

TECHNICAL SPECIFICATIONS

1. The valve is designed in accordance with API 6D.
2. The inspection and test of the valve shall be in accordance with API 6D.
3. The marking of the valve shall be in accordance with MSS SP-25.
4. The material shall be in accordance with NACE MR-01-75.

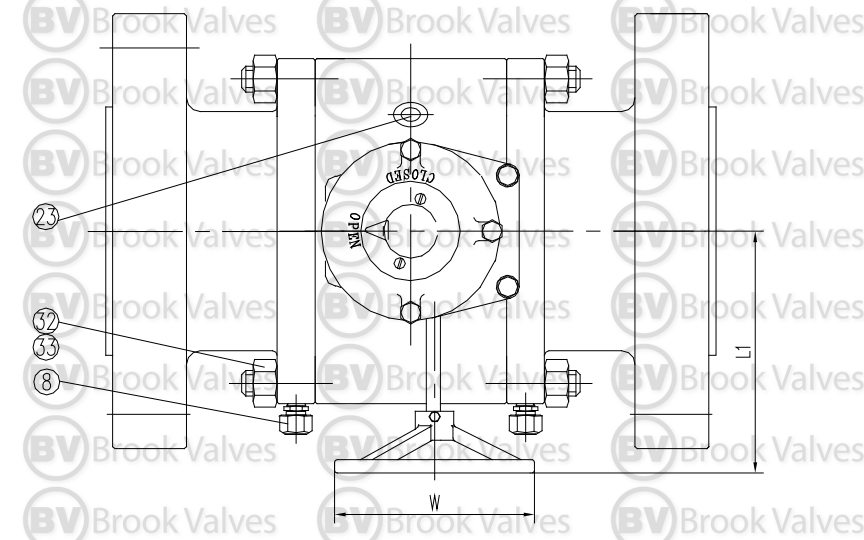
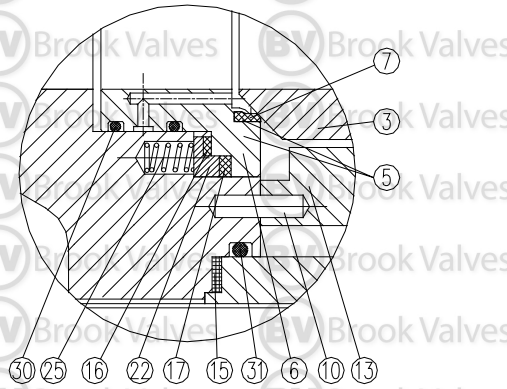
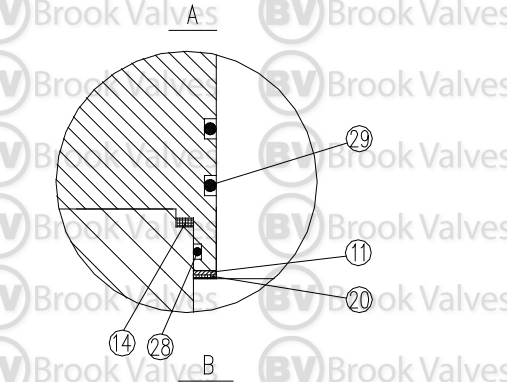
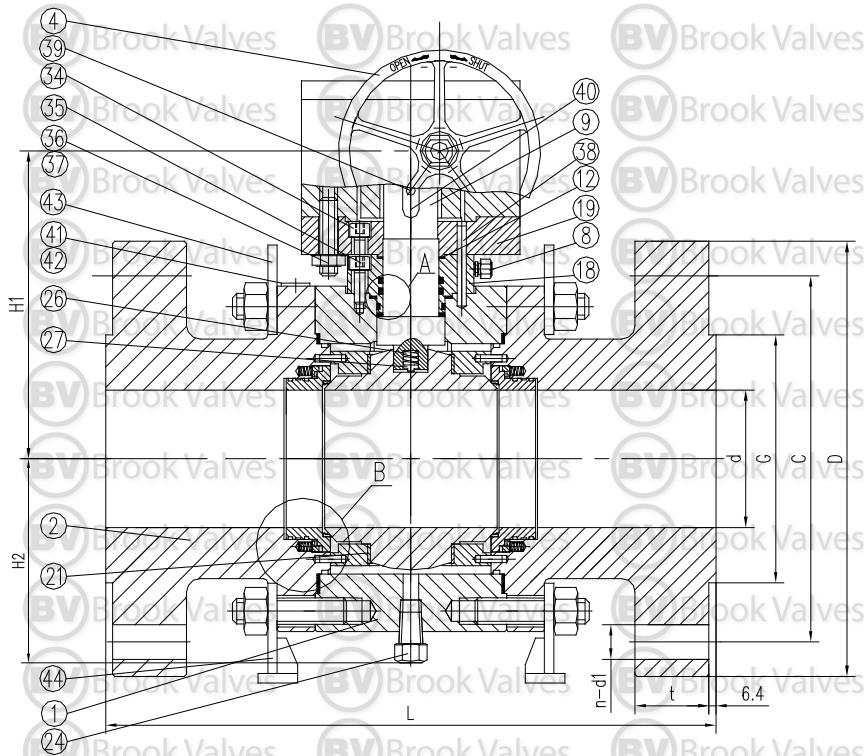
42	VENT VALVE	1	STAINLESS STEEL
41	INJECTOR	3	STAINLESS STEEL
40	NAME PLATE	1	STAINLESS STEEL
39	RIVET	2	STAINLESS STEEL
38	GEAR	1	
37	PIN	1	CARBON STEEL
36	STEM KEY	1	CARBON STEEL
35	PIN		CARBON STEEL
34	NUT		CARBON STEEL
33	STUD		CARBON STEEL
32	BOLT		ASTM A193-B7M
31	SCREW		ASTM A193-B7M
30	SCREW		ASTM A193-B7M
29	NUT		ASTM A194-2HM
28	STUD		ASTM A193-B7M
27	DRAIN	1	STAINLESS STEEL
26	O RING	3	HSN
25	O RING	2	HSN
24	O RING	2	HSN
23	O RING	4	HSN
22	GROUNDING PLUNGER	1	STAINLESS STEEL
21	SEAT SPRING		INCONEL X-750
20	ANTISTATIC SPRING	1	STAINLESS STEEL
19	SEAT FOLLOWER	2	ASTM A182 F316
18	STEM BEARING	1	METAL BACKED PTFE
17	TRUNNION BEARING	1	METAL BACKED PTFE
16	THRUST WASHER	1	PTFE
15	GLAND FLANGE	1	ASTM A105
14	TOP FLANGE	1	ASTM A105
13	SEAT FIRESAFE PACKING	2	FLEXIBLE GRAPHITE
12	STEM FIRESAFE PACKING	1	FLEXIBLE GRAPHITE
11	SPACER	2	PTFE
10	GASKET	1	316+GRAPHITE
9	BODY GASKET	2	316+GRAPHITE
8	TRUNNION	1	ASTM A105/ENP
7	STEM	1	ASTM A182 F316
6	SEAT RETAINER	2	ASTM A182 F316
5	SEAT INSERT	2	NYLON
4	SEAT ASSEMBLY	2	ASSEMBLED BY 5&6
3	BALL	1	ASTM A182 F316
2	BONNET	2	ASTM A105
1	BODY	1	ASTM A105
No.	PART NAME	Qty	MATERIAL

