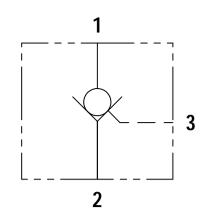
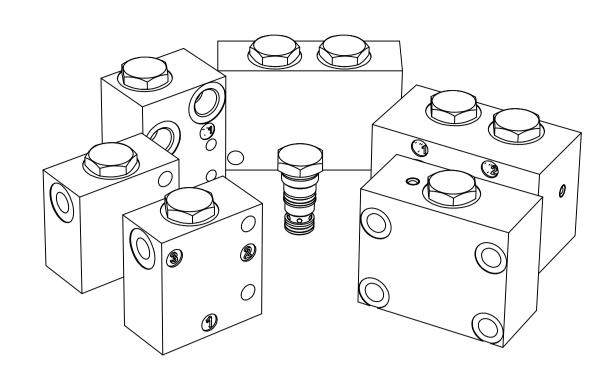


FLUID POWER SYMBOL





APPLICATION

Pilot check valves allow flow to pass in one direction, with a low pressure drop, then prevent reverse flow until pilot pressure is applied. There are many applications for this valve type, the most common being to lock and hold a cylinder, or another hydraulic actuator, in position. The CK35 is a small cartridge valve and is ideally suited for fitting directly into a cylinder, giving economy of installation, direct control of cylinder movement and ease of servicing.

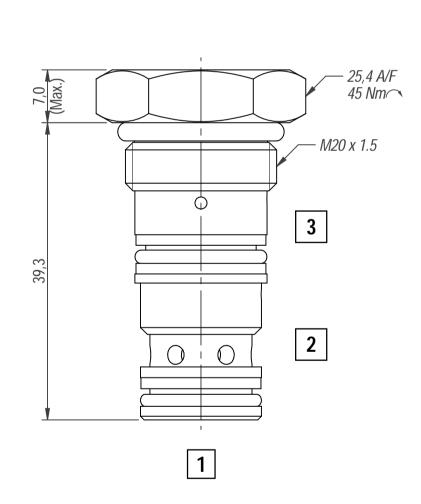
OPERATION

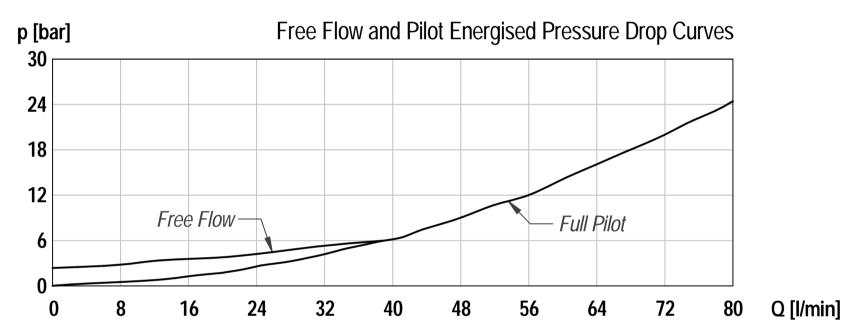
FEATURES

Pressure on the valve port causes the poppet to lift Hardened and ground poppet gives excellent flow against the spring force, allowing the flow to the capability for valve size, positive sealing and long cylinder port. Reverse flow is prevented by the poppet working life. Cartridge construction allows installation in reseating. Pressure applied to the pilot port will actuators, manifold blocks and hydraulic Integrated overcome the cylinder port pressure and lift the poppet Circuits. The valve fits the same cavity as the from its seat, allowing flow from the cylinder to valve counterbalance valve. Seal on piston prevents leakage between Port 2 and Port 3.

DIMENSIONS

CHARACTERISTICS. Figures Based on: Oil Temp = 40'C, Viscosity = 40 cSt





General Specifications

Description Construction Mounting

Manifold Material

Cavity Number

pilot check valve

Screw-in Cartridge Construction for Cavity M20 x 1.5 screw thread for cartridge

Threaded ports for housings. any

Installation Position Tightening Torque Ambient Temp. **Cartridge Material**

45 Nm -20°C to +50°C

Working parts: Hardened, ground steel

External surfaces: Zinc plated Aluminium or SG Iron (Refer Cavities Section)

CK35 Cartridge: Weight 0.08 kg CK 35 3W N 3: 0.37 kg CK 35 3W N 3 IN1: 0.42 kg

TH6610

CK2 35 3W N 3: 0.67 kg CKG 35 3W N 3: 1.52 kg CKG2 35 3W N 3: 0.88 kg **Hydraulic Specifications**

Hydraulic Fluid Mineral oils. Contact sales office for other fluids.

