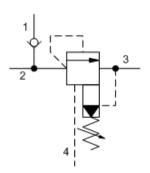
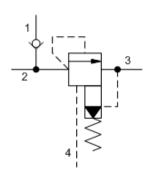
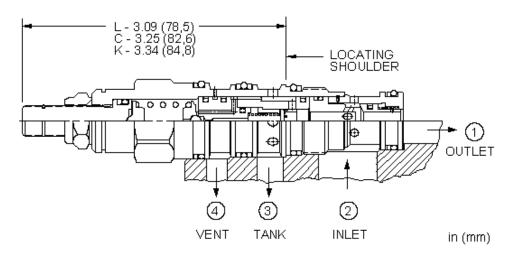
SERIES 1 / CAPACITY: 10 gpm / CAVITY: T-21A



snhy.com/HVCA







The ventable relief-before-check cartridge is a CavitySaverTM (multi-function) valve incorporating a ventable, pilot-operated, balanced piston relief tee'd in before a check function. When the pressure at the inlet (port 2) reaches the relief valve setting, the valve starts to open to tank (port 3), throttling flow to regulate the pressure. The check valve flow is from the inlet (port 2) to the system port (port1). The valve includes a vent port (port 4) that connects between the main piston and pilot stage to provide for remote control by other pilot or 2-way valves.

These valves are accurate, have low pressure rise vs. flow, are smooth, quiet, and are moderately fast.

TECHNICAL DATA

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

Factory Pressure Settings Established at	4 gpm
Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	2 in³/min.@1000 psi
Check Cracking Pressure	25 psi
Response Time - Typical	10 ms
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	Polyurethane: 990021002
Seal kit - Cartridge	Viton: 990021006

(N)

CONFIGURATION OPTIONS

Model Code Example: HVCALAN

CONTROL (L) ADJUSTMENT RANGE (A) SEAL MATERIAL

L Standard Screw Adjustment

C Tamper Resistant - Factory Set

K Handknob

A 75 - 3000 psi (5 - 210 bar), 1000 psi (70 bar) Standard Setting

B 75 - 1500 psi (5 - 105 bar), 1000 psi (70 bar) Standard Setting

D 75 - 800 psi (5 - 55 bar), 400 psi (28 bar) Standard Setting

W 75 - 4500 psi (5 - 315 bar), 1000 psi (70 bar) Standard Setting

N Buna-NV Viton

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