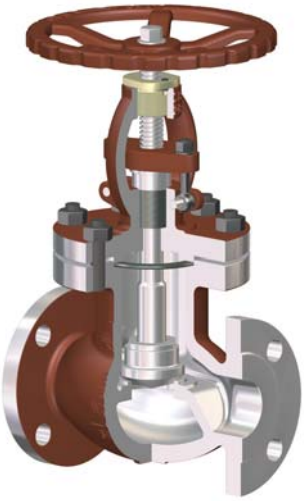
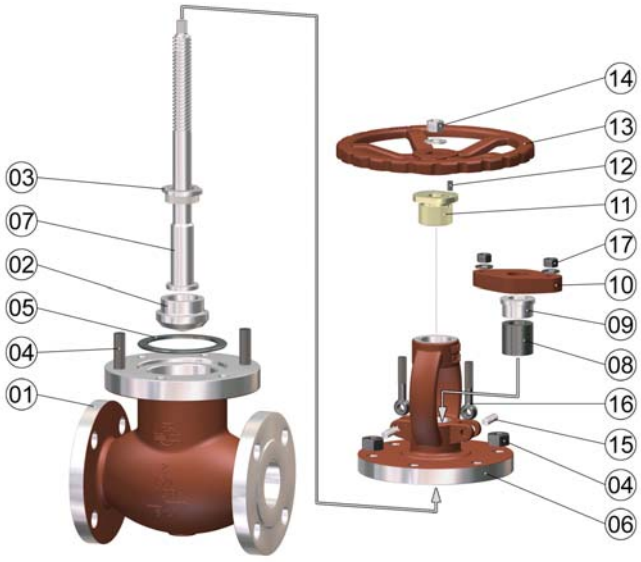
CLASS 150# - 900# GLOBE VALVES

DIAVAL Series 800B Globe Valves are conventional bolted bonnet and Outside Screw and Yoke style with metal sealing surfaces. Globe valves are uni-directional valves and of safe operation being widely used in power, chemical and oil industry. The flow comes upwards underneath the valve seat. Its top entry to the trim permits easier servicing of the internal parts by disassembling the bonnet flange. Stem packing is made of flexible graphite and gasket cover flange of stainless steel with graphite fibre.
Valves are standard operated by an ergonomic hand wheel, however can optionally incorporate worm gears, pneumatic, electric, hydraulic and hydro-pneumatic actuators.

Series 800 B

** Please observe Operating and Maintenance Rules as well as all essential safety requirements and labour health care guidance before valve installation and plant start up. More detailed information not found in these data sheets can be provided by our Product*





PARTS & MATERIALS

Part Nº	Parts name	WCB/Trim1	WCB/Trim 5	WCB/Trim 8	CF8/304	CF8M/316
1	Body		ASTM A216 WCB		ASTM A351 CF8	ASTM A351 CF8M
2	Disc	ASTM A216 WCB+13Cr	ASTM A216 WCB+STL	ASTM A216 WCB+13Cr	ASTM A351 CF8	ASTM A351 CF8M
3	Disc nut		ASTM A 216 WCB		ASTM A351 CF8	ASTM A351 CF8M
4	Bonnet nut		ASTM A 194 2H		ASTM A194 8	ASTM A194 8M
4	Bonnet bolt		ASTM A 193 B7		ASTM A 193 B8	ASTM A 193 B8M
5	Gasket		304 sheet + Graphite		304 + Graphite	316 + Graphite
6	Bonnet		ASTM A 216 WCB		ASTM A351 CF8	ASTM A351 CF8M
7	Stem		ASTM A 182 F6a		ASTM A182 F304	ASTM A182 F316
8	Packing		Graphite		Graphite	Graphite
9	Gland		ASTM A 182 F6a		ASTM A182 F304	ASTM A182 F316
10	Gland flange		ASTM A 216 WCB		ASTM A351 CF8	ASTM A351 CF8M
11	Stem nut		ASTM A439 D2		ASTM A439 D2	ASTM A439 D2
12	Stopper		Carbon Steel		Carbon Steel	Carbon Steel
13	Hand wheel		Ductil Iron		Ductil Iron	Ductil Iron
14	Hand wheel nut		Carbon Steel		Carbon Steel	Carbon Steel
15	Eyebolt pin		ASTM A36		304ss	316ss
16	Gland eyebolt		ASTM A 193 B7		ASTM A 193 B8	ASTM A 193 B8M
17	Eyebolt nut		ASTM A194 2H		ASTM A194 8	ASTM A194 8M

The tabulated materials mean the standard manufacturing range.
Other materials options may be provided on request.

