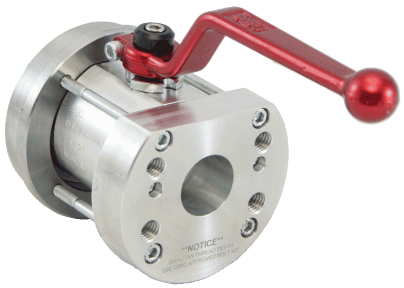
BVALP Low Profile Suction

Ideal from suction to atmospheric pressure

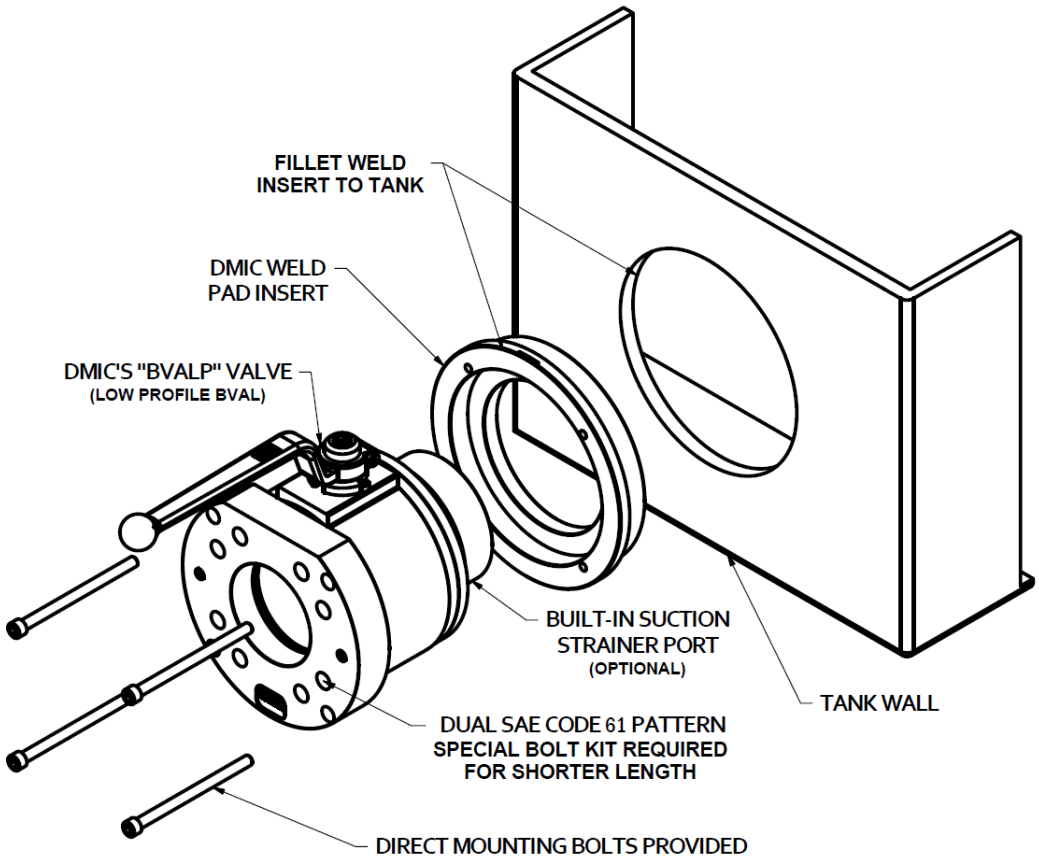
Optimized for DMIC's "SSW" System - All sizes unrestricted bore.



Similar to DMIC's BVAL product line, but its smaller profile allows for mounting in tight spaces. Whether you're building a new system with a tight space constraint on a valve or are looking to replace your unreliable gate or butterfly valve, make DMIC's BVALP valve your only choice.

