

# Globe Valves

## Threaded

### Bronze

#### ISRS, Union Bonnet, 150#



**Fig. 1410-B62**

### Description

Bronze globe valve, female threaded ends, Union Bonnet (UB), Inside Screwed Rising Stem (ISRS), rising hand wheel, metal seated, plug type disc, back seat, pressure class 150#.

### Technical Features

<b>Design</b>	Generally in accordance with MSS SP-80 Body, bonnet castings from a Marine Class Society Approved Foundry on request
<b>Marking</b>	In accordance with MSS SP-25
<b>Testing</b>	In accordance with MSS SP-80, API 598
<b>Face to Face</b>	Manufacturer's standard, see below dimensions table
<b>Thread Dimensions</b>	NPT female thread in accordance with ASME B1.20.1
<b>Pressure Rating</b>	MSS SP-80-Class 150# *
<b>Temperature Range</b>	-29°C to +232°C **
<b>Options</b>	<ul style="list-style-type: none"> <li>- In other bronze materials</li> <li>- With BSP female threaded (Suffix <b>BSP</b>)</li> <li>- With secured bonnet (Suffix <b>SB</b>)</li> <li>- With Screw Down Non Return Stop / Check Disc (Suffix <b>SDNR</b>)</li> </ul>

### Pressure and Temperature Range [Barg/°C]

DN	Press Class	Material	Pressure / Temperature Rating to MSS SP-80* [Barg / °C]							°C
			-29/+66	+93	+121	+149	+177	+208**	+232	
1/2"-3"	150#	ASTM B62	20.68	18.62	16.55	14.48	12.41	10.34	10.00	Barg

\* Above P-T table is extracted from MSS SP-80 material B62, Class 150#

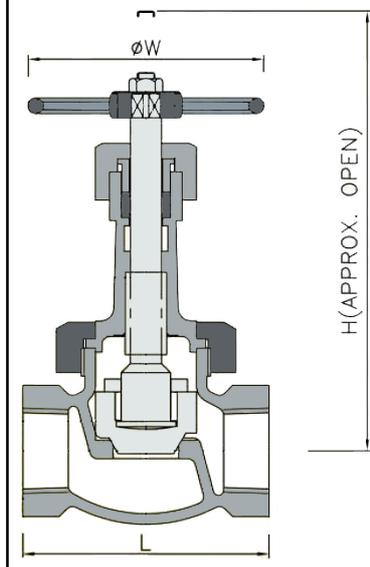
\*\* Some codes (i.e. ASME BPVC, Section 1) limit the rating of ASTM B62 bronze to +208°C)

### Materials

Parts Description	Figure 1410-B62
<b>Body</b>	Cast Bronze ASTM B62
<b>Bonnet</b>	Cast Bronze ASTM B62
<b>Union Nut</b>	Cast Bronze ASTM B62
<b>Disc</b>	Cast Bronze ASTM B62
<b>Stem</b>	Brass ASTM B124-C37700
<b>Hand Wheel</b>	Cast Iron ASTM A126

### Dimensions [mm]

DN	L	H	øW	Weight [Kg]
1/2"	68	134	80	0.73
3/4"	81	134	80	1.06
1"	95	165	100	1.61
1 1/4"	108	175	100	2.61
1 1/2"	121	190	125	3.44
2"	146	254	140	5.70
2 1/2"	168	265	140	7.91
3"	197	302	160	10.83



# Globe Valves

## Threaded

### Bronze

#### ISRS, Union Bonnet, 300#

ANSI



**Fig. 1411-B61**

### Description

Bronze globe valve, female threaded ends, Union Bonnet (UB), Inside Screwed Rising Stem (ISRS), rising hand wheel, metal seated, plug type disc, back seat, pressure class 300#.