Class 150 Globe Valves

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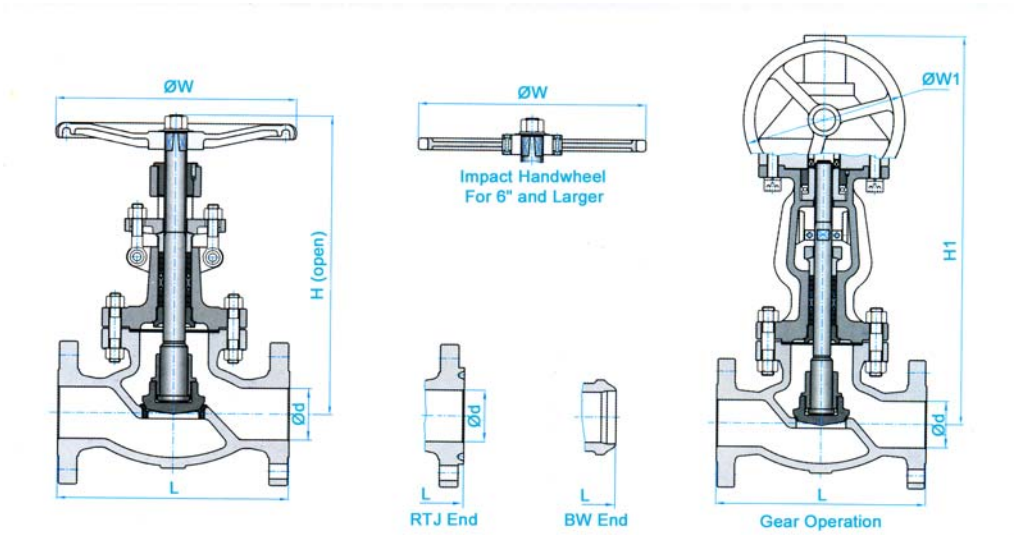