- Bore sizes range from 1"-4", other sizes available upon request
- Tank mounted flange for weldment and removable ball valve provided
- Available directly with suction line filter port
- Capable of handling up to 250 PSI
- SAE C.61 Mounting pattern provided (standard) with additional connection availability
- **Special bolt kit required (Sold Separately)**

Valve Installation Guide



Sizes	
Valve Size	Hole Size
10	3.00"
12	3.75"
15	4.25"
20	5.00"
25	6.00"
30	7.00"
40	8.00"

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BVALP Low Profile Suction

Ordering Codes Summary

See below for Suction Strainer Ordering

See page 14 for accessory codes

BVALP	**	FM	4	3	2	1	*	*	*	*	*	*	1	*

Size Codes

Code	Port Size
10	1"
12	1¼"
15	1½"
20	2"
25	2½"
30	3"
40	4"
50	Call Factory
60	

Call Factory for larger sizes 18"+

Standard -

Connection Type

Flanged	
Code	**Description**
FM	C. 61 SAE 4-Bolt UNC
AA	Class 150# (290 PSI @ 100°F)
GM	C.61 SAE 4-Bolt Metric

Weld Pad Material

Standard -

Code	Description
0	No Weld Pad
1	Carbon Steel
2	Stainless Steel
4	Aluminum

O-Ring Material

Code	Description
1	Buna-N (Standard)
2	EPR
3	Viton™

Seals

Code	Description
1	Delrin™
2	PTFE Teflon™
4	High Temp PEEK
6	Delrin™ AF (Low Friction)

Ball & Spindle Mat'l

Code	Description
3[1]	Brass

Body Material

Code	Description
4	Aluminum

[1] Ball Material 316SS for 1" - 2"

Bolt Kits for BVALP

Valve Size	Bolt Kit Part Number	Description
10	BKALP-1000-1111 BKCLP-1000-1111	Socket Head Kit for BVALP Code 61 4Bolt Hex Head Kit for BVALP code 61 Split Flange
12	BKALP-1250-1111 BKCLP-1250-1111	Socket Head Kit for BVALP Code 61 4Bolt Hex Head Kit for BVALP code 61 Split Flange
15	BKALP-1500-1111 BKCLP-1500-1111	Socket Head Kit for BVALP Code 61 4Bolt Hex Head Kit for BVALP code 61 Split Flange
20	BKALP-2000-1111 BKCLP-2000-1111	Socket Head Kit for BVALP Code 61 4Bolt Hex Head Kit for BVALP code 61 Split Flange
25	BKALP-2500-1111 BKCLP-2500-1111	Socket Head Kit for BVALP Code 61 4Bolt Hex Head Kit for BVALP code 61 Split Flange
30	BKALP-3000-1111 BKCLP-3000-1111	Socket Head Kit for BVALP Code 61 4Bolt Hex Head Kit for BVALP code 61 Split Flange
40	BKALP-4000-1111 BKCLP-4000-1111	Socket Head Kit for BVALP Code 61 4Bolt Hex Head Kit for BVALP code 61 Split Flange

2+2 Ordering Code Example for built in Suction Strainer Port:

XX	X	-	XX	X
Size	*Conn*		*Size*	*Conn*

Inlet (Strainer side)
10
12
15
20
25
30
40

Inlet (Strainer side)
B
S
N
T

Outlet
10
12
15
20
25
30
40

Outlet
N
S

Ordering Example:

BVALP-25N-25FM-4321AZZN

-NPT Port for Strainer

-FM Bolt Conn. on outlet side

-Standard Material Carbon Steel Weld Pad. Last 4 Accessory Codes Dropped

BVALP-30S-30FM-4321ZZZNZZ2Z

-Weld Pad Material request is Stainless Steel

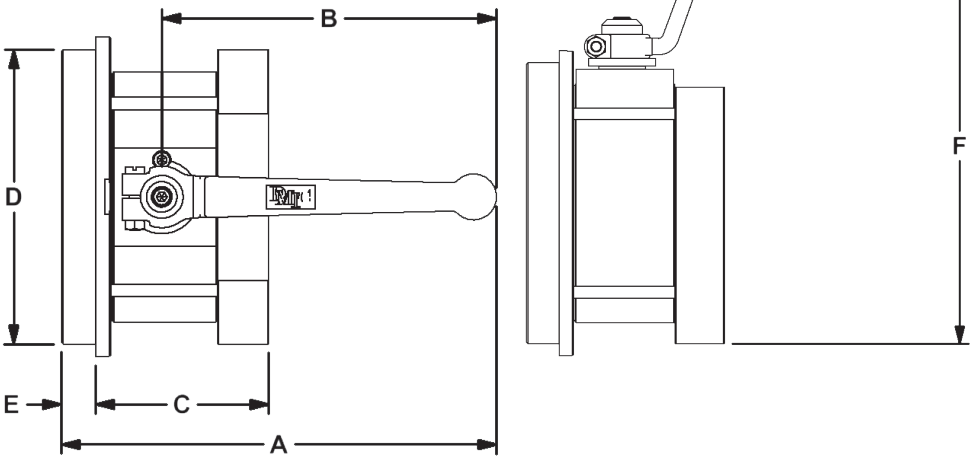
Note: Changes from Standard Materials may result in changes to temperature and/or pressure rating.

