

Advance Valves Triple Eccentric High Performance Butterfly Valves

Series BT - BP





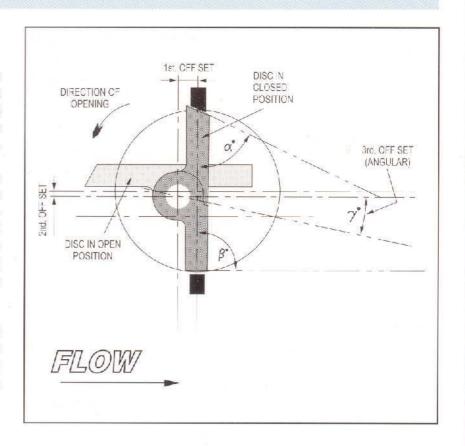
ADVANCE VALVES
PRIVATE LIMITED

THE TRIPLE OFF-SET DESIGN PRINCIPLE

Advance Gunric Metal Seating High Pressure butterfly valves provide a bi-directional bubble tight shut off. This is achieved by introducing state-of-the art triple eccentric disc geometry.

The valve shaft is off-set against the seal, (1st off-set), and against the centre line of the valve (2nd off-set). The seating edges are machined with a continuously changing slope from an angle α on top of the oval seat ring to an angle β at the opposite side (3rd off-set angular).

This geometry ensures that the seat ring stays clear of the seat except at the final shut-off position, resulting in long seat life and operating cycles in excess of 500 000.

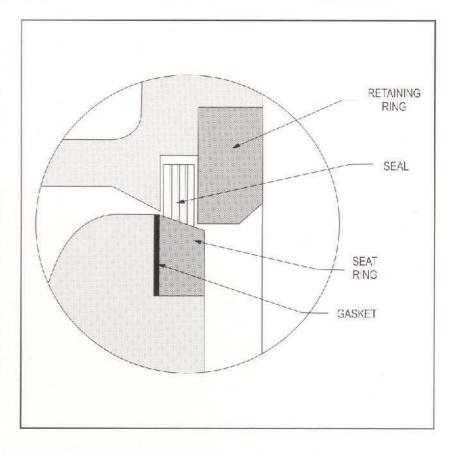


THE VALVE SEAL AND SEAT COMBINATION

The valve seal is manufactured from laminated stainless steel with PTFE or grapoil laminate depending on the applications. The seal is held in position by a bolt-on retaining ring and, together with the stainless seat ring, is easily replaceable.

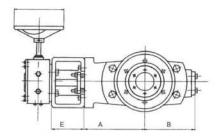
A gasket prevents leakage around the seal ring. The metal seating valve can operate within a temperature of -249° to +600°C. Valve designs for cryogenic applications are available on request.

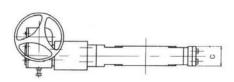
For low temperature applications, the metal seal can be substituted by a PTFE seat. Advance Gunric High Pressure butterfly valves are manufactured in a wide range of materials to suit most applications.



Advance Gunric metal seating valves are certified fire safe in accordance with BS6755: Part 2: 1987, and AP1607, AP16FA. The range has been tested and certified in accordance with API Standards 598.

WAFER - FLANGLESS TYPE

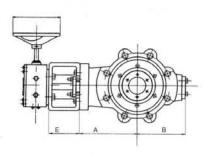


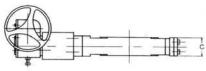


SIZE (mm)	SIZE (inches)	DIMENSIONS (mm)						
		A	В	C	E	Weight (kg)		
80	3	135	118	48	70	22		
100	4	165	143	54	90	27		
150	6	235	205	57	100	35		
200	8	245	218	64	120	46		
250	10	305	273	7.1	120	74		
300	12	310	280	81	120	101		
350	14	335	313	92	120	139		
400	16	370	349	102	120	159		
450	18	400	368	114	120	221		
500	20	440	403	127	150	274		
600	24	500	480	267	150	400		

	SIZE 3	- 24	"CLA	SS 30	0 Lb.					
SIZE (mm)	SIZE	DIMENSIONS (mm)								
	(inches)	A	В	C	E	Weight (kg)				
80	3	145	128	48	70	25				
100	4	175	158	54	90	29				
150	6	235	205	59	100	45				
200	8	275	238	64	120	71				
250	10	305	273	83	120	116				
300	12	345	310	92	120	114				
350	.14	395	348	117	120	199				
400	16	425	383	133	120	254				
450	18	460	408	160	130	317				
500	20	500	443	159	150	391				
600	24	550	523	181	150	640				

LUG TYPE

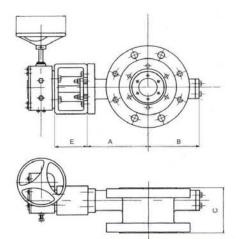




	SIZE 3	- 24	" CLA	SS 15	O Lb.			
SIZE (mm)	SIZE (inches)	DIMENSIONS (mm)						
		A	В	C	E	Weight (kg		
80	3	135	118	48	70	26		
100	4	165	143	54	90	29		
150	6	215	185	57	100	39		
200	8	245	218	64	120	49		
250	10	270	245	71	120	81		
300	12	310	280	81	120	111		
350	14	335	313	92	120	154		
400	16	370	349	102	120	187		
450	18	400	368	114	120	247		
500	20	440	403	127	150	317		
600	24	500	483	154	150	470		