### Technical Features

<b>Design</b>	Generally in accordance with MSS SP-80 Body, bonnet castings from a Marine Class Society Approved Foundry on request
<b>Marking</b>	In accordance with MSS SP-25
<b>Testing</b>	In accordance with MSS SP-80, API 598
<b>Face to Face</b>	Manufacturer's standard, see below dimensions table
<b>Thread Dimensions</b>	NPT female thread in accordance with ASME B1.20.1
<b>Pressure Rating</b>	MSS SP-80-Class 300# *
<b>Temperature Range</b>	-29°C to +288°C
<b>Options</b>	- In other bronze materials - With BSP female threaded (Suffix <b>BSP</b> ) - With secured bonnet (Suffix <b>SB</b> ) - With Screw Down Non Return Stop / Check Disc (Suffix <b>SDNR</b> )

### Pressure and Temperature Range [Barg/°C]

DN	Press Class	Mat.	Pressure / Temperature Rating to MSS SP-80* [Barg / °C]									
			-29/ +66	+93	+121	+149	+177	+204	+232	+260	+288	°C
½"-3"	300#	ASTM B61	41.37	38.61	36.20	33.78	31.03	28.27	25.86	23.44	20.68	Barg

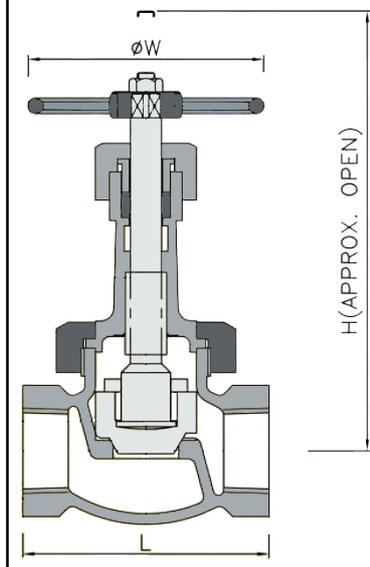
\* Above P-T table is extracted from MSS SP-80 material B61, class 300#

### Materials

Parts Description	Figure 1411-B61
<b>Body</b>	Cast Bronze ASTM B61
<b>Bonnet</b>	Cast Bronze ASTM B61
<b>Union Nut</b>	Cast Bronze ASTM B61
<b>Disc</b>	Cast Bronze ASTM B61
<b>Stem</b>	Brass ASTM B124-C37700
<b>Hand Wheel</b>	Cast Iron ASTM A126

### Dimensions [mm]

DN	L	H	øW	Weight [Kg]
1/2"	68	134	80	0.77
3/4"	81	134	100	1.29
1"	95	165	100	2.18
1 1/4"	108	175	125	3.19
1 1/2"	121	190	140	3.78
2"	146	254	160	6.19
2 1/2"	168	265	160	8.21
3"	197	302	160	11.52



# Globe Valves Flanged Bronze

ANSI

ISRS, Union Bonnet, 150#



**Fig. 1820 UB-B62**

## Description

Bronze globe valve, flanged ends (Flat Faced), Union Bonnet (UB), Inside Screwed Rising Stem (ISRS), rising hand wheel, metal seated, plug type disc, back seat, pressure class 150#.

## Technical Features

<b>Design</b>	Generally in accordance with MSS SP-80 and BS 1873 Body, bonnet castings from a Marine Class Society Approved Foundry on request
<b>Marking</b>	In accordance with MSS SP-25
<b>Testing</b>	In accordance with MSS SP-80, API 598
<b>Face to Face</b>	In accordance with ASME B16.10:2000 Table 1 Column 15
<b>Flange Dimensions</b>	In accordance with ASME B16.5-Class 150# (Flat Faced)
<b>Pressure Rating</b>	In accordance with ASME B16.24-Class 150# *
<b>Temperature Range</b>	-29°C to +232°C for ASTM B62 material ** -29°C to +289°C for ASTM B61 material
<b>Options</b>	<ul style="list-style-type: none"> <li>- In ASTM B61 bronze (Suffix <b>B61</b>)</li> <li>- In other bronze materials</li> <li>- With secured bonnet (Suffix <b>SB</b>)</li> <li>- With Screw Down Non Return Stop / Check Disc (Suffix <b>SDNR</b>)</li> <li>- With other flanged connections DIN, JIS etc.</li> <li>- With Marine Class Inspection Certificate (EN10204-3.2) by ABS, BV, DNV, LRS and other (Marine Class) Societies</li> </ul>

