

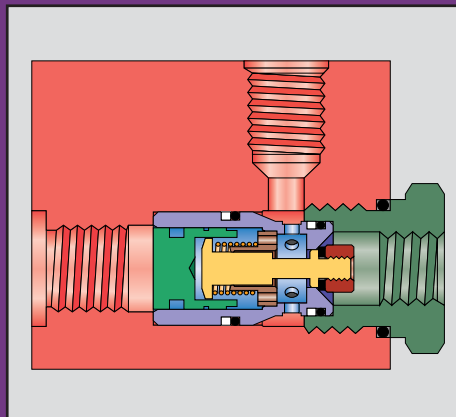
CAV Single Pilot Check Valve



- ◆ 3500 psi (241 bar), 5000 psi (345 bar) intermittently
- ◆ Flow rates to 50 gpm (189 l/min)
- ◆ Anodized aluminum blocks, plated steel cartridges
- ◆ Three standard spring pressures
- ◆ Three sizes based on flow
- ◆ Pilot ratio - 4:1

Features

The CAV single pilot check valve contains a standard CAC cartridge in a red anodized aluminum block with NPSF or SAE porting to 1". Units are available with three standard cracking pressures of 15 psi (1 bar), 25 psi (1.7 bar), or 60 psi (4 bar).



*Dimensions and Specifications

| Model | | A | B | C | D | E | F | G | H | J | K | L | M |
|----------------------------|-----|-------|------|------|------|------|------|------|------|------|------|------|------|
| CAV 10 1/4" & 3/8" | IN. | 2.77 | 2.40 | 2.00 | 1.25 | .63 | 1.38 | .69 | 1.00 | 1.50 | .65 | .50 | .34 |
| | MM | 70.4 | 61.0 | 50.8 | 31.8 | 16.0 | 35.1 | 17.5 | 25.4 | 38.1 | 16.5 | 12.7 | 8.6 |
| CAV 10 1/2" | IN. | 3.41 | 2.40 | 2.00 | 1.25 | .63 | 1.38 | .69 | 1.00 | 1.50 | .65 | .50 | .34 |
| | MM | 86.6 | 61.0 | 50.8 | 31.8 | 16.0 | 35.1 | 17.5 | 25.4 | 38.1 | 16.5 | 12.7 | 8.6 |
| CAV 25 3/8", 1/2", 3/4" | IN. | 3.73 | 3.15 | 2.00 | 1.50 | .75 | 1.25 | .86 | 1.19 | 1.80 | 1.00 | .30 | .41 |
| | MM | 94.7 | 80.0 | 50.8 | 38.1 | 19.0 | 31.8 | 21.8 | 30.2 | 45.7 | 25.4 | 7.6 | 10.4 |
| CAV 25 3/4 SAE | IN. | 4.55 | 3.43 | 2.50 | 1.50 | .75 | 1.75 | .85 | 1.38 | 1.88 | 1.25 | .75 | .41 |
| | MM | 115.6 | 87.1 | 63.5 | 38.1 | 19.0 | 44.5 | 21.6 | 35.1 | 47.8 | 31.8 | 19.0 | 10.4 |
| CAV 50 | IN. | 4.55 | 3.65 | 3.00 | 2.00 | 1.00 | 2.00 | .96 | 1.75 | 2.25 | 1.00 | .50 | .41 |
| | MM | 115.6 | 92.7 | 76.2 | 50.8 | 25.4 | 50.8 | 24.4 | 44.5 | 57.2 | 25.4 | 12.7 | 10.4 |

Adaptor Torque

CAV 10 = 180 lbf. In. (20.3 N.m)

CAV 25 = 480 lbf. In. (54.2 N.m)

CAV 50 = 750 lbf. In. (85.0 N.m)

Flow Direction:

