Technical Information

General Description.

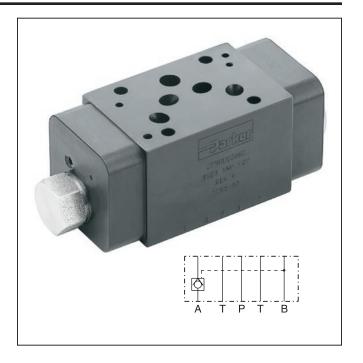
Series CP pilot operated check valves are designed for maximum flow rates.

The valves are typically used in combination with spool type directional control valves to ensure leak free positioning of the actuator.

The inlet flow is free while the outlet flow is blocked. Pressure in the inlet line opens the check valve and allows free outlet flow.

Features

- High life time.
- Check function in A, B or A + B.
- Sizes:
 - CP05 NFPA D05 / NG10 / CETOP 5
 - CP5H NFPA D05HE / NG10 / CETOP 5H
 - CP07 NFPA D07 / NG16 / CETOP 7
 - CP08 NFPA D08 / NG25 / CETOP 8



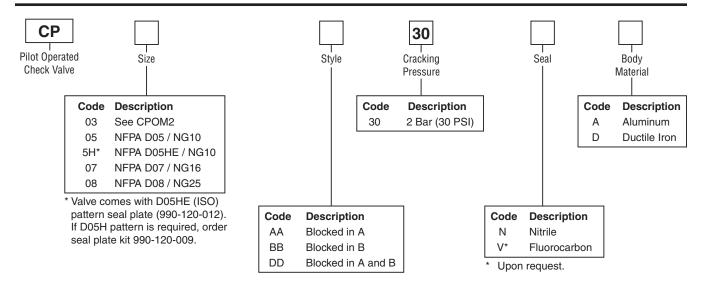
Specifications

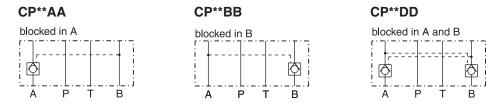
General								
Size	D05 / NG10	D05HE / NG10	D07 / NG16	D08 / NG25				
Mounting Position	Unrestricted							
Ambient Temperature Range	-20°C to +50°C (-4°F to +122°F)							
Hydraulic								
Maximum Operating Pressure	Aluminum Body – up to 207 Bar (3000 PSI); Ductile Iron Body – up to 345 Bar (5000 PSI)							
Nominal Flow	114 LPM (30 GPM)	114 LPM (30 GPM)	227 LPM (60 GPM)	454 LPM (120 GPM)				
Leakage	1 DPM	1 DPM	1 DPM	1 DPM				
Cracking Pressure	30 ± 0.2 Bar (3 PSI)							
Pilot Ratio	3:1	3:1	3:1	3:1				
Fluid Temperature	-20°C to +80°C (-4°F to +176°F)							
Viscosity Permitted Recommended	10 to 650 cSt / mm²/s (46 to 3013 SSU) 30 cSt / mm²/s (139 SSU)							
Filtration	ISO Class 4406 (1999) 18/16/13 (acc. NAS 1638: 7)							



Ordering Information

Sandwich Valves **Series CP**



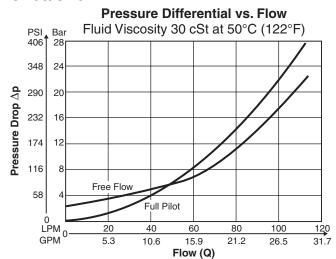


Weight:

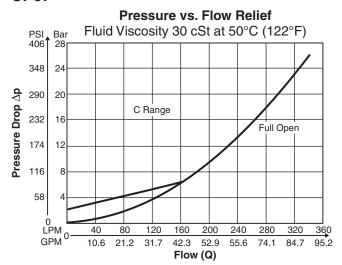
Size	CP**AA30NA	CP**AA30ND	CP**BB30NA	CP**BB30ND	CP**DD30NA	CP**DD30ND
CP05, CP5H	0.8 kg (1.8 lbs.)	1.7 kg (3.8 lbs.)	0.8 kg (1.8 lbs.)	1.7 kg (3.8 lbs.)	1.3 kg (2.9 lbs.)	2.7 kg (5.9 lbs.)
CP07	2.4 kg (5.4 lbs.)	5.3 kg (11.8 lbs.)	2.4 kg (5.3 lbs.)	5.2 kg (11.6 lbs.)	3.5 kg (7.6 lbs.)	7.2 kg (15.8 lbs.)
CP08	5.2 kg (11.4 lbs.)	11.6 kg (25.6 lbs.)	5.8 kg (12.7 lbs.)	13.1 kg (29 lbs.)	7.6 kg (16.7 lbs.)	15.9 kg (35.1 lbs.)