## Pressure and Temperature Range [Barg/°C]

DN	Press Class	Mat.	Pressure / Temperature Rating to ASME B16.24* [Barg / °C]												
			-29/66	100	125	150	175	200	208**	225	232	250	275	289	°C
1/2"-1 1/2"	150#	B62	15.5	14.3	13.4	12.4	11.4	10.4	10.3	9.5	9.3				Barg
1/2"-1 1/2"	150#	B61	15.5	14.6	14.1	13.4	12.4	11.9	11.7	11.5	11.2	10.5	10.0	9.7	Barg

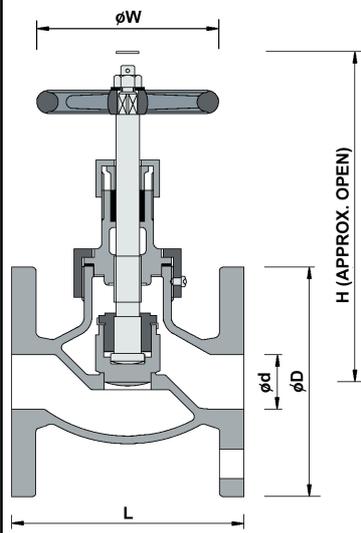
\* Above P-T table is extracted from ASME B16.24 materials ASTM B62 and B61, class 150#

\*\* Some codes (i.e. ASME BPVC, Section 1) limit the rating of ASTM B62 bronze to +208°C)

## Materials

Parts Description	Figure 1820 UB-B62	Figure 1820 UB-B61
<b>Body</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Bonnet</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Union Nut</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Disc</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Stem</b>	Brass ASTM B124-C37700	Brass ASTM B124-C37700
<b>Hand Wheel</b>	Cast Iron ASTM A126	Cast Iron ASTM A126

## Dimensions [mm]



DN	ød	øD	L	H	øW	Weight [Kg]
1/2"	DN15	13	90	108	205	3
3/4"	DN20	20	100	117	215	4
1"	DN25	26	110	127	235	6
1 1/4"	DN32	32	115	140	240	9
1 1/2"	DN40	39	125	165	255	9



**Fig. 1821 UB-B62**

### Description

Bronze globe valve, flanged ends (Flat Faced), Union Bonnet (UB), Inside Screwed Rising Stem (ISRS), rising hand wheel, metal seated, plug type disc, back seat, pressure class 300#.

### Technical Features

<b>Design</b>	Generally in accordance with MSS SP-80 and BS 1873 Body, bonnet castings from a Marine Class Society Approved Foundry on request
<b>Marking</b>	In accordance with MSS SP-25
<b>Testing</b>	In accordance with MSS SP-80, API 598
<b>Face to Face</b>	In accordance with ASME B16.10:2000 Table 2 Column 15
<b>Flange Dimensions</b>	In accordance with ASME B16.5-Class 300# (Flat Faced)
<b>Pressure Rating</b>	In accordance with ASME B16.24-Class 300#*
<b>Temperature Range</b>	-29°C to +232°C for ASTM B62 material** -29°C to +289°C for ASTM B61 material
<b>Options</b>	<ul style="list-style-type: none"> <li>- In ASTM B61 bronze (Suffix <b>B61</b>)</li> <li>- In other bronze materials</li> <li>- With secured bonnet (Suffix <b>SB</b>)</li> <li>- With Screw Down Non Return Stop / Check Disc (Suffix <b>SDNR</b>)</li> <li>- With other flanged connections DIN, JIS etc.</li> <li>- With Marine Class Inspection Certificate (EN10204-3.2) by ABS, BV, DNV, LRS and other (Marine Class) Societies</li> </ul>

### Pressure and Temperature Range [Barg/°C]

DN	Press Class	Mat.	Pressure / Temperature Rating to ASME B16.24* [Barg / °C]													
			-29/66	100	125	150	175	200	208**	225	232	250	275	289	°C	
½"-1½"	300#	B62	34.5	31.4	29.1	26.8	24.3	22.1	21.4	19.9	19.3					Barg
½"-1½"	300#	B61	34.5	32.4	30.9	29.3	27.6	26.1	25.6	24.6	24.1	23.0	21.6	20.7	Barg	