DN	d	G	C	D	n-d1	t	L	H1	H2	L1	W	WEIGHT(Kg)	TORQUE(N.m)
4"	102	157	235	292	8-32	44.5	457	332	180	335	400	160	790

REV A	
DATE	FEB 2006
SCALE	TO FIT

BROOK VALVES
2"-3" TBL900G

A105 FIRESAFE BALL VALVE CLASS 600 RF GEAR OP



DN	d	G	C	D	n-d1	t	L	H1	H2	L1	W	Weight(Kg)	Torque(N.M)
6"	152	216	317.5	381	12-32	55.7	610	320	187	335	600	380	1200
8"	203	270	393.5	470	12-38	63.5	737	365	226	335	600	550	3500

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44	SUPPORT LEGS	2	CARBON STEEL
43	LIFTING LUGS	2	CARBON STEEL
42	NAME PLATE	1	STAINLESS STEEL
41	RIVET	2	STAINLESS STEEL
40	STEM KEY	1	CARBON STEEL
39	PIN	1	CARBON STEEL
38	PIN	2	CARBON STEEL
37	NUT	1	CARBON STEEL
36	STUD	2	CARBON STEEL
35	SCREW	2	ASTM A193-B7M
34	SCREW	2	ASTM A193-B7M
33	NUT	2	ASTM A194-2HM
32	STUD	2	ASTM A193-B7M
31	O RING	2	HSN
30	O RING	4	HSN
29	O RING	2	HSN
28	O RING	1	HSN
27	GROUNDING PLUNGER	1	STAINLESS STEEL
26	ANTISTATIC SPRING	1	STAINLESS STEEL
25	SEAT SPRING	1	INCONEL X-750
24	DRAIN	1	STAINLESS STEEL
23	VENT VALVE	1	STAINLESS STEEL
22	SEAT FOLLOWER	2	ASTM A182 F316
21	BEARING	2	METAL BACKED PTFE
20	THRUST WASHER	1	PTFE
19	TOP FLANGE	1	ASTM A105
18	GLAND FLANGE	1	ASTM A105
17	SEAT FIRESAFE PACKING	2	FLEXIBLE GRAPHITE
16	SPACER	2	PTFE
15	BODY GASKET	2	316+GRAPHITE
14	GLAND GASKET	1	316+GRAPHITE
13	TRUNNION SUPPORT	2	ASTM A105/ENP
12	STEM FIRESAFE PACKING	1	FLEXIBLE GRAPHITE
11	WASHER	1	STAINLESS STEEL
10	TRUNNION ALIGNMENT PIN	4	STAINLESS STEEL
9	STEM	1	ASTM A182 F316
8	INJECTION	3	STAINLESS STEEL
7	SEAT INSERT	2	NYLON
6	SEAT RETAINER	2	ASTM A182 F316
5	SEAT ASSEMBLY	2	ASSEMBLED BY 6&7
4	GEAR	1	
3	BALL	1	ASTM A182 F316
2	BONNET	2	ASTM A105
1	BODY	1	ASTM A105
No.	PART NAME	Qty	MATERIAL

REV A	
DATE	FEB 2006
SCALE	TO FIT

BROOK VALVES
6"- 8" TBL900G

A105 FIRESAFE BALL VALVE CLASS 900 RF GEAR OP