



# Globe Valves

Issue 01



**It's all at Albion**

# ART 350

## PN32 Bronze Globe Valve



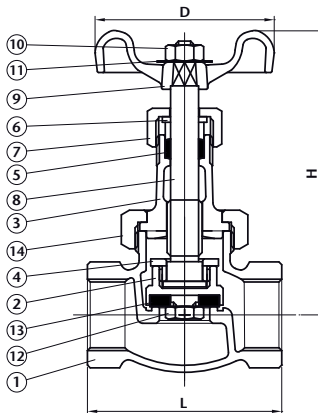
### Features

- Screwed BSP Taper (ISO 7/1)
- Union bonnet
- Rising stem
- PTFE renewable disc
- BS 5154 (BS EN12288)

### Technical data

Max pressure: 32 Bar

Working temp: -10°C to +200°C

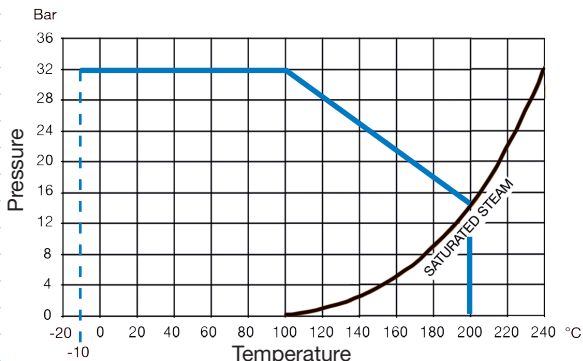


DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L	57.0	67.0	76.5	88.0	102.5	121.5
H	89	101	116	128	142	167
D	62	68	80	90	102	111
Kv	3.0	5.7	10.4	19.0	26.0	43.3
Kgs	0.46	0.66	0.98	1.44	2.16	3.23

### N. Part Name

### Materials

1 Body	Bronze ASTM B62 C83600
2 Disc Holder 1/2" & 3/4"	Brass ASTM B16 C36000
2 Disc Holder 1" - 2"	Bronze ASTM B62 C8600
3 Cap	Bronze ASTM B62 C83600
4 Lock Nut	Brass ASTM B16 C36000
5 Stem Packing	Teflon PTFE
6 Gland	Brass ASTM B16 C36000
7 Packing Nut	Brass ASTM B16 C36000
8 Stem	DZR
9 Handwheel	Cast Iron ASTM A126 Class B
10 Wheel Nut	Steel Zn Plated ASTM A563
11 Nameplate	Aluminium ASTM B29 1100
12 Disc Nut 1/2" & 3/4"	Brass ASTM B16 C36000
12 Disc Nut 1" - 2"	Bronze ASTM B62 C83600
13 Disc Teflon	Glass field with PTFE
14 Union Nut	Bronze ASTM B62 C83600



V1. Dimensions in mm

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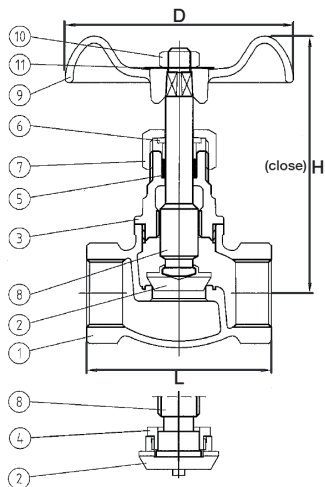
# ART 349

## PN16 Bronze Globe Valve



### Features

- Available in Screwed BSP Taper (ISO 7/1) or NPT (ANSI B1.20.1)
- Screwed bonnet
- Rising stem
- Bronze seat
- MSS-SP-80



