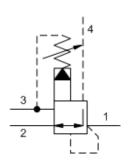


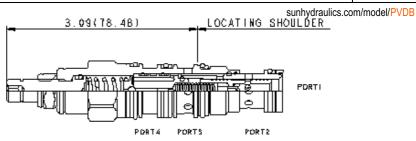


Ventable, pilot-operated, pressure reducing/relieving valve

SERIES 1 / CAPACITY: 10 gpm / CAVITY: T-21A







Ventable, pilot-operated pressure reducing/relieving valves reduce a high primary pressure at the inlet to a constant reduced pressure at port 1, with a full-flow relief function from port 1 to tank (port 3). The vent port (port 4) can be used as a means for remote control by pilot or 2-way valves.

CONFIGURATION

L	Control	Standard Screw Adjustment
В	Adjustment Range	50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting
N	Seal Material	Buna-N
(none) Material/Coating		Standard Material/Coating

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Factory Pressure Settings Established at	blocked control port (dead headed)
Maximum Operating Pressure	5000 psi
Control Pilot Flow	7 - 10 in³/min.
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990021007
Seal kit - Cartridge	EPDM: 990021014
Seal kit - Cartridge	Polyurethane: 990021002
Seal kit - Cartridge	Viton: 990021006

NOTES

Maximum pressure differentials for spring ranges: A and B are 3000 psi (210 bar) D and E are 2000 psi (140 bar) W is 5000 psi (350 bar) inlet pressure

CONFIGURATION OPTIONS

Model Code Example: PVDBLBN

Standard Scrow	Adjustment

Tamper Resistant - Factory Set

K Handknob

CONTROL

B 50 - 1500 psi (3,5 - 105 bar), 200 psi

(L) ADJUSTMENT RANGE

(14 bar) Standard Setting A 100 - 3000 psi (7 - 210 bar), 200 psi (14 bar) Standard Setting

C 150 - 6000 psi (10,5 - 420 bar), 200 psi (14 bar) Standard Setting

D 25 - 800 psi (1,7 - 55 bar), 200 psi (14 bar) Standard Setting

E 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting

W 150 - 4500 psi (10,5 - 315 bar), 200 psi (14 bar) Standard Setting

N Buna-N Viton

(B) SEAL MATERIAL

/AP Stainless Steel, Passivated

(N) MATERIAL/COATING

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