

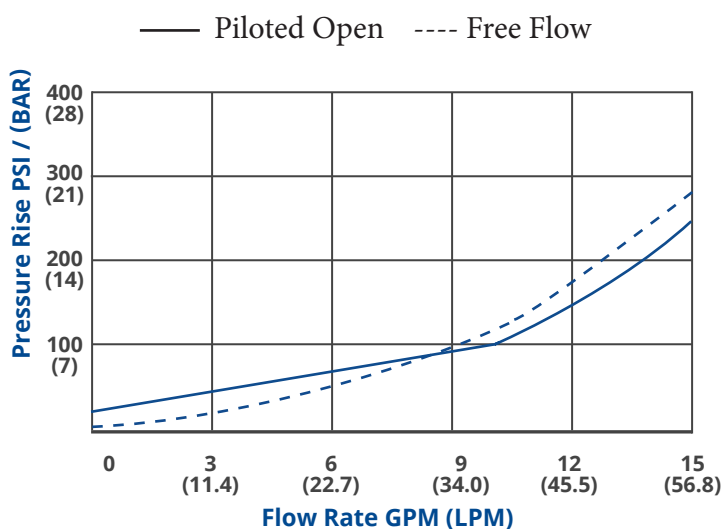
## Description:

Cartridge style counterbalance valve with internally vented spring chamber and a reverse flow check. Intended for use as a motion control and over-center load holding valve.

## Features:

- Common pilot ratios 2:1, 3:1, 4:1, 8:1, 10:1
- Sealed pilot piston for low leakage
- Quiet stable operation
- Low hysteresis
- Zinc plated exposed steel parts
- Anodized aluminum body for corrosion protection
- Standard setting is 3000 PSI  
*(Other settings can be specified, see model code on back.)*

## Flow Characteristics (32 CST / 150 SUS oil at 40C)



## Specifications:

Maximum pressure (Aluminum body)	3000 PSI (207 BAR)
Maximum setting	4000 PSI (345 BAR)
Maximum flow	15 GPM (57 LPM)
Port size	SAE -08
Body material	Aluminum
Filtration	ISO 4406
Fluids	Mineral based or synthetics 50-2000 SUS
Approx. Weight	2.7 Lbs.

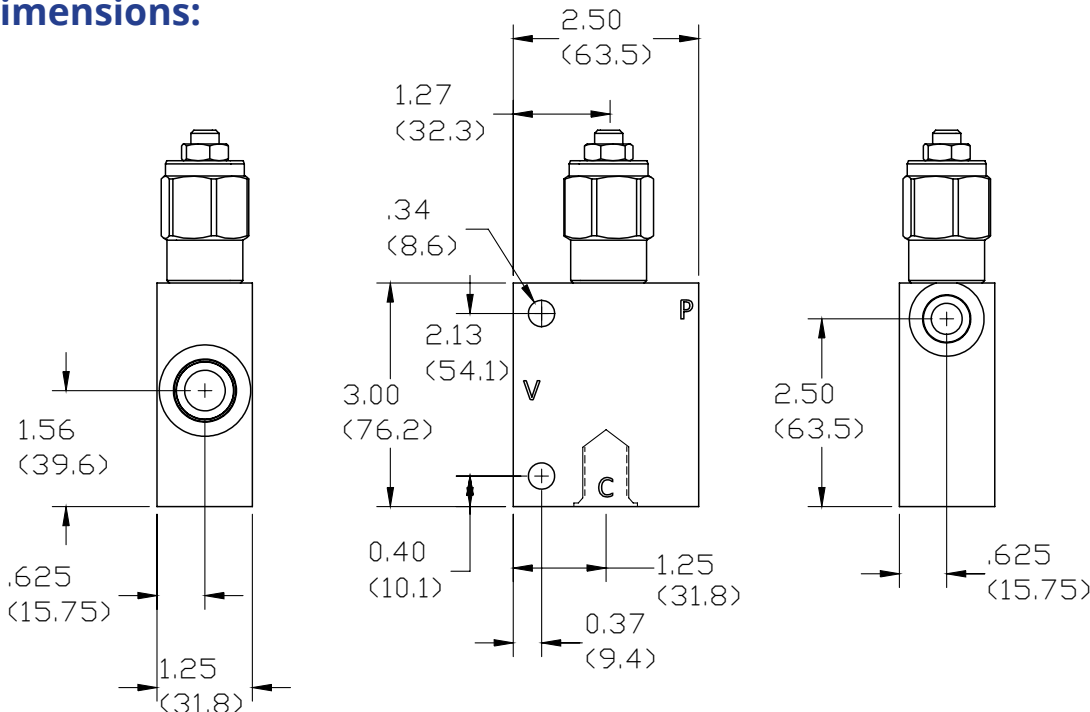
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## Installation Dimensions:



( ) Parentheses = Millimeters

## How To Order:



Example model code  
is the in-stock  
FastLine solution

## CBV20M A - 308T - \_ \_ - 3 30 - ST00

**Base Part No.**

**Adjustment Type:**  
A = Hex Allen Head  
F = Fixed setting

**Body Material:**  
Omit = Aluminum  
D = Ductile \*

**Seal Type:**  
Omit = Buna N  
V = Fluorocarbon \*\*

**3 Ports**  
Two SAE 08  
One SAE 06

**Pilot Ratio:**  
2 = 2:1  
3 = 3:1  
4 = 4:1  
8 = 8:1  
10 = 10:1

**Feature:**

ST00 = Standard  
ST0P = Standard, pilot seal  
GT0P = High flow, pilot seal  
R100 = Restrictive  
VST0 = Vented standard control  
VSTP = Vented with pilot seal

CBV Setting =  $\text{PSI} \div 100$

Std. adjustment range: 1000-4000 PSI

Not all Pilot ratios are available from stock. 3:1 & 4:1 ratios are the standard offering.

\*Ductile bodies have limited availability. Ductile bodies are recommended for working pressures over 3000 PSI.

\*\* Fluorocarbon seals are used when temperatures exceed 212° F (100° C).

## Typical Application