### Technical data

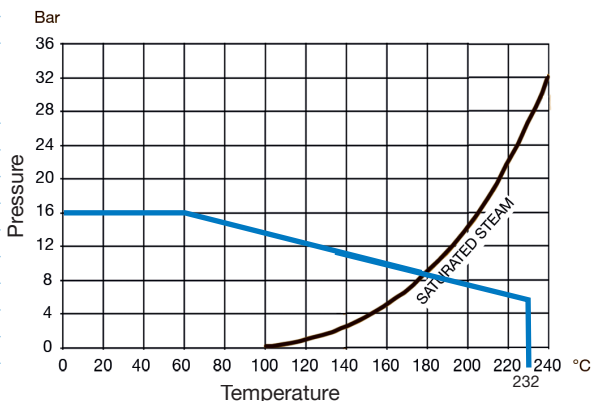
Max pressure: 16 Bar

Working temp: 0°C to +232°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L	49	56	65	75	84	99
H	70	70	87	94	104	124
D	54	57.5	64	74	74	87
Kv	3.3	6.1	9.5	18.2	25.1	43.3
Kgs	0.26	0.35	0.54	0.78	1.05	1.60

### N. Part Name Materials

1 Body	Cast Bronze ASTM B62 C83600
2 Disc	Brass (1/2" - 1") C27450 Cast Bronze (1.1/4" - 2") ASTM B62 C83600
3 Bonnet	Cast Bronze ASTM B62 C83600
4 Lock Nut	Brass C27450
5 Stem Packing	Teflon PTFE
6 Gland	Brass ASTM B16 C36000
7 Packing Nut	Brass ASTM B16 C36000
8 Stem	Brass C27450
9 Handwheel	Cast Iron ASTM A126 CLASS B
10 Wheel Nut	Steel ASTM A563 Zn Plated
11 Nameplate	Aluminium ASTM B209 1100



V1. Dimensions in mm

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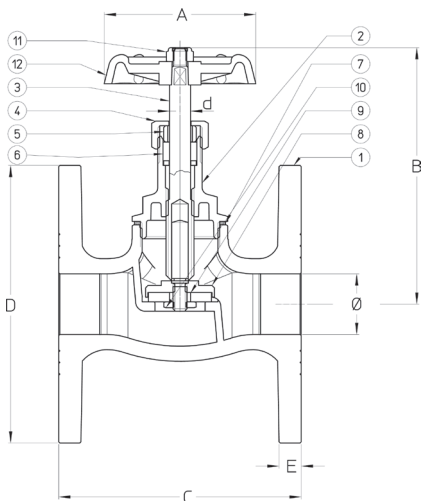
# ART 390

## PN16 Flanged Bronze Globe Valve



### Features

- Flanged PN16 to BS EN1092
- BS 5154 (BS EN12288)



### Technical data

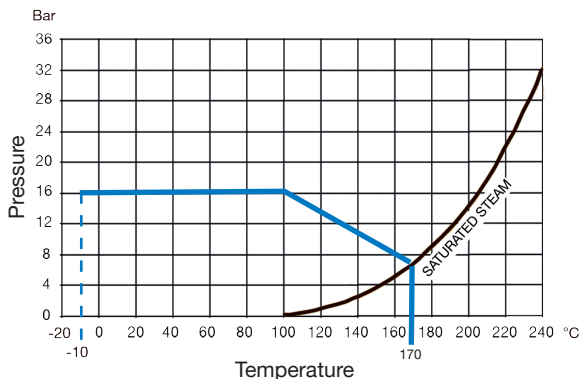
Max pressure: 16 Bar

Working temp: -10°C to +170°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Ø	15	20	25	32	40	50	70	80	100
A	55	55	65	65	80	80	120	120	175
B	98	108	120	130	155	165	210	265	305
C	84	95	105	115	134	156	170	180	200
D	95	105	120	140	150	165	185	200	230
E	8	8	9.5	9.5	11	11	13	13	17
d	8	8	9	9	10	10	16	19	22
Kv	2.3	4.8	7.0	11.0	17.0	25.0	57.0	72.0	120.0
Kgs	1.23	1.71	2.30	3.32	4.63	6.00	6.84	11.80	17.90

