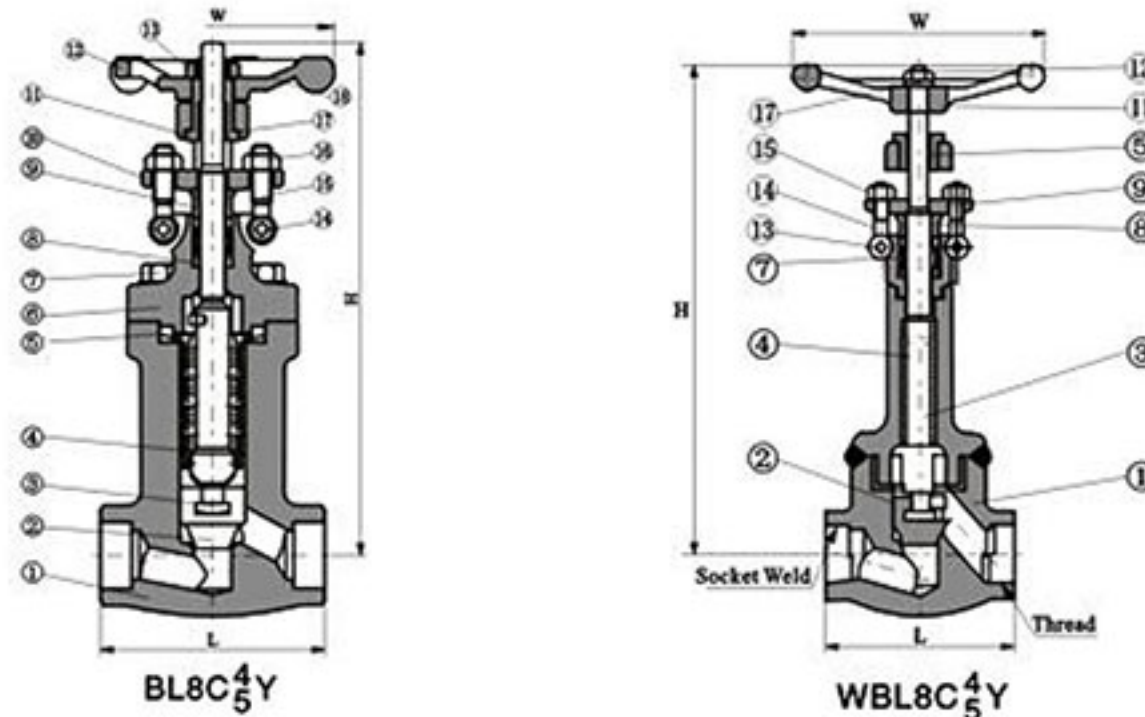
It adopts bellow seal, and it eliminates the shortcomings of the common valve, its stem packing seal is aging fast and easy to leak, it not only improve the use of energy efficiency, increase production equipment safety, reduce the maintenance costs and frequency, but also provides a clean and safe working surrounding for us.

Unique self seal structure, the higher of the pressure, the stronger of seal performance.

**Structure features:**

1. double seal designing (bellow + packing seal), if the bellow fails, stem packing can work;
2. No fluid loss, reduce energy losses, improve plant safety;
3. Seal face is built-up welding with Co base carbide, so it is wear resistance, corrosion resistance, friction resistance, long service life, and it can reduce maintenance times, and operating costs;
4. Valve stem is zero leakage, no need of maintenance;
5. Valve stem is quenching and surface nitriding treatment, so it has a good anti corrosion, anti friction;
6. Stem position indication is more intuitive.





**Materials of main parts:**

No.	Parts name	CS	AS	SS	
		A105N	A182 F22	A182 F304(L)	A182 F316(L)
1	Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	Seat	A276 420	A276 304	A276 304(L)	A276 316(L)
3	Disc	A276 420	A276 304	A276 304(L)	A276 316(L)
4	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
5	Bellow	304		304(L)	316(L)
6	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
7	Packing	Flexible graphite		PTFE	
8	Anchor bolt/nut	A193 B8/A 194 2H	A193 B8/A 194 4	A193 B8/A194 8	A193 B8/A194 8M
9	Packing press plate	A276 420		A182 F304	
10	Packing press plate	A105N		A182 F304	
11	Stem nut	A276 420			
12	Hand wheel	A197, A182 F304			
13	Lengthening sleeve	A105	A182 F22	A182 F304(L)	A182 F316(L)
14	Down plunker	A182 F304	A182 F304	A182 F304(L)	A182 F316(L)
15	Up plunker	A182 F304	A182 F304	A182 F304(L)	A182 F316(L)
16	Screw	A276 420		A182 F304	
17	Locknut	A194 2H	A194 4	A194 8	A194 8M
Applicable medium		Water, oil, steam	Water, oil, steam	Nitric acid, acetic acid, etc.	
Suitable temperature		-29°C~425°C	-29°C~550°C	-29°C~200°C	

**Note:** Other materials are also available on requested, seal face materials depend on the customized trim materials. CS=carbon steel; AS=steel alloyed; SS=stainless steel.

**Outline dimensions (mm) & reference weight (kg)**

NPS	Reduce bore	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	Full bore		3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
L1		79	79	92	111	120	120	140
L		79	79	92	111	120	152	172
H (open)		220	220	225	244	321	321	347
W		100	100	100	125	160	160	180
Weight	Threaded	3.2	3.0	4.8	7.9	11.0	16.8	25.2
	Welded	3.0	2.8	4.8	7.0	9.6	13.5	20.25