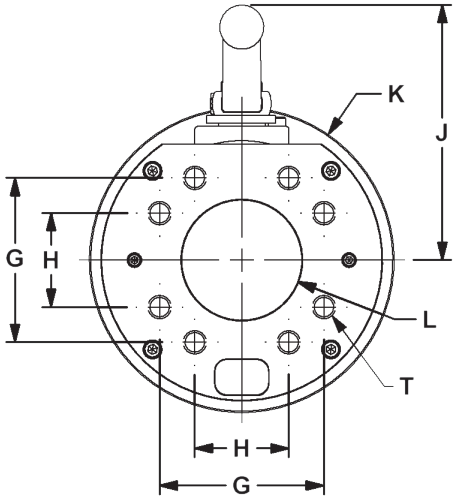
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BVALP Low Profile Suction

BVALP	Port Size	Dimensions											
		A Overall Length	B Handle Length	C Installed Length	D Tank Hole Diameter (+0.06/-0.00)	E Tank Inset	F Overall Height	G SAE C.61 Pattern	H SAE C.61 Pattern	J Cntr to Handle Height	K Weld Pad Diameter	L Thru Bore	T Mounting Thread UNC
BVALP-10	1"	6.78	5.09	2.79	3.00	0.50	4.75	2.06	1.03	3.11	3.25	0.97	3/8
BVALP-12	1¼"	8.72	6.81	3.16	3.75	0.50	6.06	2.31	1.19	4.06	4.00	1.25	7/16
BVALP-15	1½"	8.59	6.81	3.41	4.25	0.50	6.55	2.75	1.41	4.29	4.50	1.50	1/2
BVALP-20	2"	8.65	6.81	3.47	5.00	0.50	7.09	3.06	1.69	4.59	5.50	1.97	1/2
BVALP-25	2½"	8.85	6.81	3.52	6.00	0.69	8.44	3.50	2.00	5.43	6.50	2.56	1/2
BVALP-30	3"	11.14	8.61	4.50	7.00	0.88	9.48	4.19	2.44	5.98	7.50	3.15	5/8
BVALP-40	4"	11.35	8.61	4.50	8.00	1.09	10.53	5.13	3.06	6.53	8.38	3.94	5/8