### N. Part Name Materials

1	Body	Bronze CC491K
2	Bonnet	Brass CW617N
3	Stem	Brass CW617N
4	Gland Nut	Brass CW617N
5	Gland	Brass CW617N
6	Gland Packing	AF 15/MA
7	Body Packing	NA 1100
8	Disc Holder	Brass CW617N
9	Disc	PTFE
10	Disc Nut	Brass CW617N
11	Nut	Steel
12	Handwheel	Aluminium Alloy



V1. Dimensions in mm

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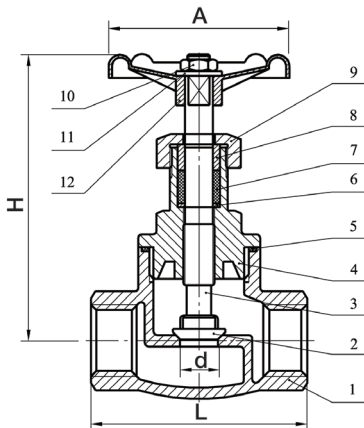
# ART 961

## PN16 Stainless Steel Globe Valve



### Features

- BSP Parallel (ISO 7/1)
- PN16 rated



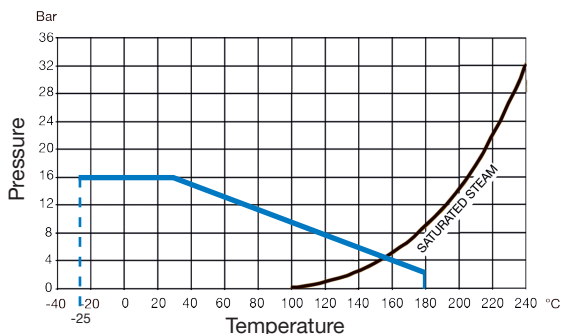
### Technical data

Max pressure: 16 Bar

Working temp: -25°C to +180°C

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
d	10	12	15	20	25	32	40	50
L	55	55	67	75	85	101	115	136
H	79	79	79	91	106	125	136	146
A	65	65	65	77	77	97	97	97
Kv	3.7	4.8	6.7	8.6	17.0	25.0	36.0	54.0
Kgs	0.36	0.35	0.37	0.49	0.66	1.16	1.44	2.16

N.	Part Name	Materials
1	Body	CF8M
2	Disc	Stainless Steel 316
3	Stem	Stainless Steel 316
4	Cap	CF8M
5	Gasket	PTFE
6	Washer	Stainless Steel 304
7	Stem Packing	PTFE
8	Ring	Stainless Steel 304
9	Gland Ring	Stainless Steel 304
10	Wheel Nut	Stainless Steel 304
11	Plate	Stainless Steel 304
12	Handwheel	Aluminium Alloy



V2. Dimensions in mm

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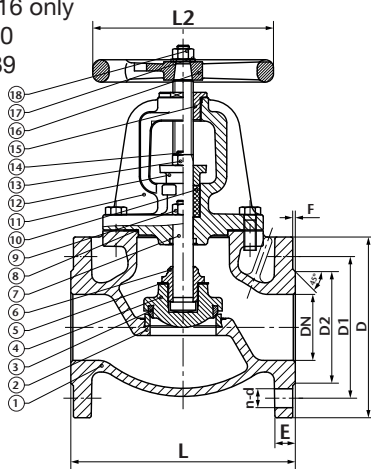
# ART 260