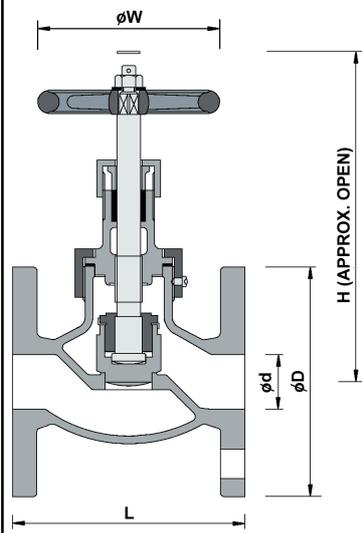
\* Above P-T table is extracted from ASME B16.24 materials ASTM B62 and B61, class 300#  
\*\* Some codes (i.e. ASME BPVC, Section 1) limit the rating of ASTM B62 bronze to +208°C

### Materials

Parts Description	Figure 1821 UB-B62	Figure 1821 UB-B61
<b>Body</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Bonnet</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Union Nut</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Disc</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Stem</b>	Brass ASTM B124-C37700	Brass ASTM B124-C37700
<b>Hand Wheel</b>	Cast Iron ASTM A126	Cast Iron ASTM A126

### Dimensions [mm]

DN	ød	øD	L	H	øW	Weight [Kg]
1/2"	DN15	13	95	152	215	4
3/4"	DN20	20	115	178	225	5
1"	DN25	26	125	203	250	8
1 1/4"	DN32	32	135	216	260	11
1 1/2"	DN40	39	155	229	275	12



# Globe Valves Flanged Bronze

ANSI

OS&Y, Bolted Bonnet, 150#



**Fig. 1820-B62**

## Description

Bronze globe valve, flanged ends (Flat Faced), Bolted Bonnet (BB), Outside Screwed and Yoke (OS&Y), rising stem, rising hand wheel, back seat, pressure class 150#.

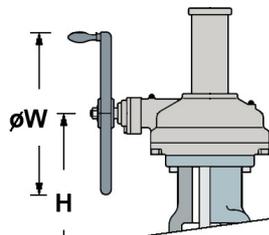
## Technical Features

<b>Design</b>	Generally in accordance with BS 1873 Body, bonnet castings from a Marine Class Society Approved Foundry on request
<b>Marking</b>	In accordance with BS 1873
<b>Testing</b>	In accordance with BS 1873, API 598
<b>Face to Face</b>	In accordance with ASME B16.10:2000 Table 1 Column 15
<b>Flange Dimensions</b>	In accordance with ASME B16.5-Class 150# (Flat Faced)
<b>Pressure Rating</b>	In accordance with ASME B16.24-Class 150#*
<b>Temperature Range</b>	-29°C to +232°C for ASTM B62 material** -29°C to +289°C for ASTM B61 material
<b>Options</b>	<ul style="list-style-type: none"> <li>- In ASTM B61 bronze (Suffix <b>B61</b>)</li> <li>- In other bronze materials</li> <li>- With Drain Plug (Suffix <b>DP</b>)</li> <li>- With Screw Down Non Return Stop / Check Disc (Suffix <b>SDNR</b>)</li> <li>- With other flanged connections DIN, JIS etc.</li> <li>- With Marine Class Inspection Certificate (EN10204-3.2) by ABS, BV, DNV, LRS and other (Marine Class) Societies</li> </ul>

## Pressure and Temperature Range [Barg/°C]

DN	Press Class	Mat.	Pressure / Temperature Rating to ASME B16.24* [Barg / °C]													
			-29/66	100	125	150	175	200	208**	225	232	250	275	289	°C	
2"-16"	150#	B62	15.5	14.3	13.4	12.4	11.4	10.4	10.3	9.5	9.3					Barg
2"-16"	150#	B61	15.5	14.6	14.1	13.4	12.4	11.9	11.7	11.5	11.2	10.5	10.0	9.7	Barg	