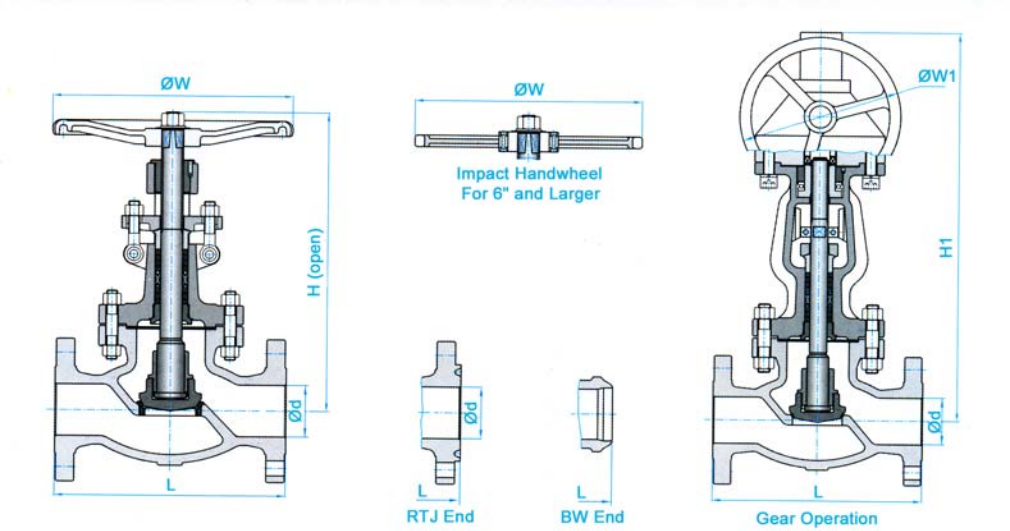
DIMENSIONAL DATA

Size		Dimensions (mm)								Approx.weight (Kg)	
			L		d	H	H1	W	W1		
NPS	DN	RF	RTJ	BW						H.W	G.O
½	15	108	119	108	13	182	-	100	-	4	-
¾	20	117	130	117	19	193	-	100	-	6	-
1	25	127	140	127	25	217	-	100	-	8	-
1.1/4	32	140	152	140	32	235	-	135	-	12	-
1.1/2	40	165	178	165	38	258	-	135	-	16	-
2	50	203	216	203	51	330	-	200	-	25	-
2.1/2	65	216	229	216	64	360	-	250	-	42	-
3	80	241	254	241	76	390	-	280	-	46	-
4	100	292	305	292	102	445	-	300	-	74	-
5	125	356	369	356	127	480	-	350	-	111	-
6	150	406	419	406	152	520	556	350	310	165	258
8	200	495	508	495	203	600	658	400	310	275	300
10	250	622	635	622	254	773	805	450	460	400	450
12	300	698	711	698	305	880	955	500	460	624	725

Valves are provided with a backseat design .Valve seat is renewable for valves up to 10". Welded on seat is provided with valves 12" and above. Stainless Steel valves incorporate an integral seat as standard although renewable or welded on seat designs could be provided as an option.
Tabulated dimensions might differ. Arrangement Drawings available on request.

- Design and Manufacture:
BS 1873 – ASME B.16.34
***-Inspection and Test criteria** conforms to API 598*
*-**End flange dimension**: ASME B16.5*
*-**BW end dimension**: ASME B16.25. /// **SW end dimension**: ASME B16.11.*
*-**Face to Face length**: ASME B16.10.*
***Pressure – temperature ratings** conforms to ASME B16.34.*
QA: ISO 9001:2000

