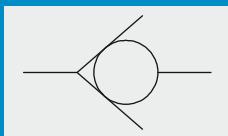
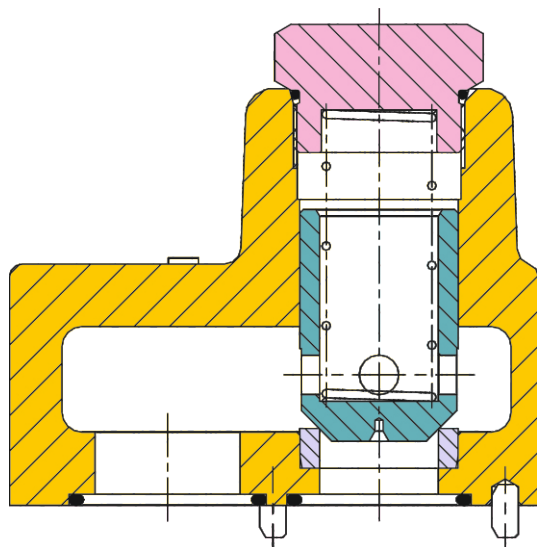


CHECK VALVE (GASKET CONNECTION)



SERIES - CV2



Basic Characteristics

Operating Pressure (maximum) - 210 bar (3000 psi)

Rated Capacity - **CV2 - 3/4** = 76 L/min

CV2 - 1-1/4 = 380 L/min

Mounting Subplate - **CV2 - 3/4** = VC20162

Approx. Weights

CV2 - 3/4 = 2.5 kg

CV2 - 1-1/4 = 6.1 kg

General Description

In Oil Hydraulic Circuits where a spring closed Check Valve is required to allow flow in one direction and to prevent flow in opposite direction. Internal parts are of hardened and ground alloy steel as required for continuous high pressure hydraulic service.

Recommended where a valve is required to check a high velocity reverse flow of fluid.

Mounting position valves are not limited because of spring closure constructions.

1. Figures in the pressure drop chart give approximate pressure drops (ΔP) when passing flow of 100 ssu fluid (s) having 0.865 specific gravity.

2. For any other viscosity the pressure drop (ΔP) will change as follows.

Other viscosity (s)	75	150	200	250	300	350	400
% of (ΔP) from table (app.)	93	111	119	126	132	137	141

3. For any other specific gravity (G_1)* the pressure drop (ΔP_1) will be approximately: $\Delta P_1 = \Delta P (G_1/G)$

* Specific gravity of fluid may be obtained from its producer. For fire resistant fluids, the value is higher than for oil.

Pressure Drop - CV2 - 3/4

Pressure Drop for Free Flow Across Check Valve	
Volume lit min	psi
38	7
76	15
114	25
150	35

Pressure Drop - CV2 - 1-1/4

Pressure Drop for Free Flow Across Check Valve	
Volume (GPM)	(psi)
25	8
50	12
75	16
100	22
125	30

ORDERING INFORMATION

CV 2 - * - * - *

1 2 3 4 5

1. Model Code - CV
2. Model Series - 2
3. Nominal Valve Size - • 3/4" • 1-1/4"
4. Connection Type - G = Gasket Connection