Max. Pressure 350 bar **Rated Flow** 35 lpm

Max. Contamination Level BS5540/4 Class 18/16/13 (25µ nominal)

Viscosity Range 5 to 500 cSt

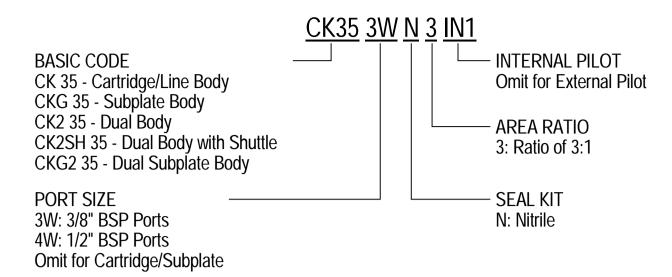
Leakage Flow Less than 0.3 ml/min (5 dpm) Hydraulic Fluid Temp. -20°C to +90°C (Standard Seals)

Line/Subplate Mounting 400 bar Peak Pressure Max. Flow 60 lpm SKCK35 (Nitrile) Seal Kit Number

Viscosity Range 5 to 500 cSt

years in CARTRIDGE VALVES

ORDERING CODE



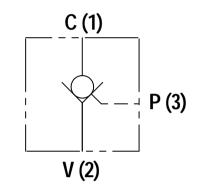
DIMENSIONS

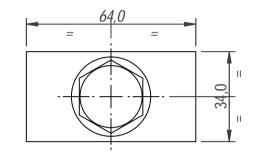
BASIC CODE: CK35 3W N 3

ONLY Body Part Numbers

Aluminium SG Iron

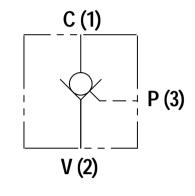
3/8" BSPP - Z10386 3/8" BSPP - Z10386S

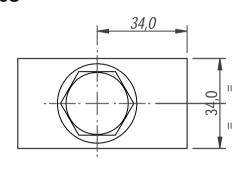


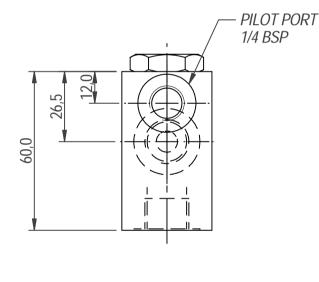


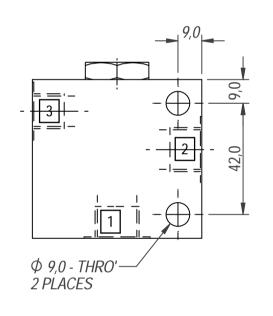
DIMENSIONS

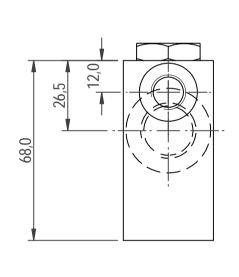
BASIC CODE: CK35 4W N 3
ONLY Body Part Numbers
Aluminium SG Iron
1/2" BSPP - Z10435 1/2" BSPP - Z10435S

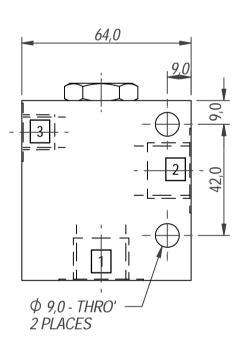






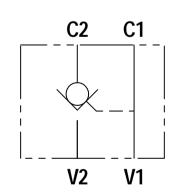


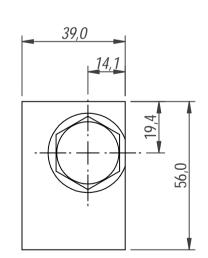




DIMENSIONS

BASIC CODE: CK35 3W N 3 IN1 (Internal Pilot)
ONLY Body Part Numbers
Aluminium SG Iron
3/8" BSPP - Z10331 3/8" BSPP - Z10331S