Bul HY14-2544-B3_CP.indd, ddp

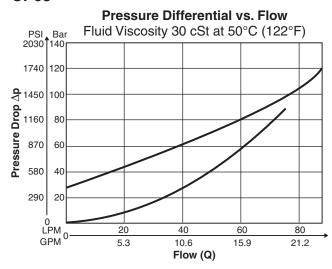
CP05/CP5H



CP07



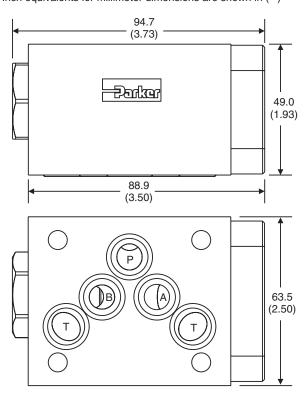
CP08





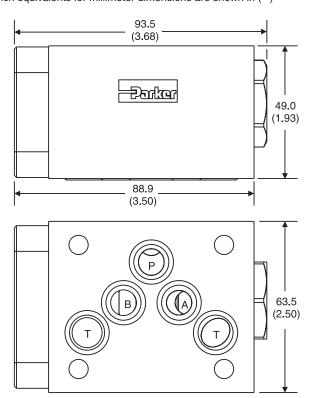
CP05AA

Inch equivalents for millimeter dimensions are shown in (**)

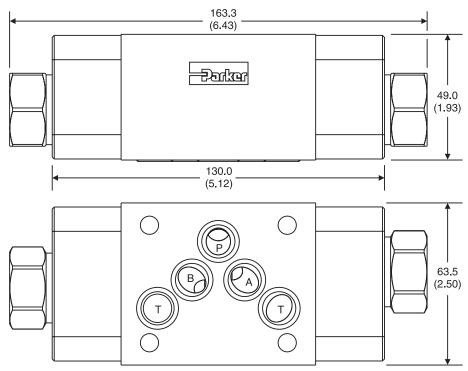


CP05BB

Inch equivalents for millimeter dimensions are shown in (**)



CP05DD — Inch equivalents for millimeter dimensions are shown in (**)

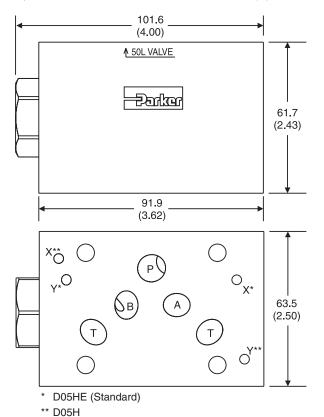






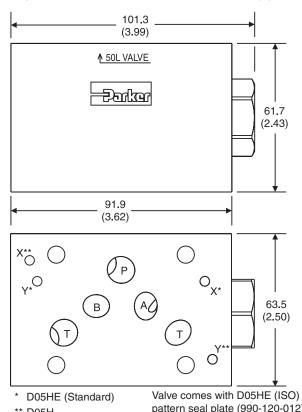
CP5HAA

Inch equivalents for millimeter dimensions are shown in (**)



CP5HBB

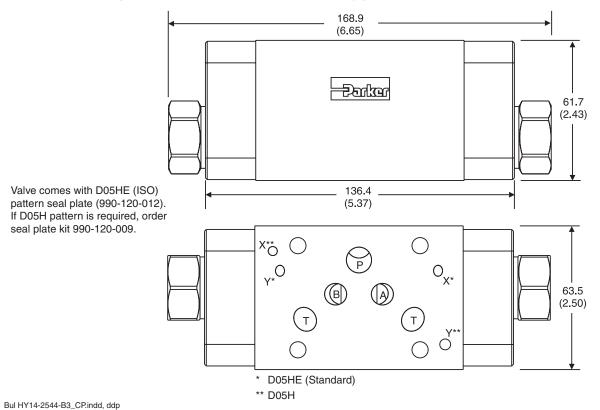
Inch equivalents for millimeter dimensions are shown in (**)



