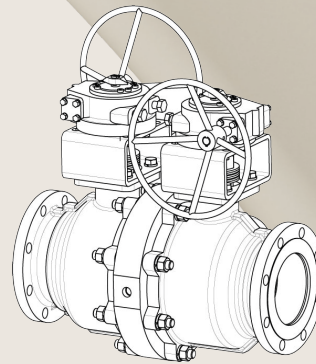




Breakthrough
engineering for
a better world

AN Series 6 Sizes 1/2" to 6"



Process Automation

Our product brands:
IMI PBM

Industrial ANSI API-607 Fire Tested Qualified Double Block & Bleed Valves Class 150 & 300

pbmvalve.com

Design Features

- Rated for full vacuum
- Blowout proof stem
- Non Adjust-O-Seal and include internal/external grounding
- AN Series ANSI Valves have an O-Ring Body Seal
- Three piece design with flanges per ANSI B16.5 and includes a spool piece with bleed/gauge port between two valve bodies
- Standard Live Loaded Stem Packing
- Upstream/downstream bubble-tight sealing capability allows valve body cleaning, purging and draining
- Bleed or Gauge Ports available
- API 641 option available (consult factory)
- Encapsulated ID seat design (useable for some steam applications)
- ADI free
- Stem assembly accommodates IMI PBM Direct Mount Actuation for accurate alignment and increased cycling life
- Actuators mounted perpendicular to flow unless they are opposing each other by 180°
- Self-Flushing Ball Option available
- 100% tested per ASME/ANSI B16.34
- Designed, assembled and tested at our factory in the USA
- V-Tef™ and S-Tef® seats are FDA Compliant and USP Class VI, valves also have graphite seals
- Material Test Reports (MTRS) can be provided for wetted metal components

SPECIFICATIONS

AN SERIES 6 INDUSTRIAL DBB BALL VALVES

Sizes	1/2" - 6" Series 6
Material	316 Stainless Steel, Hastelloy® C-276, Carbon Steel, others
Temperatures	-20°F to 450°F depending on seat and seal material
End Connections	Class 150 and 300 RF Flange
Seats, Seals & Stem Packings	V-Tef™, S-Tef®, C-Tef™ others available
O-Rings	O-Ring Seal (FKM V1274-75/80, EPDM E3609-70, others available)
Body Bolts & Nuts	B16.34 bolting
Maximum Working Pressure	In accordance with B16.34

CV Values (gpm)

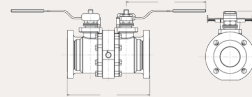
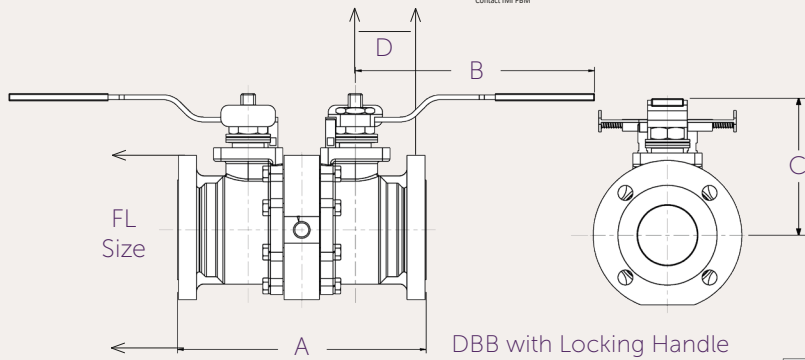
Size	Cv (gpm)	Weight 150# Class	Weight 300# Class
1/2"	13	3.55 lbs	4.8 lbs
3/4"	52	6.8 lbs	7.3 lbs
1"	80	8 lbs	11 lbs
1 1/2"	190	16 lbs	23 lbs
2"	400	25 lbs	30 lbs
3"	1,100	50 lbs	71 lbs
4"	2,400	96 lbs	130 lbs
6"	5,600	242 lbs*	CF



