BVDMF Captive Direct Mount Ball Valve

Round Body C.61/62/ANSI/DIN/DMIC

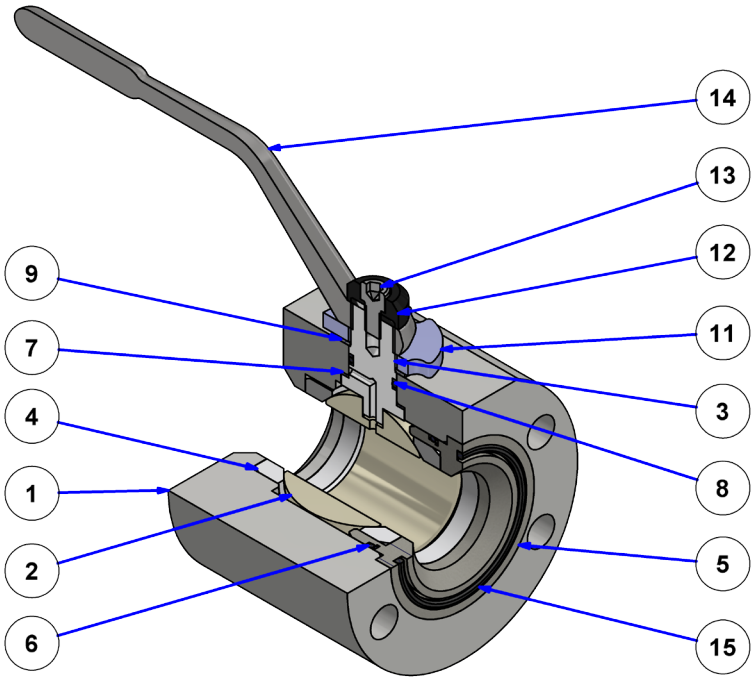
Mounts between a pressure/inlet port and the connection flange for a low-profile, localized shutoff
Models for 3000/6000 PSI ~ Sizes from ½" to 2 ½"

DMIC **BVDMF** is the most compact and lowest cost choice when an SAE 4-Bolt or Split Flange Connection is desired. Optional stainless steel construction, wide array of sealing & options.

- **Exclusive DMIC Spindle-Glide Design** features low torque and the high duty cycle durability that differentiates DMIC from ordinary valves
- **Delrin™ Ball Seals** and Buna-N standard elastomer seals, with all DMIC sealing options available for wide fluid compatibility range
- **Reduced bore for 1" + up allows for compact, lightweight design**; all Stainless Steel construction optional, with Buyer's choice of sealing
- Similar to BVDM but with a threaded C.61 or C.62 SAE 4-bolt Mounting Pad
- Available in aluminum, carbon and stainless steel construction

Service Parts BOM

BVDMF	SERVICE PARTS BOM	
Index	Qty	Description
1	1	Valve Body
2	1	Ball
3	1	Spindle
4	2	Ball Seal
5	1	End Connection
6	1	End Connection O-Ring(s)
7	1	Internal Thrust Washer
8	1	Spindle O-Ring(s)
9	1	External Glide Washer
10	1	Stop Pin (not shown)
11	1	Stop Washer
12	1	Color Code Cap
13	1	Handle Screw
14	1	Handle
15	1	Face O-Ring



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Ordering Codes Summary

See page 14 for accessory codes

BVDMF	25	FL	1	1	1	1	A	Z	Z	A	*	*

Size

Code	Port Size
05	½"
07	¾"
10	1"
12	1¼"
15	1½"
20	2"
25	2½"

Call Factory for larger sizes 18"+

Connection Type

Code	Description
FL	SAE Code 61
FK	SAE Code 62
DM	DMIC Flange 3000 PSI
DH	DMIC Flange 6000 PSI
AA	ANSI Class 150 (290 PSI)
AB	ANSI Class 300 (750 PSI)
AC	ANSI Class 600 (1500 PSI)
AD	ANSI Class 900 (2250 PSI)
AE	ANSI Class 1500 (3750 PSI)
AF	ANSI Class 2500 (6250 PSI)
DA	DIN 3202-F1
DB	DIN 3203-F4

Body Material

Code	Description
1	Carbon Steel
2	Stainless Steel
4	Aluminum (3000 PSI MAX)

O-Ring Seals

Code	Description
1	Buna-N
2	EPR
3	Viton™
4	Teflon™
5	Chemraz™

Ball Seal Material

Code	Description
1	Delrin™
2	PTFE Teflon™ (1500 PSI MAX)
4	High Temp PEEK
6	Delrin™ AF (low Friction)
7	Glass Reinforced Teflon™

Ball & Stem Mat'l

Code	Description
1	Carbon Steel
2	316 Stainless Steel
6	416 Stainless Spindle 316 Stainless Ball

Note: **Changes from Standard Materials may result in changes to temperature and/or pressure rating.**

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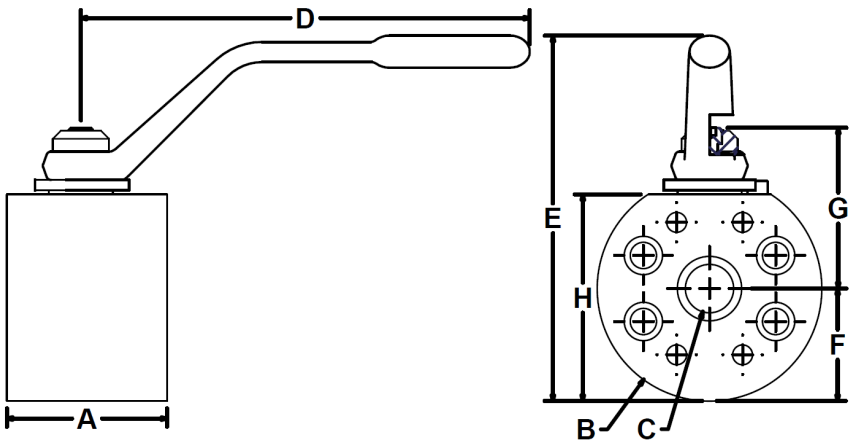
BVDMF	Port Size	PSI Rating	Dimensions (inches)										
			A	ØB	ØC	D	E	F	G	H	J	Counterbore Depth	O-Ring
			Valve Length	Valve Width (Dia)	Valve Bore (Dia)	Handle Length	Overall Height	Port Ctr to Bottom	Port Ctr to Top	Valve Height	Bolt Size		-
BVDMF - **FL Code 61 Direct Mount, Round Body													
BVDMF-05FL****	½"	5000 PSI	2.00	2.63	0.50	4.50	4.09	1.31	1.94	2.46	5/16"	0.33	2-210
BVDMF-07FL****	¾"		2.50	3.50	0.75	7.00	5.71	1.75	2.53	3.24	3/8"	0.39	2-214
BVDMF-10FL****	1"		2.50	3.50	0.75	7.00	5.70	1.75	2.50	3.22	3/8"	0.41	2-219
BVDMF-12FL****	1¼"	4000 PSI	3.00	4.00	0.94	7.00	6.09	2.00	2.66	3.62	7/16"	0.45	2-222
BVDMF-15FL****	1½"	3000 PSI	3.25	4.50	1.25	9.86	7.42	2.25	3.30	4.23	½"	0.53	2-225
BVDMF-20FL****	2"		3.50	5.00	1.50	9.86	7.98	2.50	3.61	4.79	½"	0.53	2-228
BVDMF-25FL****	2½"	2500 PSI	CALL FACTORY										
BVDMF - **FK Code 62 Direct Mount, Round Body, 6000 PSI													
BVDMF-05FK****	½"	6000 PSI	2.00	2.75	0.50	4.50	4.15	1.38	1.94	2.53	5/16"	0.33	2-210
BVDMF-07FK****	¾"		2.50	3.50	0.75	7.00	5.71	1.75	2.52	3.24	3/8"	0.39	2-214
BVDMF-10FK****	1"		2.50	3.75	0.75	7.00	5.96	1.88	2.66	3.49	7/16"	0.45	2-219
BVDMF-12FK****	1¼"		3.00	4.50	0.94	7.00	6.64	2.25	2.95	4.16	½"	0.52	2-222
BVDMF-15FK****	1½"		3.25	4.50	1.25	9.86	7.94	2.50	3.57	4.75	5/8"	0.66	2-225
BVDMF-20FK****	2"		4.25	6.00	1.50	9.86	8.86	3.00	3.99	5.67	¾"	0.78	2-228
BVDMF-25FK****	2½"		CALL FACTORY										