\* Above P-T table is extracted from ASME B16.24 materials ASTM B62 and B61, class 150#  
\*\* Some codes (i.e. ASME BPVC, Section 1) limit the rating of ASTM B62 bronze to +208°C

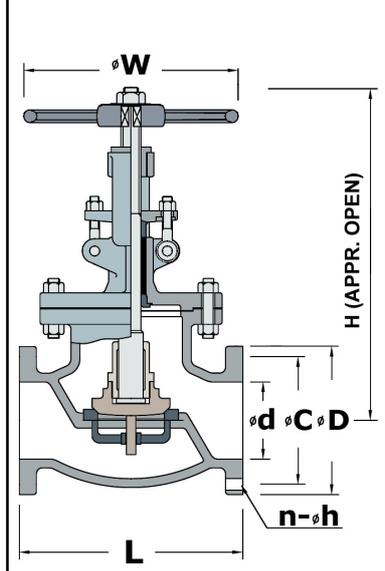


With Gear Operator

## Materials

Parts Description	Figure 1820-B62	Figure 1820-B61
<b>Body, Bonnet, Union Nut, Disc</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Stem, Back Seat</b>	Brass ASTM B124-C37700	Brass ASTM B124-C37700
<b>Gaskets, Packing</b>	Graphite	Graphite
<b>Bolting, Fasteners</b>	St. St. A194-8M & A193-B8M	St. St. A194-8M & A193-B8M
<b>Hand Wheel</b>	Cast Iron ASTM A126	Cast Iron ASTM A126

## Dimensions [mm]



DN	ød	øC	øD	H	L	n-øh	øW	Weight
2"	DN50	51	120.7	150	366	203	4-19.1	18 Kg
2½"	DN65	64	139.7	180	394	216	4-19.1	29 Kg
3"	DN80	76	152.4	190	415	241	4-19.1	32 Kg
4"	DN100	102	190.5	230	504	292	8-19.1	45 Kg
5"	DN125	127	216.0	255	555	356	8-22.2	69 Kg
6"	DN150	152	241.3	280	580	406	8-22.2	85 Kg
8"	DN200	203	298.5	345	715	495	8-22.2	148 Kg
10"	DN250	254	362.0	405	792	622	12-25.4	239 Kg
12"	DN300	305	431.8	485	865	698	12-25.4	332 Kg
8" *	DN200	203	298.5	345	620	495	8-22.2	198 Kg
10" *	DN250	254	362.0	405	710	622	12-25.4	289 Kg
12" *	DN300 *	305	431.8	485	850	698	12-25.4	365 Kg
14" *	DN350 *	337	476.3	535	950	787	12-28.6	630 Kg
16" *	DN400 *	387	539.8	595	1070	914	16-28.6	850 Kg

\* Executed with Gear Operator



**Fig. 1821-B62**

### Description

Bronze globe valve, flanged ends (Flat Faced), Bolted Bonnet (BB), Outside Screwed and Yoke (OS&Y), rising stem, rising hand wheel, back seat, pressure class 300#.

### Technical Features

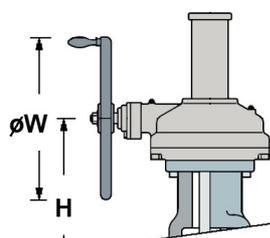
<b>Design</b>	Generally in accordance with BS 1873 Body, bonnet castings from a Marine Class Society Approved Foundry on request
<b>Marking</b>	In accordance with BS 1873
<b>Testing</b>	In accordance with BS 1873, API 598
<b>Face to Face</b>	In accord. with ASME B16.10:2000 Table 2 Column 15
<b>Flange Dimensions</b>	In accordance with ASME B16.5-Class 300# (Flat Faced)
<b>Pressure Rating</b>	In accordance with ASME B16.24-Class 300# *
<b>Temperature Range</b>	-29°C to +232°C for ASTM B62 material ** -29°C to +289°C for ASTM B61 material
<b>Options</b>	<ul style="list-style-type: none"> <li>- In ASTM B61 bronze (Suffix <b>B61</b>)</li> <li>- In other bronze materials</li> <li>- With Drain Plug (Suffix <b>DP</b>)</li> <li>- With Screw Down Non Return Stop / Check Disc (Suffix <b>SDNR</b>)</li> <li>- With other flanged connections DIN, JIS etc.</li> <li>- With Marine Class Inspection Certificate (EN10204-3.2) by ABS, BV, DNV, LRS and other (Marine Class) Societies</li> </ul>