How To Order:

pbmvalve.com/build-a-part-number

PRODUCT (1-2) MATERIAL (3-4)			TYPE / CLASS (5) SERIES (6)		1ST END CONNECTION TYPE (HP / UPSTREAM) (7)		2ND END CONNECTION TYPE (LP/DOWNSTREAM) (8)		SEAT / SEAL (9)	1ST END CONNECTION SIZE (HP / UPSTREAM) (10)	2ND END CONNECTION SIZE (LP/DOWNSTREAM) (11)	BLEED PORT OPTIONS (12)		OPERATOR (13-14)		POLISH OPTIONS (15-16)									
AN	H	Cast 316/ 316L S / S	K	Double Block 150# Class	6	L	RF Flange	L	RF Flange	G	V-TEF™ Seats / Graphite Seals FKM O-Ring	1	1/2" Full Port	1	1/2" Full Port	A	(1) 1/4" FNPT Bleed Port 90° from Stem	--	W/ Standard Lever Handle	-	125 Ra ID Standard				
	E	Carbon Steel 150# Class Only	L	Double Block 300# Class						J	V-TEF™ Seats / Graphite Seals VTFE Cav Fill / FKM O-Ring	E	3/4" Full Port	E	3/4" Full Port	B	(1) 1/4" FNPT Bleed Port 180° from Stem	02	W/O Handle W/ Stem Actuator Prep	A	20 Ra ID				
	C	Hastelloy C-276							Z	V-TEF™ Seats / Graphite Seals EPR O-Ring	4	1" Full Port	4	1" Full Port	C	(1) 3/8" FNPT Bleed Port 90° from Stem	04	Locking Lever Handle	C	20 Ra ID / 32 Ra OD					
												G	1-1/2" Full Port	G	1-1/2" Full Port	D	(1) 3/8" FNPT Bleed Port 180° from Stem	08	Gear Operator (Req'd for 6")						
											2	V-TEF™ Seats / Graphite Seals VTFE Cav Fill / EPR O-Ring	H	2" Full Port	H	2" Full Port	E	(1) 1/2" FNPT Bleed Port 90° from Stem	16	Stem Extension w/ lockable lever handle (1/2" thru 4")	F	20 Ra ID after Electro Polish			
												K	3" Full Port	K	3" Full Port	F	(1) 1/2" FNPT Bleed Port 180° from Stem								
											9	V-TEF™ Seats / Graphite Seals FEP encapsulated FKM O-Ring	L	4" Full Port	L	4" Full Port	G	(1) 3/4" FNPT Bleed Port 90° from Stem	20	Double Acting 80psig actuator	More polish available - Contact IMI PBM				
												M	6" Full Port	M	6" Full Port	H	(1) 3/4" FNPT Bleed Port 180° from Stem	27	Double Acting 60psig actuator						
											H	S-TEF® Seats / Graphite Seals FKM O-Ring	Note: End Connections are always the same size.												
											0	S-TEF® Seats / Graphite Seals EPR O-Ring													
																				Other operator options available - Contact IMI PBM					



DBB with Gear Operator [6" ONLY]

AN Series 6 Double Block & Bleed Dimensioned Valves in Inches

Valve Size	A		B		C		D		FL	
	CL150	CL300	CL150	CL300	CL150	CL300	CL150	CL300	CL150	CL300
1/2"	7.00	8.34	4.15	4.15	2.66	2.66				
3/4"	7.75	9.31	4.15	4.15	2.81	2.81				
1"	9.04	10.84	5.09	5.09	3.09	3.09				
1 1/2"	11.57	12.57	8.03	8.03	4.43	4.43				
2"	12.60	14.04	8.03	8.03	4.74	4.74				
3"	12.54	15.78	12.06	12.06	6.85	6.85				
4"	14.72	17.72	24.06	24.06	9.00	9.00				
6"	24.46	29.19	GEAR OP	GEAR OP	GEAR OP	GEAR OP	GEAR OP	GEAR OP		

For 6" with Gear Operator consult IMI PBM for dimensions.

Find out more
pbmvalve.com