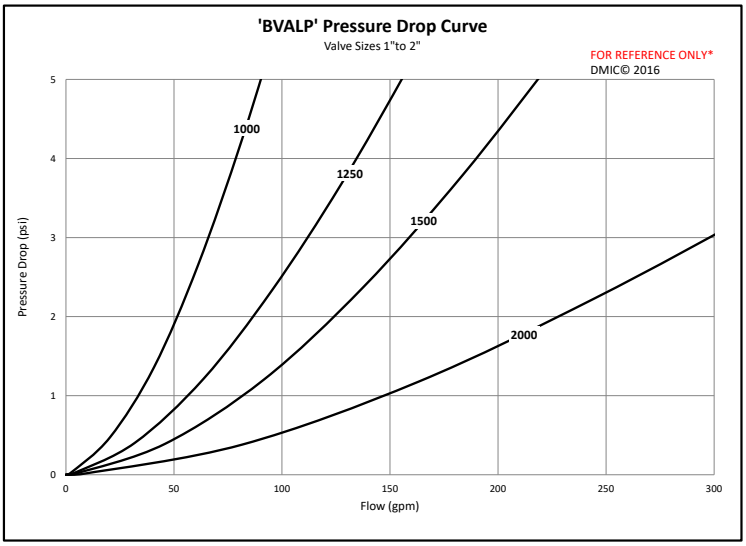


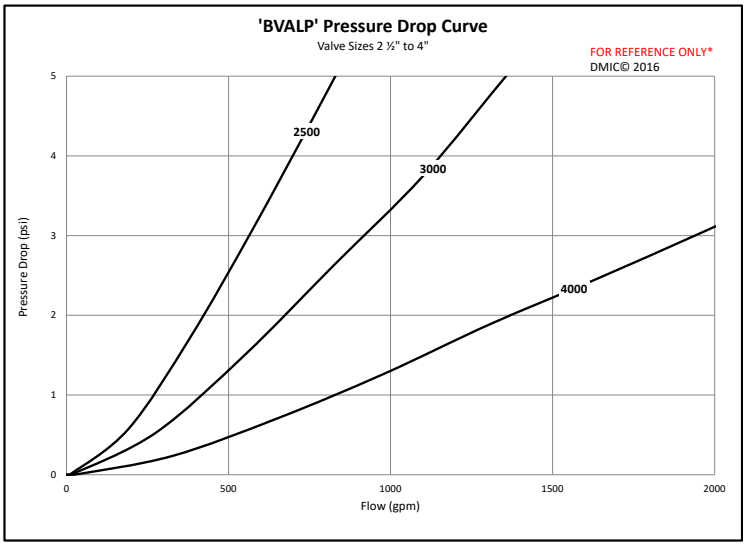
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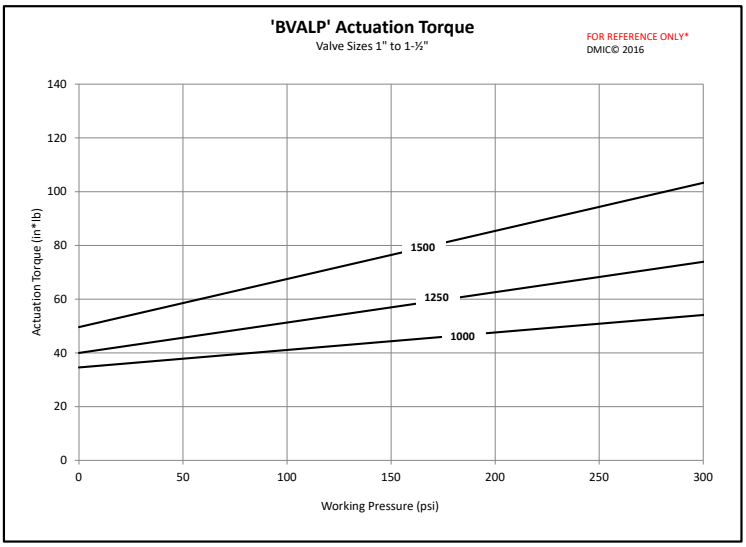
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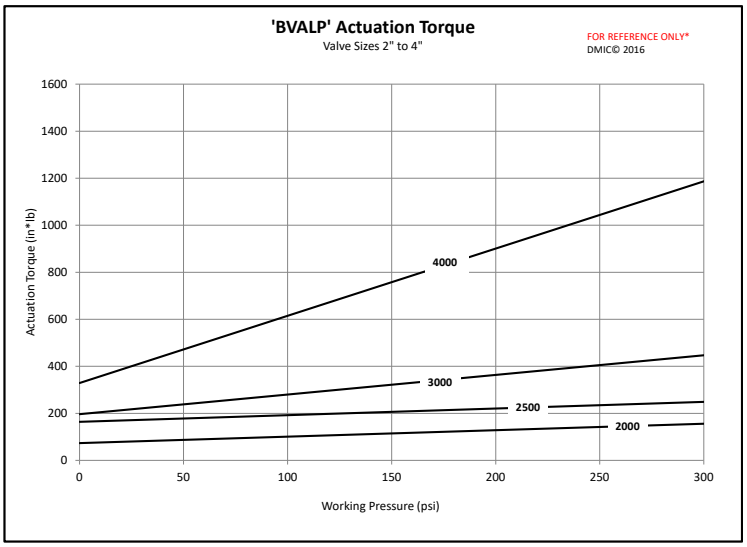
BVALP Low Profile Suction

Flow Characteristic and Actuation Torque Curves









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