### Pressure and Temperature Range [Barg/°C]

DN	Press Class	Mat.	Pressure / Temperature Rating to ASME B16.24* [Barg / °C]												
			-29/66	100	125	150	175	200	208**	225	232	250	275	289	°C
2"-14"	300#	B62	34.5	31.4	29.1	26.8	24.3	22.1	21.4	19.9	19.3				Barg
2"-14"	300#	B61	34.5	32.4	30.9	29.3	27.6	26.1	25.6	24.6	24.1	23.0	21.6	20.7	Barg

\* Above P-T table is extracted from ASME B16.24 materials ASTM B62 and B61, class 300#

\*\* Some codes (i.e. ASME BPVC, Section 1) limit the rating of ASTM B62 bronze to +208°C

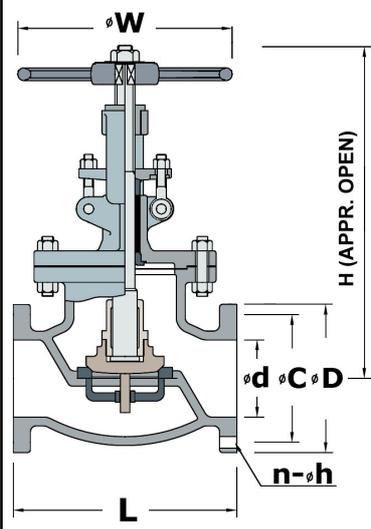


**With Gear Operator**

### Materials

Parts Description	Figure 1821-B62	Figure 1821-B61
<b>Body, Bonnet, Union Nut, Disc</b>	Cast Bronze ASTM B62	Cast Bronze ASTM B61
<b>Stem, Back Seat</b>	Brass ASTM B124-C37700	Brass ASTM B124-C37700
<b>Gaskets, Packing</b>	Graphite	Graphite
<b>Bolting, Fasteners</b>	St. St. A194-8M & A193-B8M	St. St. A194-8M & A193-B8M
<b>Hand Wheel</b>	Cast Iron ASTM A126	Cast Iron ASTM A126

### Dimensions [mm]



DN	DN	ød	øC	øD	H	L	n-øh	øW	Weight
2"	DN50	51	127.0	165	378	267	8-19.1	180	29 Kg
2½"	DN65	64	149.0	190	425	292	8-22.2	200	38 Kg
3"	DN80	76	168.3	210	464	318	8-22.2	224	58 Kg
4"	DN100	102	200.0	255	565	356	8-22.2	280	90 Kg
5"	DN125	127	234.9	280	620	400	8-22.2	355	154 Kg
6"	DN150	152	269.9	320	741	444	12-22.2	400	171 Kg
8"	DN200	203	330.2	380	805	559	12-25.4	500	243 Kg
10"	DN250	254	387.4	445	883	622	16-28.6	560	367 Kg
12"	DN300	305	450.8	520	926	711	16-31.8	500	474 Kg
8" *	DN200	203	330.2	380	899	533	12-25.4	710	293 Kg
10" *	DN250	254	387.4	445	1107	622	16-28.6	800	477 Kg
12" *	DN300 *	305	450.8	520	1202	711	16-31.8	900	700 Kg
14" *	DN350 *	337	514.4	585	1390	838	20-31.8	1000	880 Kg

\* Executed with Gear Operator



**KASKO DEMİRÇELİK MAKİNE VE İNŞAAT SANAYİ TİCARET LİMİTED ŞİRKETİ**

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