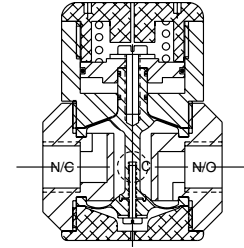


Pneumatic Diaphragm Divertor Valve

Material: PVC, PP, PVDF, TEFLON
Size: 1/2" - 1"
Pressure Rating: 150 psi
Diaphragm: Teflon
Connections: FNPT Threaded (1/2" - 1")



ISO 9002 CERTIFIED

Engineering Guide Specification

Materials of Construction:

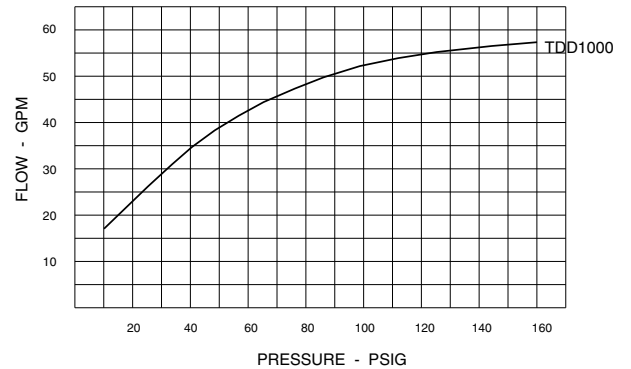
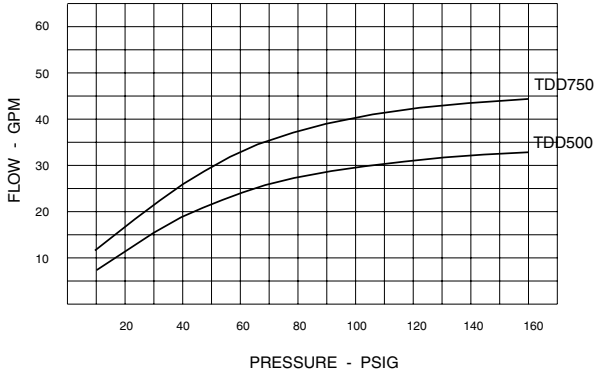
PVC: Class 12454B per ASTM D1784
PP: Class PP 110B76383 per ASTM D4101
PVDF: Type 1 per ASTM D3222

Guide Specification: The SIMTECH TDD series diaphragm divertor air valve features a compact plastic valve especially designed for DI water and other high purity applications. This valve is also known as an air operated 3 way valve. No metal and elastomer contact with fluid. Virgin Teflon diaphragms and seals. Equal flow on both ports (N/O and N/C) Can handle high back pressure. Low operating air pressure. This direct acting full flow valve features top entry for easy in-line maintenance and minimum water hammer, as manufactured by SIMTECH.

Type 1: Air to open/spring to close.

Type 2: Air to open/air to close.

Pressure/Temperature Graph: Working PSI/Fahrenheit



Dimensional Data

| d Inches | | | | | Back Press | Air Press |
|-------------|------|------|------|----------------|---------------|--------------|
| | A | B | C | C _v | | |
| 1/2 | 3.00 | 3.97 | 1.23 | 4.58 | 80 psi | 15-80 |
| 3/4 | 3.50 | 4.25 | 1.50 | 6.24 | 70 psi | 25-80 |
| 1 | 4.00 | 6.00 | 1.75 | 8.47 | 70 psi | 30-80 |

(*) C_v value @ 150 GPM

