

CVDM Direct Mount Check Valve

SAE C.61/62, ANSI/DIN/DM-Flange: 3,000/6,000 PSI

Sandwiches inline with through bolt holes: One OR Groove, one Flat Face pad.
Standard sizes from 1/2" to 6" with larger custom valves available

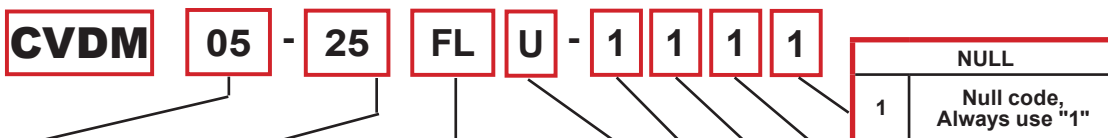
DMIC CVDM is the ideal companion to our BVSS and BVFF Ball Valves. CVDM allows a large bore, low ΔP check valve to be integrated into your circuit, eliminating an external threaded connection.



In addition to on-component mounting, the **CVDM** is well suited for mounting on a manifold. The exclusive DMIC ordering system allows buyers to specify any SAE 4-Bolt, ANSI, DIN, or DM connection, and receive compatible sealing, material spec, and working pressure.

- Developed from nearly two decades experience with our **CVH** threaded check valve for the reliability that has become synonymous with the DMIC name.
- Available in aluminum, carbon and stainless steel construction.
- Comes standard with 5 & 65 PSI; 15/30/75/135 PSI quick delivery options. Other pressures available upon request.
- Poppet orifice is available by special order.

Ordering Codes Summary



Cracking Pressure	
Stock Options	
05	5 PSI (0.35 Bar)
65	65 PSI (4.5 Bar)
Rapid Delivery Options	
15	15 PSI (1.03 Bar)
30	30 PSI (2.1 Bar)
75	75 PSI (5.2 Bar)
135	135 PSI (9.3 Bar)

Size	
Code	Port Size
05	1/2"
07	3/4"
10	1"
12	1 1/4"
15	1 1/2"
20	2"
25	2 1/2"
30	3"
40	4"
50	5"
60	6"

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 (1,500 PSI)
AD	ANSI Class 900 (2,250 PSI)
AE	ANSI Class 1500 (3,750 PSI)
AF	ANSI Class 2500 (6,250 PSI)
DA	DIN 3202-F1
DB	DIN 3203-F4

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

Poppet & Spring Material	
Code	Description
1	Carbon Steel
2	Stainless Steel

Body Material	
Code	Description
1	Carbon Steel
2	Stainless Steel
4	Aluminum

O-Ring Location	
Code	Description
U	At Inlet
C	At Outlet
N	No O-Ring Groove

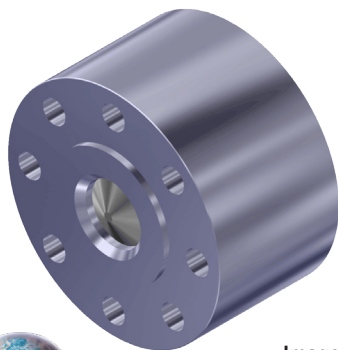
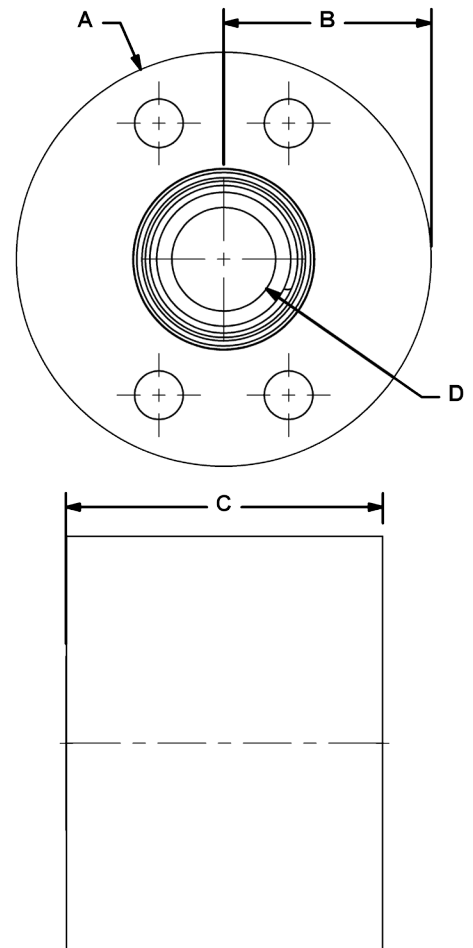


Image to left is a 3" ANSI 600# CVDM.



CVDM	Port Size	Cv	PSI Rating	Dimensions (inches)							
				ØA	B	C	ØD				
				Overall Diam	Ctr line Dim	Overall Length	Thru Bore				
Replace * in part number with the desired cracking pressure from 05/15/30/65/75/135 PSI. The w position refers to position of O-ring face. U=OR-Face @ Inlet, C=OR Face @ Outlet											
CVDM-41: ANSI 150, ALUMINUM BODY											
CVDM*-05AA-4111	½"	3.0	290 PSI	Please contact Factory for latest specifications. If SAE code 61 pattern is desired, replace AA with FL.							
CVDM*-07AA-4111	¾"	6.0									
CVDM*-10AA-4111	1"	9.5									
CVDM*-12AA-4111	1¼"	15.6									
CVDM*-15AA-4111	1½"	22.1									
CVDM*-20AA-4111	2"	44.5									
CVDM*-25AA-4111	2½"	78.1									
CVDM*-30AA-4111	3"	103.9									
CVDM*-40AA-4111	4"	187.0									
CVDM*-50AA-4111	5"	-									
CVDM*-60AA-4111	6"	-									
				Please call Factory for latest specifications on large ANSI and DIN flange check valves.							
CVDM FL/DM: SAE C.61 & DM-FLANGE, STEEL BODY, TO 3,000 PSI NOTE: SAE Code 61 large sizes above 2" are derated to SAE C.61 working pressure by spec.											
CVDM*-05FLU-1111	½"	3.0	5,000 PSI	2.38	1.19	1.86	0.46				
CVDM*-07FLU-1111	¾"	6.0	5,000 PSI	2.88	1.44	2.10	0.65				
CVDM*-10FLU-1111	1"	9.5	5,000 PSI	3.00	1.50	2.54	0.83				
CVDM*-12FLU-1111	1¼"	15.6	4,000 PSI	3.50	1.75	3.05	1.08				
CVDM*-15FLU-1111	1½"	22.1	3,000 PSI	4.00	2.00	3.54	1.30				
CVDM*-20FLU-1111	2"	44.5	3,000 PSI	4.50	2.25	4.47	1.81				
CVDM*-25FLU-1111	2½"	78.1	2,500 PSI	Please call Factory for latest specifications.							
CVDM*-25DM-1111			3,000 PSI								
CVDM*-30FLU-1111	3"	103.9	2,000 PSI								
CVDM*-30DM-1111			3,000 PSI								
CVDM*-40FLU-1111	4"	187.0	500 PSI								
CVDM*-40DM-1111			3,000 PSI								
CVDM*-50DM-1111	5"	-	3,000 PSI								
CVDM*-60DM-1111	6"	-	3,000 PSI								
CVDM FK/DH: SAE C.62 & DM-FLANGE, STEEL BODY, 6000 PSI											
CVDM*-05FKU-1111	½"	3.0	6,000 PSI					2.50	1.25	1.86	0.46
CVDM*-07FKU-1111	¾"	6.0		3.00	1.50	2.10	0.65				
CVDM*-10FKU-1111	1"	9.5		3.50	1.75	2.54	0.83				
CVDM*-12FKU-1111	1¼"	15.6		4.00	2.00	3.05	1.08				
CVDM*-15FKU-1111	1½"	22.1		4.75	2.38	3.54	1.30				
CVDM*-20FKU-1111	2"	44.5		5.50	2.75	4.47	1.81				
CVDM*-25DH-1111	2½"	78.1		Please contact Factory for latest specifications.							
CVDM*-30DH-1111	3"	103.9									
CVDM*-40DH-1111	4"	187.0									
CVDM*-50DH-1111	5"	-									
CVDM*-60DH-1111	6"	-									



Available Flanges and Bolt Kits	
Flange	Description
FDM-25*-11	DMIC Custom Medium Pressure
FDM-30*-11	
FDM-40*-11	Pattern for Weld Flanges (3,000 PSI rating)
FDM-50*-11	
FDM-60*-11	

****NOTE:** Please replace ** in flange part number with W4=Sch.40, W8=Sch. 80, WF=Sch. 160, WG=XXStrong for socket weld flanges. Butt Weld flanges are as follows: WB4 = Sch. 40, WB8= Sch. 80, WBF = Sch 160, WBG = XXStrong.