## PN16 Cast Iron Globe Valve



### Features

- Flange mounting PN16 only
- BS EN558-1 series 10
- Conforms to EN13789



### Technical data

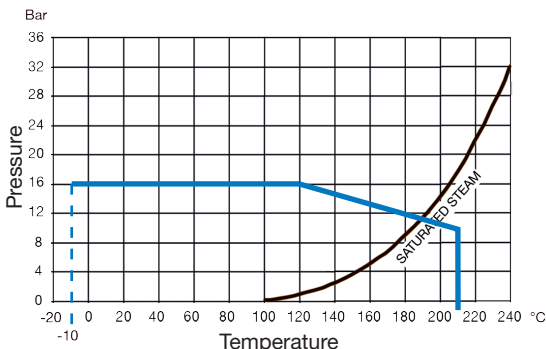
Max pressure: 16 Bar

Working temp: -10°C to +230°C

DN	50	65	80	100	125	150	200	250	300
D	165	185	200	220	250	285	340	405	460
D1	125	145	160	180	210	240	295	355	410
D2	99	118	132	156	184	211	266	319	370
E	20	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8
F	3	3	3	3	3	3	3	3	4
L	203	216	241	292	330	356	495	622	698
L2	178	178	200	254	300	300	348	400	457
n-d	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28	12-28
Kgs	15.6	21.5	30.9	46.8	68.4	92.6	157	219	302

### N. Part Name Materials

1	Body	Cast Iron EN1561 EN-GJL-250
2	Body Ring	Cast Bronze BS1400 LG2
3	Disc Ring	Cast Bronze BS1400 LG2
4	Disc	Cast Iron EN1561 EN-GJL-250
5	Stop Washer	Stainless Steel BS970 304S15
6	Nut	Cast Brass BS1400 PCB1
7	Stem	Stainless Steel BS970 420S37
8	Flange Gasket	Graphite
9	Bolt	Cast Iron BS970 43A
10	Packing	Graphite
11	Bonnet	Cast Iron EN1561 EN-GJL-250
12	Gland Follower	Ductile Iron EN1563 EN-GJS-450-10
13	Nut	Steel BS970 43A
14	Bolt	Steel BS970 43A
15	Stem Nut	Cast Brass BS1400 AB1
16	Handwheel	Cast Iron EN1561 EN-GJL-250
17	Washer	Steel BS970 43A
18	Nut	Steel BS970 43A



V1. Dimensions in mm

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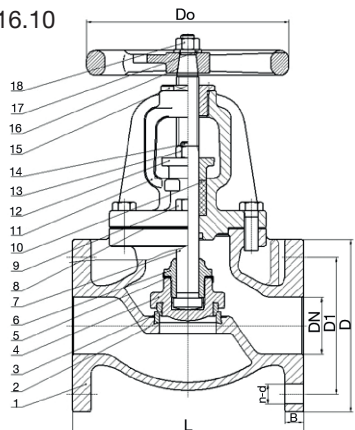
# ART 261 ANSI

## ANSI 125 Cast Iron Globe Valve



### Features

- Flanged ANSI 125 (B16.1)
- Class 125 rated
- OSY rising stem
- Conforms to ASME B16.10 & MSS SP-85



### Technical data

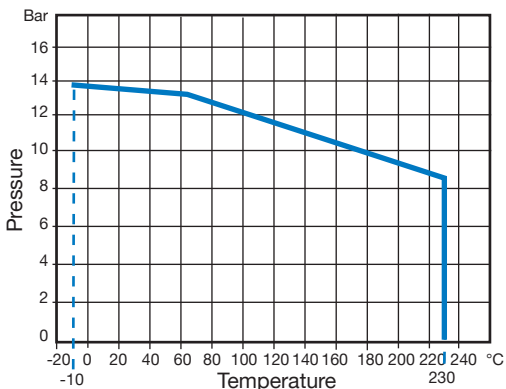
Max pressure: 13.8 Bar

Working temp: -10°C to +230°C

DN	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
L	203	216	241	292	330	356	495	622	698.5
D	152	178	190	229	254	279	343	406	483
D1	120.5	139.5	152.5	190.5	216	241.5	298.5	362	432
B	15.9	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8
n-d	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25
Do	178	178	200	254	300	300	348	400	457
Kgs	15.6	21.5	30.9	46.8	68.4	92.6	157	219	302

