

DAB Series True Union Diaphragm Valves

1/2" TO 2" PVC, CPVC, PP AND PVDF



KEY FEATURES

- PVC, CPVC, PP and PVDF
- Position Indicator
- Ergonomic Handwheel
- Choice of FPM, EPDM or PTFE Diaphragms*

OPTIONS

- Electric or Pneumatic Actuation
- PVDF Vapor Barrier**

MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- PP per ASTM D4101
- PVDF
- FPM, EPDM and PTFE O-Ring Seals

* All PTFE diaphragms are EPDM backed

** PVDF Vapor Barrier available with EPDM and PTFE diaphragm only

TECHNICAL INFORMATION

EXPLODED VIEW



SELECTION CHART

SIZE	MATERIAL	END CONNECTION	DIAPHRAGM	SEALS	PRESSURE RATING
1/2" - 2" (DN15 - DN50)	PVC or CPVC	Socket and Threaded	FPM, EPDM, PTFE or PVDF Vapor Barrier	FPM or EPDM	150 PSI @ 70°F Non-Shock
	PP or PVDF	Threaded			

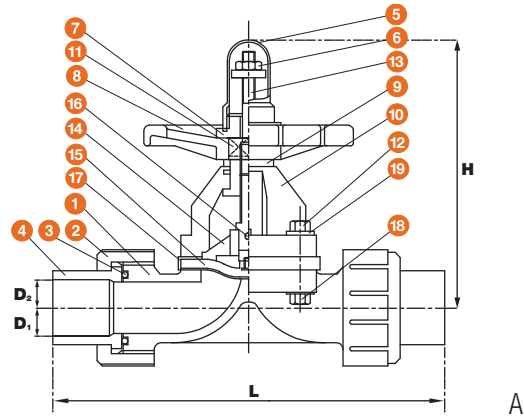
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TECHNICAL INFORMATION, CONTINUED

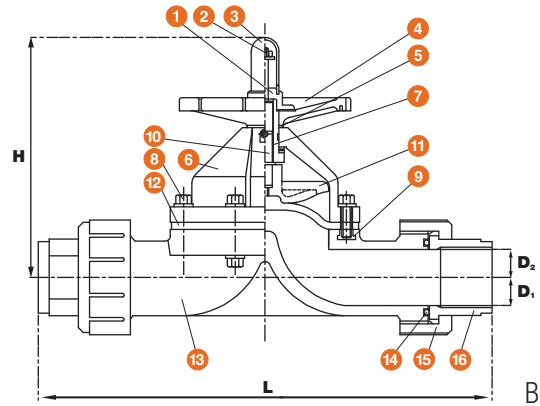
1/2" – 1" PARTS LIST (A)

- | | |
|--------------------|---------------------------|
| 1. Union Body | 11. Sleeve |
| 2. Union Gland Cap | 12. Nut |
| 3. Union O-Ring | 13. Stem |
| 4. Union Body Cap | 14. Compressor |
| 5. Gauge Cap | 15. Diaphragm |
| 6. Stopper Nut | 16. Pin |
| 7. Lock Nut | 17. Diaphragm Cover Plate |
| 8. Hand Wheel | 18. Bolt |
| 9. Thrust Washer | 19. Washer |
| 10. Bonnet | |



1-1/4" – 2" PARTS LIST (B)

- | | |
|------------------|---------------------|
| 1. Lock Nut | 11. Compressor |
| 2. Stopper Nut | 12. Diaphragm |
| 3. Gauge Cap | 13. Union Body |
| 4. Hand Wheel | 14. Union O-Ring |
| 5. Thrust Washer | 15. Union Gland Cap |
| 6. Bonnet | 16. Union Body Cap |
| 7. Stem | 17. Plate |
| 8. Bolt | 18. Washer |
| 9. Inserted Nut | |
| 10. Sleeve | |



DIMENSIONS – INCHES / MILLIMETERS

THREADED (PVC, CPVC, PP AND PVDF)				SOCKET (PVC, CPVC AND PP)				SOCKET (PVDF)			
SIZE	L	d2	H	SIZE	L	d1	H	SIZE	L	d1	H
in / DN	in / mm		in / mm	in / DN	in / mm	in / mm	in / mm	in / DN	in / mm	in / mm	in / mm
1/2 / 15	5.55 / 141	1/2-NPT	3.74 / 95	1/2 / 15	5.90 / 150	.85 / 22	3.74 / 95	1/2 / 15	5.90 / 150	.88 / 22	3.74 / 95
3/4 / 20	6.22 / 158	3/4-NPT	3.94 / 100	3/4 / 20	6.69 / 170	1.06 / 27	3.94 / 100	3/4 / 20	6.69 / 170	1.04 / 26	3.94 / 100
1 / 25	7.17 / 182	1-NPT	4.33 / 110	1 / 25	7.95 / 202	1.32 / 34	4.33 / 110	1 / 25	7.95 / 202	1.28 / 33	4.33 / 110
1-1/4 / 30	10.63 / 270	1-1/4-NPT	7.67 / 195	1-1/4 / 30	11.22 / 285	1.91 / 48	7.67 / 195	1-1/4 / 30	11.22 / 285	1.91 / 48	7.67 / 195
1-1/2 / 40	10.63 / 270	1-1/2-NPT	7.67 / 195	1-1/2 / 40	11.22 / 285	1.91 / 48	7.67 / 195	1-1/2 / 40	11.22 / 285	1.91 / 48	7.67 / 195
2 / 50	12.13 / 308	2-NPT	8.27 / 210	2 / 50	12.79 / 325	2.39 / 61	8.27 / 210	2 / 50	12.79 / 325	2.39 / 61	8.27 / 210

Dimensions are subject to change without notice – consult factory for installation information

Cv VALUES

SIZE	Cv VALUES	SIZE	Cv VALUES
in / DN	GPM	in / DN	GPM
1/2 / 15	5.0	1-1/4 / 30	18.0
3/4 / 20	8.0	1-1/2 / 40	26.0
1 / 25	10.0	2 / 50	56.0



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