SIZE	SIZE	DIMENSIONS (mm)						
(mm)	(inches)	A	В	C	E	Weight (kg		
80	3	145	128	48	70	28		
100	4	175	158	54	90	32		
150	6	235	205	59	100	53		
200	8	275	238	64	120	83		
250	10	305	273	83	120	134		
300	12	345	310	92	120	179		
350	14	395	348	117	120	273		
400	16	425	383	133	120	332		
450	18	460	408	149	130	461		
500	20	500	443	159	150	577		
600	24	550	523	181	150	623		

FLANGED TYPE



SIZE	SIZE (inches)	DIMENSIONS (mm)							
(mm)		A	В	C	E	Weight (kg			
80	3	135	120	114	70	28			
100	4	165	145	127	100	31			
150	- 6	215	190	140	100	42			
200	8	245	218	152	120	53			
250	10	270	250	178	120	99			
300	12	310	285	178	120	114			
350	14	335	315	190	120	165			
400	16	370	350	216	120	198			
450	18	400	370	222	120	249			
500	20	440	405	229	150	311			
600	24	500	480	267	200	469			
650	26	585	515	292	150	730			
700	28	615	545	292	150	1000			
750	30	645	575	318	200	1210			
800	32	680	615	318	200	1450			
850	34	705	635	330	200	1600			
900	36	735	665	330	200	2000			
950	38	770	700	410	200	2250			
1000	40	795	725	410	200	2500			
1050	42	825	755	410	200	2650			
1100	44	850	780	470	200	2830			
1150	46	880	810	470	200	2940			
1200	48	950	880	470	200	3100			

	SIZE 3	" - 60"	CLAS	SS 300	Lb.				
SIZE	SIZE	DIMENSIONS (mm)							
(mm)	(inches)	A	В	C	E	Weight (kg			
80	3	145	125	114	70	30			
100	4	175	155	127	100	34			
150	6	235	205	140	100	62			
200	8	275	240	152	120	105			
250	10	305	275	165	120	149			
300	12	345	620	178	120	204			
350	14	395	345	190	120	284			
400	16	425	373	216	120	359			
450	18	460	405	222	130	481			
500	20	500	437	229	150	670			
600	24	560	530	267	150	899			
650	26	640	570	292	150				
700	28	670	600	292	150				
750	30	695	625	318	200				
800	32	725	655	318	200				
850	34	755	685	330	200				
900	36	785	715	330	200	1 3			
950	38	735	665	410	200				
1000	40	770	700	410	200				
1050	42	795	725	410	200				
1100	44	840	760	470	200				
1150	46	860	790	470	200				
1200	48	885	815	470	200				
1400	56	1005	935	530	200				
1500	60	404E	075	800	200				

Size of valves up to 80"and pressure up to class 900 on application

ADVANCE VALVES

PRIVATE LIMITED

GUNRIC has, over a period of years, established a reputation for manufacturing high technology valves. Their range of triple and double offset butterfly valves are manufactured in sizes from 80 mm to 2500 mm and pressure from 10 Bar (class 125) to 160 Bar (Class 900).

Advance Gunric Valves is a joint venture company between Advance Valves Group, India and Gunric Valves, S.A. The company is based in India and acting as global sourcing centre for butterfly valves.

The Gunric range of valves are in use at many of the Water Boards, Water Authorities, Municipalities, Mines, Petroleum and Process plants, and Steel refineries in South Africa, as well as Europe and the Far East.

The Valves are available in wafer, lugged and double flanged configurations. A wide variety of drilling can be accomodated as well as most European, American and Asian Specifications.

Our Commitment to Quality

At Advance Gunric we recognise that constant high quality is essential to meet todays ardous service requirements in the valve industry.

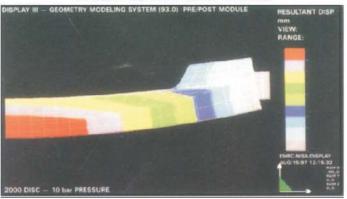
Gunric operates a quality system according to ISO 9001 & according to European Pressure Equipment directive 97/23/EC, Module H to use CE 0035 monogram accredited by TUV Rhelnland.

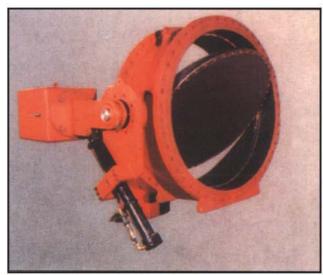
We believe that on going research and development is important and constantly strive to improve the technology and quality of valves.

As part of our design procedure finite element stress analysis is carried out to ensure material suitability and strength. All valves are tested to the appropriate specification prior to despatch.



Deflection of a DN 2000 PN10 Disc





200 mm Autoclosing Valve



Hydrostatic Valve Test



Represented by:

Gunric Valve being installed in Thalland

Manufactured & Marketed by :

ADVANCE GUNRIC

INDIA • USA • UK • UAE • SINGAPORE • SOUTH AFRICA • QATAR

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