### N. Part Name Materials

1	Body	Cast Iron ASTM A 126-B
2	Body Ring	Cast Bronze ASTM B 62
3	Disc Ring	Cast Bronze ASTM B 62
4	Disc	Cast Iron ASTM A 126-B
5	Washer	Stainless Steel ASTM 304
6	Disc Nut	Cast Brass Mn-Brass
7	Stem	Brass ASTM B 16
8	Gasket	Graphite Non-Asbestos
9	Bolt	Steel ASTM A 307-B
10	Packing	Graphite Non-Asbestos
11	Bonnet	Cast Iron ASTM A 126-B
12	Packing Gland	Ductile Iron ASTM A536 65-45-12
13	Nut	Steel
14	Bolt	Steel
15	Stem Nut	Cast Brass Mn-Brass
16	Handwheel	Cast Iron ASTM A 126-B
17	Washer	Steel
18	Nut	Steel ASTM A 563-B



V1. Dimensions in mm

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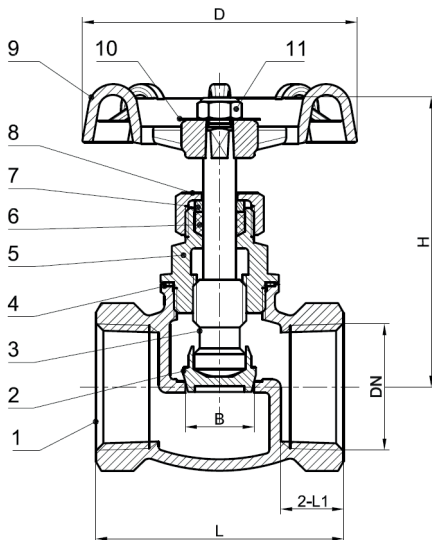
# ART 348

## PN20 Bronze Globe Valve



### Features

- Screwed BSP Taper (ISO 7/1) or NPT (ANSI B1.20.1)
- EN12288 / MSS-SP-80



### Technical data

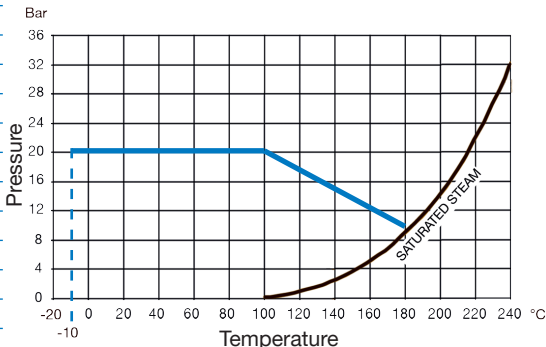
Max pressure: 20 Bar

Working temp: -10°C to +180°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
B	10	13	18	23	30	38
L1	13.5	14.5	16.5	17.5	17.5	22.5
L	50	56	65	74	80	100
D	60	60	72	72	78	99
H	62.5 - 69.5	69.5 - 77	76.7 - 85	88.6 - 99	98 - 109	114.6 - 131
Kv	2.3	3.4	6.0	9.5	15.5	27.7
Kgs	0.27	0.33	0.55	0.78	1.00	1.67

### N. Part Name Materials

1	Body	Bronze - C83600 ASTM B62
2	Disc	Bronze - CW617N ASTM C38000
3	Stem	Bronze - CW617N ASTM C38000
4	Seal Ring	PTFE
5	Bonnet	Bronze - C83600 ASTM B62
6	Packing	PTFE
7	Gasket	Brass - HPb59-2 RA C35300 ASTM B36
8	Packing Gland	Brass - HPb59-2 RA C35300 ASTM B36
9	Handwheel	Cast Iron - HT200 ASTM A48
10	Nameplate	Aluminium
11	Nut	Stainless Steel 304 - ASTM A240



V1. Dimensions in mm

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