Class 300 Globe Valves



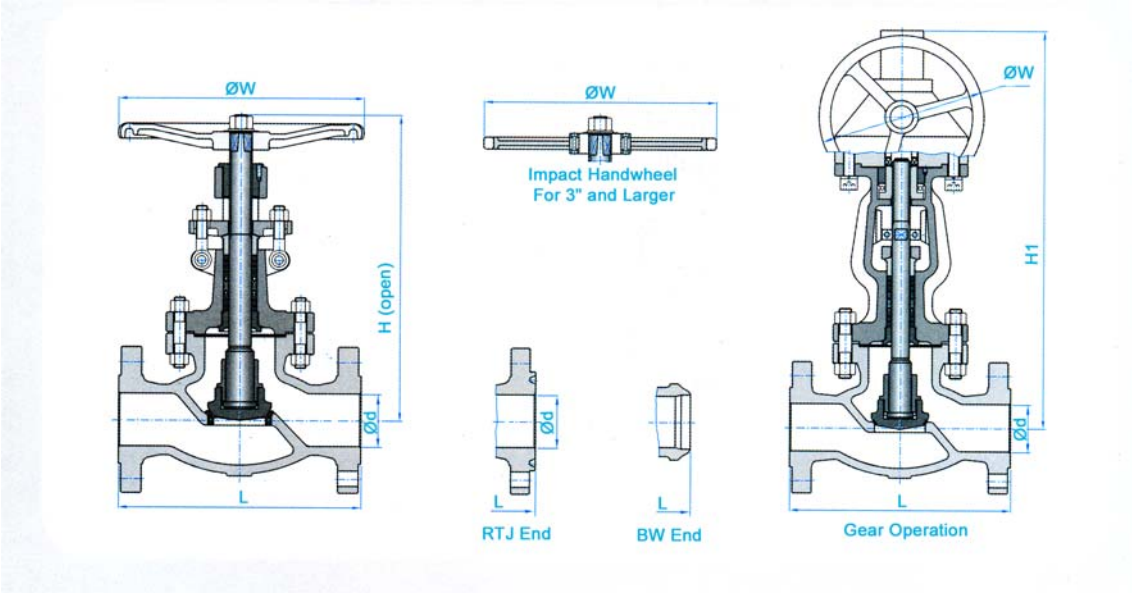
DIMENSIONAL DATA

Size		Dimensions (mm)								Approx.weight (Kg)	
			L		d	H	H1	W	W1		
NPS	DN	RF	RTJ	BW						H.W	G.O
½	15	152	164	152	14	185	-	100	-	5	-
¾	20	178	191	178	19	195	-	100	-	7	-
1	25	203	216	203	25	220	-	135	-	10	-
1.1/4	32	216	229	216	32	240	-	135	-	14	-
1.1/2	40	229	241	229	38	260	-	160	-	19	-
2	50	267	283	267	51	385	-	200	-	25	-
2.1/2	65	292	308	292	64	420	-	200	-	42	-
3	80	318	333	318	76	440	-	280	-	46	-
4	100	356	371	356	102	515	-	350	-	74	-
5	125	400	416	400	127	580	-	350	-	111	-
6	150	444	460	444	152	660	690	400	310	165	195
8	200	559	575	559	203	900	950	550	460	275	327
10	250	622	638	622	254	950	990	600	460	400	452
12	300	711	727	711	305	1030	1080	700	460	624	725

Valves are provided with a backseat design .Valve seat is renewable for valves up to 10". Welded on seat is provided with valves 12" and above. Stainless Steel valves incorporate an integral seat as standard although renewable or welded on seat designs could be provided as an option.
Arrangement Drawings available on request.

- Design and Manufacture:
BS 1873 – ASME B.16.34
-Inspection and Test criteria *conforms to API 598*
-End flange dimension*: ASME B16.5*
-BW end dimension*: ASME B16.25. /// **SW end dimension**: ASME B16.11.*
-Face to Face length*: ASME B16.10.*
Pressure – temperature ratings *conforms to ASME B16.34.*
QA: ISO 9001:2000

Class 600 & 900 Globe Valves



DIMENSIONAL DATA

Size			Dimensions (mm) Class 600							Approx.weight (Kg)	
			L		d	H	H1	W	W1		
NPS	DN	RF	RTJ	BW						H.W	G.O
2	50	292	295	292	51	360	-	250	-	32	-
2.1/2	65	330	333	330	64	410	-	280	-	42	-
3	80	356	359	356	76	465	-	300	-	63	-
4	100	432	435	432	102	545	575	400	310	107	138
5	125	508	511	508	127	625	660	500	310	185	215
6	150	559	562	559	152	785	820	550	460	290	342
8	200	660	664	660	200	930	960	650	460	540	645

Size			Dimensions (mm) Class 900							Approx.weight (Kg)	
			L		d	H	H1	W	W1		
NPS	DN	RF	RTJ	BW						H.W	G.O
2	50	368	371	368	51	480	-	350	-	55	-
2.1/2	65	419	422	419	64	520	-	350	-	68	-
3	80	381	384	381	76	564	630	400	310	95	128
4	100	457	460	457	102	685	720	450	310	160	210
5	125	559	562	559	127	780	840	550	460	270	325
6	150	610	613	610	152	950	1015	650	460	410	480

Valves are provided with a backseat design .Valve seat is renewable for valves up to 10". Welded on seat is provided with valves 12" and above. Stainless Steel valves incorporate an integral seat as standard although renewable or welded on seat designs could be provided as an option.
Arrangement Drawings available on request.

Design and Manufacture:
BS 1873 – ASME B.16.34
*-**Inspection and Test criteria** conforms to API 598*
*-**End flange dimension**: ASME B16.5*
*-**BW end dimension**: ASME B16.25. /// **SW end dimension**: ASME B16.11.*
*-**Face to Face length**: ASME B16.10.*
***Pressure – temperature ratings** conforms to ASME B16.34.*
QA: ISO 9001:2000