



## DAB Series True Union Diaphragm Valves

1/2" TO 2" PVC AND CPVC

### KEY FEATURES

- Available in PVC and CPVC
- Position Indicator
- Sure-Grip Handwheel
- Choice of FPM, EPDM or PTFE Diaphragms\*

### OPTIONS

- Electric or Pneumatic Actuation
- PVDF Vapor Barrier\*\*

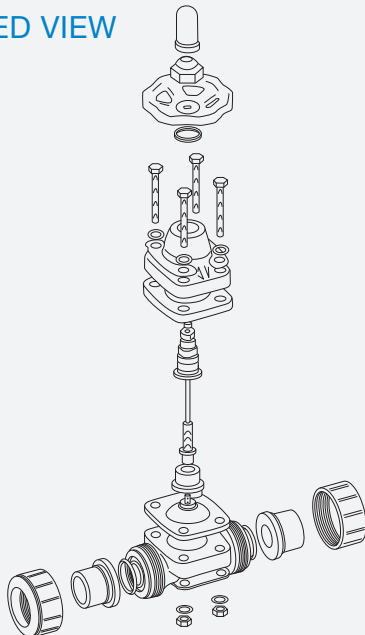
### MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- 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"	PVC or CPVC	Socket and Threaded	FPM, EPDM or PTFE*	FPM or EPDM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock

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

**Brisbane, Australia**  
[www.monarchindustrial.com.au](http://www.monarchindustrial.com.au)  
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Brisbane, Australia

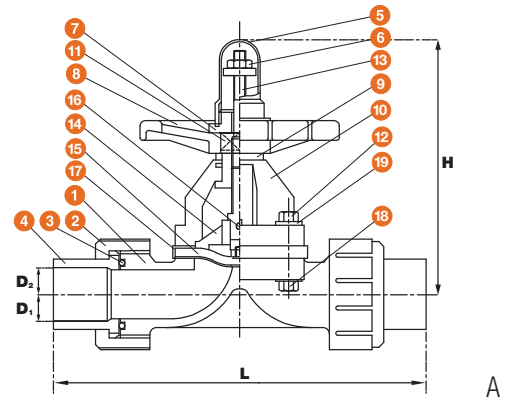
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## TECHNICAL INFORMATION, CONTINUED

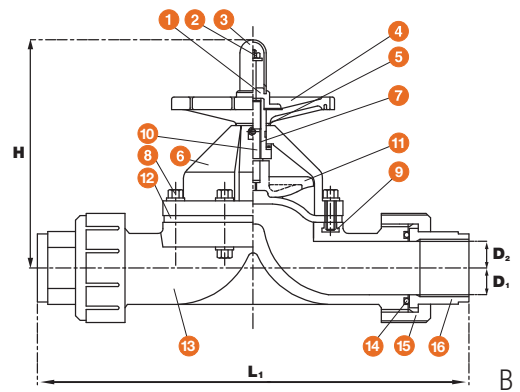
### 1/2" – 1" PARTS LIST (A)

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



### 1-1/4" – 2" PARTS LIST (B)

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



## DIMENSIONS

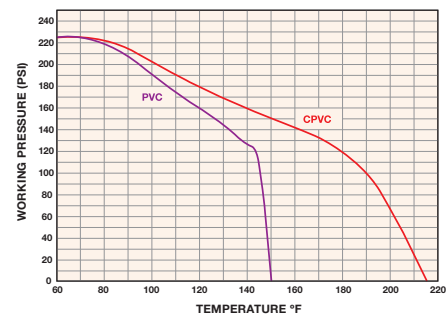
SIZE in / DN	L (Socket) in / mm	L1 (Thread) in / mm	d1 in / mm	d2 in / mm	H in / mm
1/2 / 15	5.90 / 150	5.55 / 141	.85 / 22	1/2 – NPT	3.74 / 95
3/4 / 20	6.69 / 170	6.22 / 158	1.06 / 27	3/4 – NPT	3.94 / 100
1 / 25	7.95 / 202	7.17 / 182	1.32 / 34	1 – NPT	4.33 / 110
1-1/4 / 30	11.22 / 285	10.63 / 270	1.91 / 48	1-1/4 – NPT	7.67 / 195
1-1/2 / 40	11.22 / 285	10.63 / 270	1.91 / 48	1-1/2 – NPT	7.67 / 195
2 / 50	12.79 / 325	12.13 / 308	2.39 / 61	2 – NPT	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

## OPERATING TEMPERATURE/PRESSURE



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