

DAB Series True Union Diaphragm Valves

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

KEY FEATURES

- PVC, CPVC, PP and PVDF
- Position Indicator
- Sure-Grip 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 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 or PTFE*	FPM or EPDM	150 PSI @ 70°F Non-Shock
	PP or PVDF	Threaded			

* EPDM and PTFE diaphragms are available with a PVDF Vapor Barrier

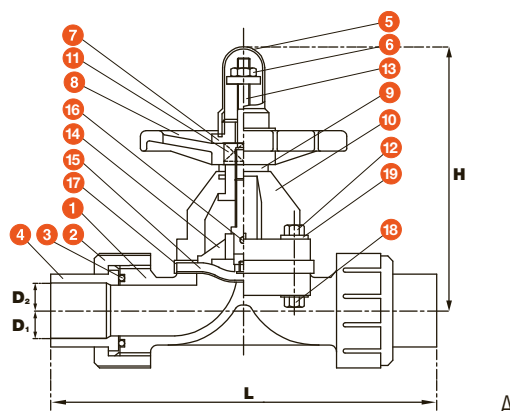
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TECHNICAL INFORMATION, CONTINUED

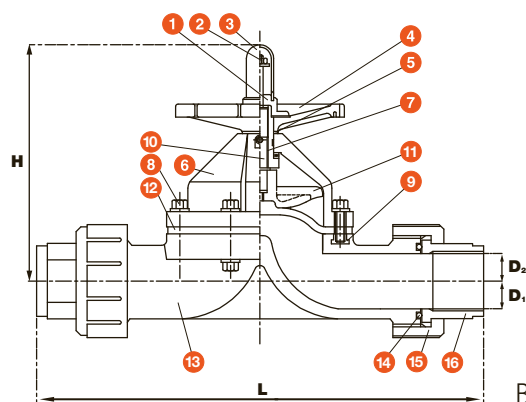
1/2" – 1" PARTS LIST (A)

- | | |
|--------------------|---------------------------|
| 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

THREADED (PVC, CPVC, PP AND PVDF)				SOCKET (PVC, CPVC AND PP)				SOCKET (PVDF)			
SIZE in/DN	L in/mm	d2	H in/mm	SIZE in/DN	L in/mm	d1 in/mm	H in/mm	SIZE in/DN	L in/mm	d1 in/mm	H 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 in/DN	Cv VALUES	SIZE in/DN	Cv VALUES
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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