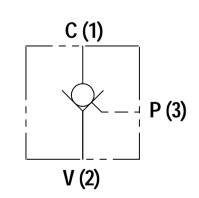


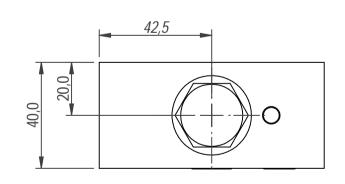


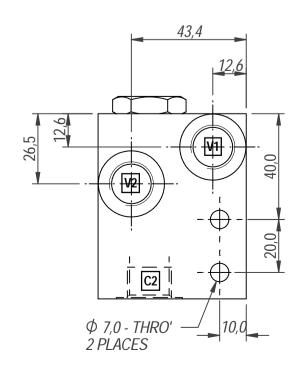
DIMENSIONS

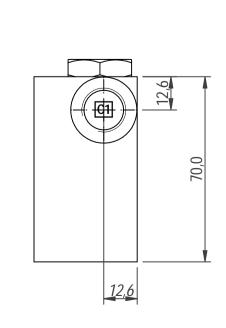
BASIC CODE: CKG 35 N 3

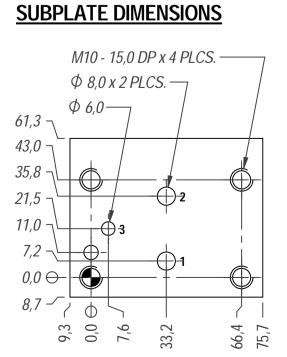
ONLY Body Part Numbers
Aluminium SG Iron
- Subplate - Z10380

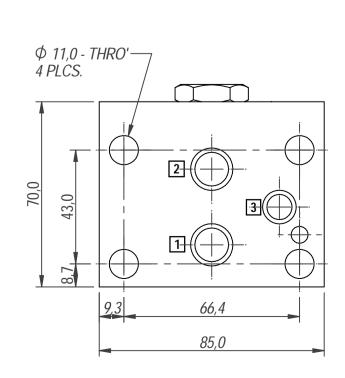










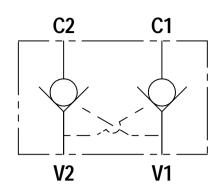


CK 35

DIMENSIONS

BASIC CODE: CK2 35 3W N 3 **ONLY Body Part Numbers**

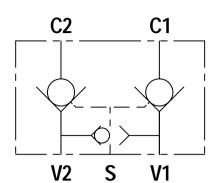
Aluminium 3/8" BSPP - Z10045 SG Iron 3/8" BSPP - Z10045S

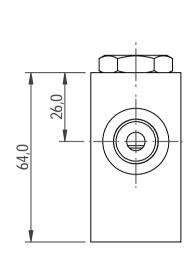


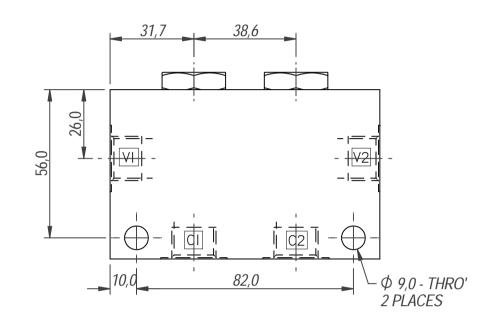
DIMENSIONS

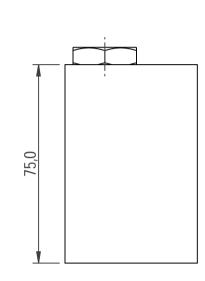
BASIC CODE: CK2SH 35 4W N 3 ONLY Body Part Numbers Aluminium SG 3/8" BSPP - Z10045 3/8"

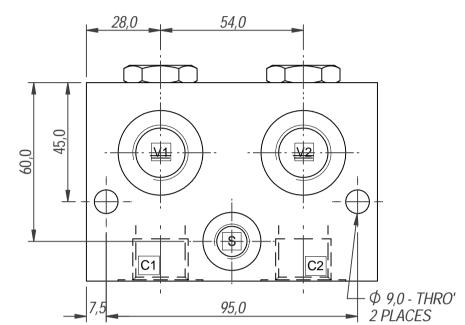
SG Iron 3/8" BSPP - Z10045S





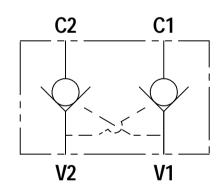


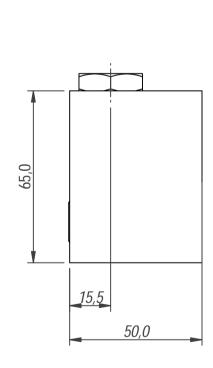


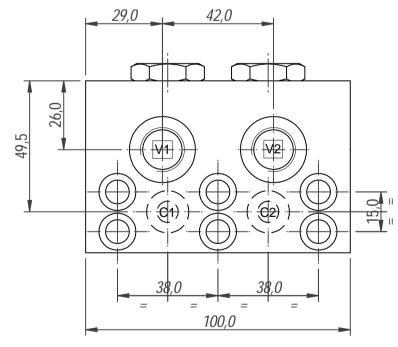


DIMENSIONS

BASIC CODE: CKG2 35 3W N 3 **ONLY Body Part Numbers** Aluminium SG Iron 3/8" BSPP - Z10045 3/8" BSPP - Z10045







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FLUID POWER SYMBOL

5

DIMENSIONS	CHARACTERISTICS. Figures Based on: Oil Temp = 40'C, Viscosity = 40 cSt





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