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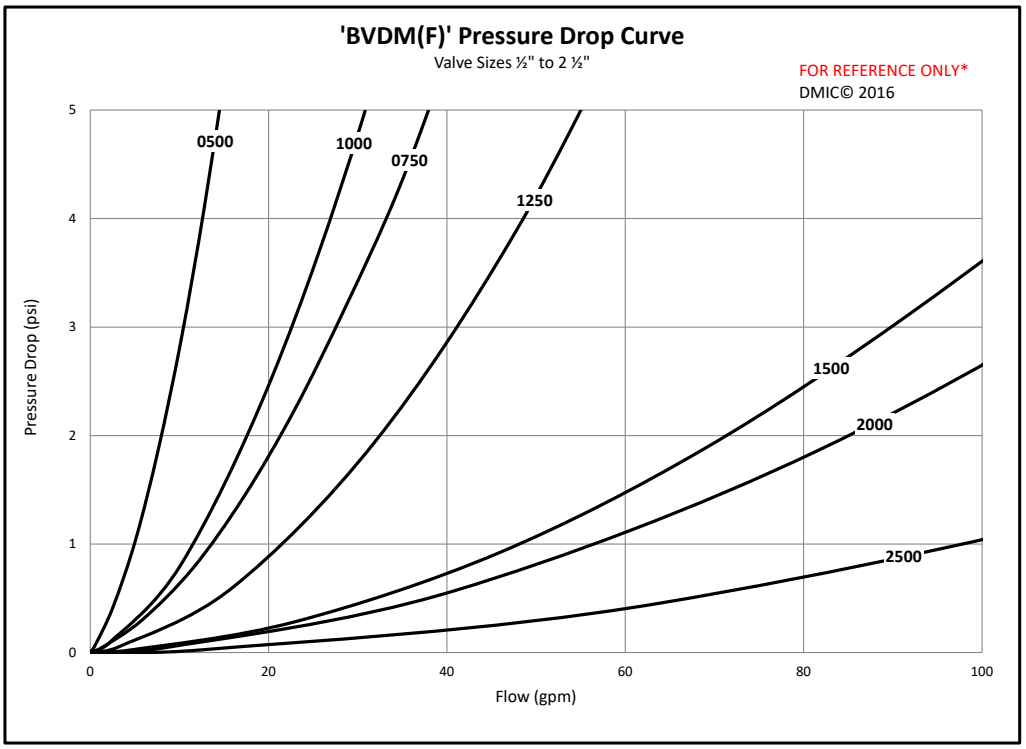
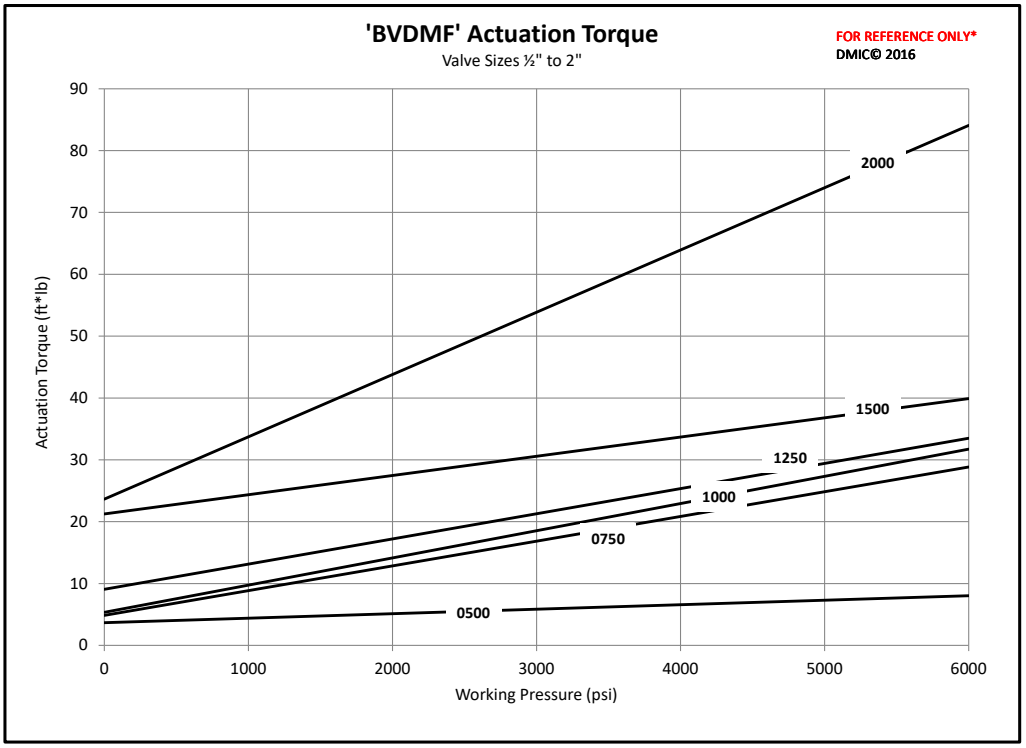
Flow Characteristic and Actuation Torque Curves





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