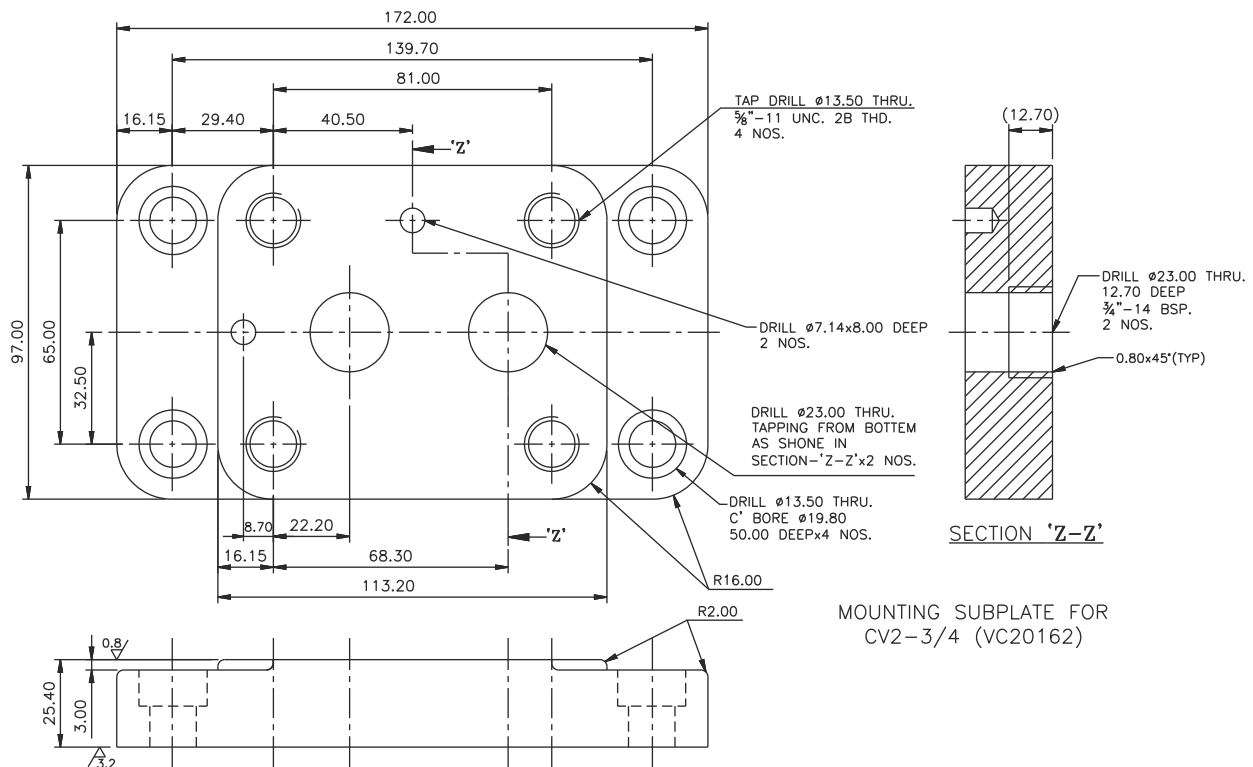
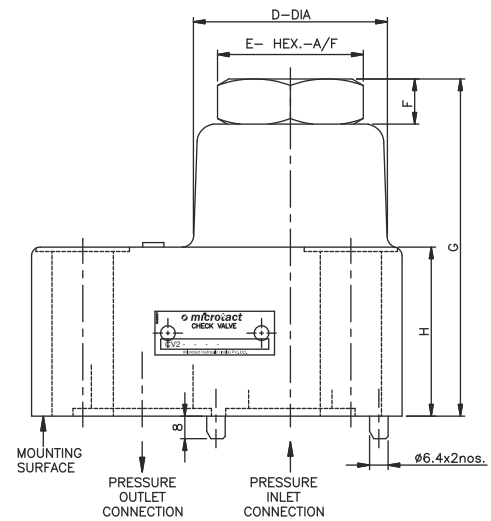
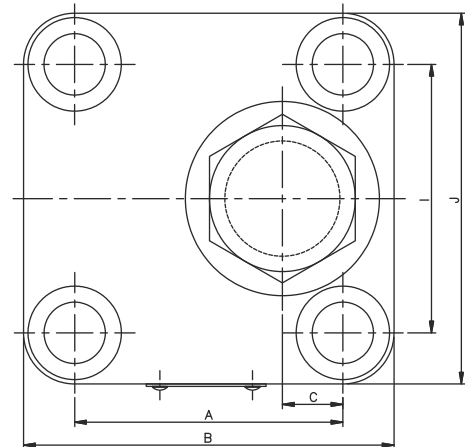
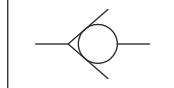
5. Cracking Pressure -	
H = 1 psi	HD = 50 psi
Y = 5 psi	YH = 75 psi
A = 20 psi	YI = 125 psi
HH = 35 psi	

Typical Model Code :- **CV2 - 3/4 - G - Y**
CV2 - 1- 1/4 - G - Y

ALL DIMENSIONS ARE IN mm.

Model Series	P-CONNECTION	A	B	C	D	E	F	G	H	I	J
CV2-3/4	3/4" BSP	81	113	22.6	50.8	41	12.1	77.3	38.3	65	97
CV2-1-1/4	1-1/4" BSP	92	127	20.7	66.5	50	15.5	115.5	58	92	127

GRAPHICAL SYMBOL



MOUNTING SUBPLATE FOR
CV2-3/4 (VC20162)