Available Flanges and Bolt Kits	
Flange	Description
FDH-25*-11	DMIC Custom High Pressure
FDH-30*-11	
FDH-40*-11	Pattern for Weld Flanges (6,000 PSI rating)
FDH-50*-11	
FDH-60*-11	

Note: For sizes 2-1/2" and larger with cracking pressures higher than 65 psi, Cv values decrease from listed. See Curve for Pressure Balanced Design

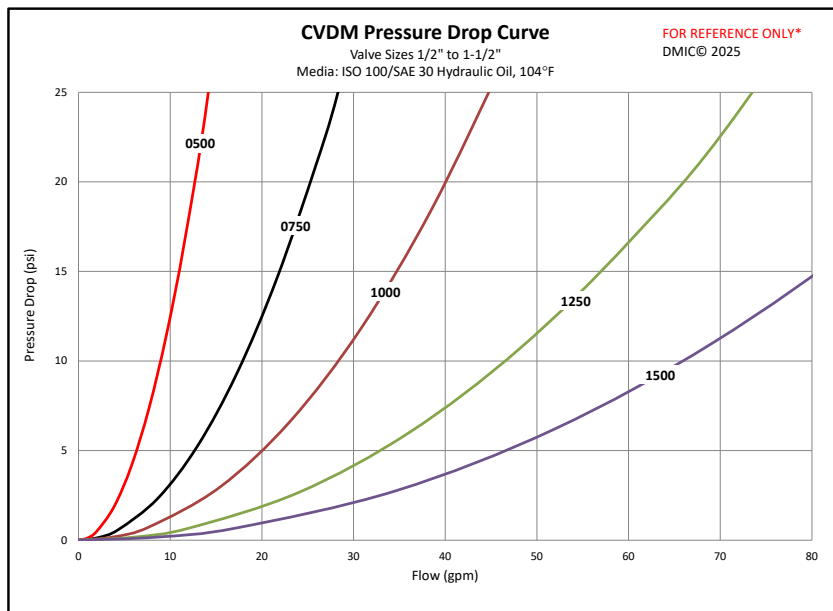


This valve series is factory sealed and disassembly will destroy the valve and void the warranty. Due to our policy of continual product improvement, the specifications in this catalog may change without notice. When designing by spec, please request a certified print.

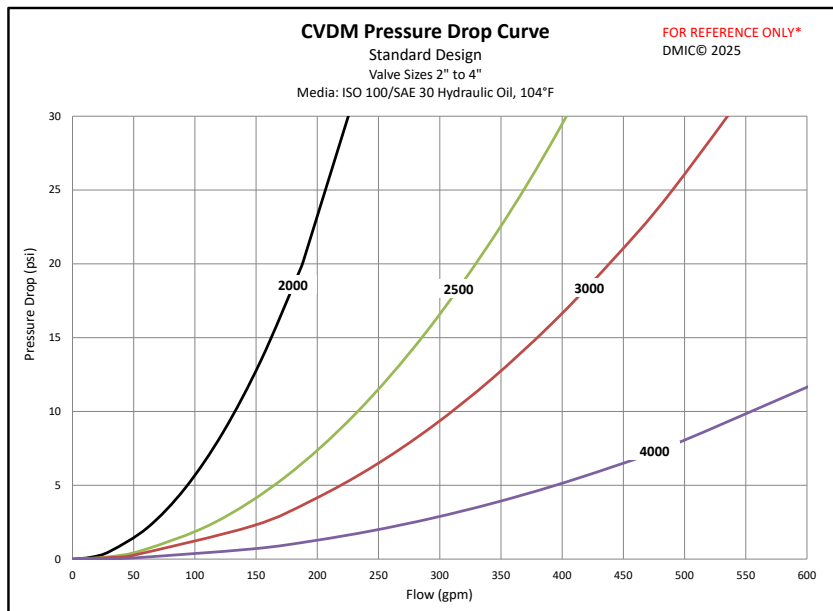
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Page 25

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In Canada 1-800-320-3642



NOTE: All flow curve values are for check valves that are cracked open, and flow velocity maintains them in the open position. Cracking pressure is not included and must be added to the pressure drop for any given flow curve valve.



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