** D05H

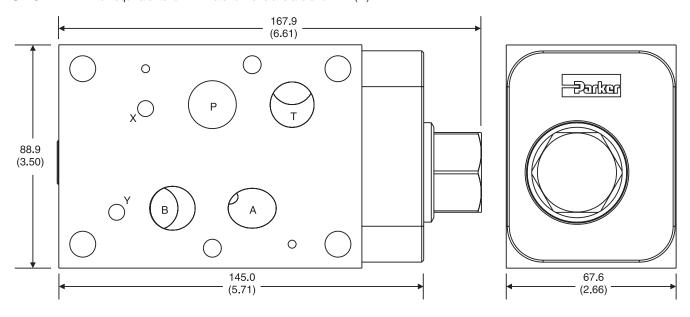
pattern seal plate (990-120-012). If D05H pattern is required, order seal plate kit 990-120-009.

CP5HDD - Inch equivalents for millimeter dimensions are shown in (**)

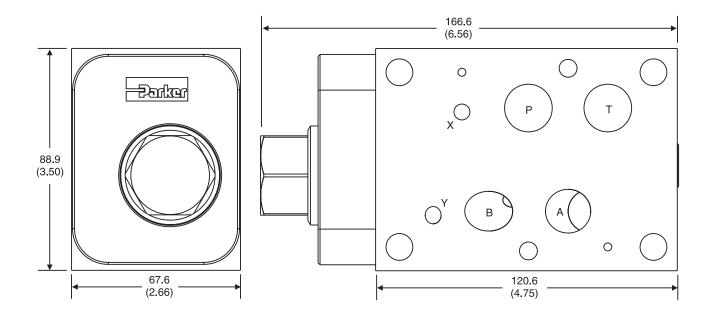




CP07AA — Inch equivalents for millimeter dimensions are shown in (**)



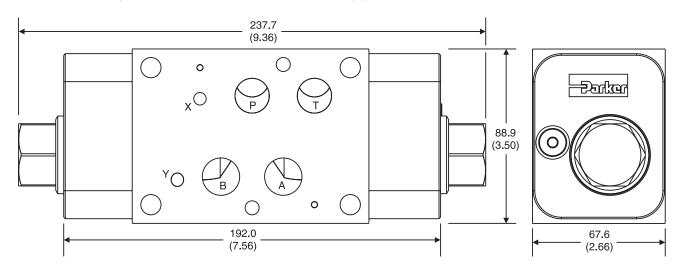
CP07BB - Inch equivalents for millimeter dimensions are shown in (**)



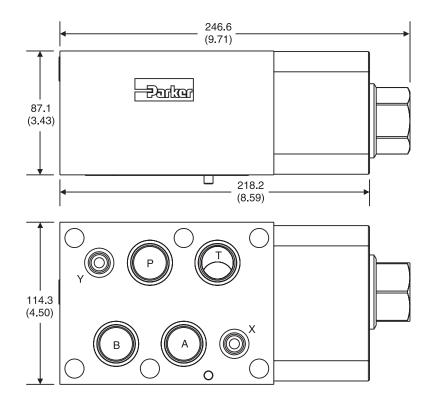




CP07DD - Inch equivalents for millimeter dimensions are shown in (**)



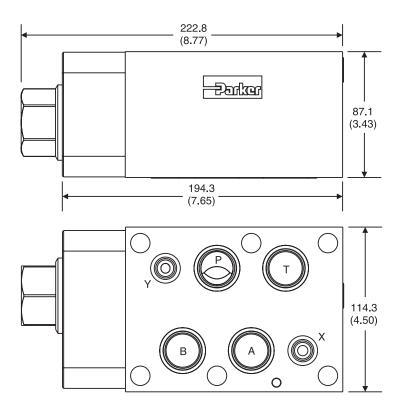
CP08AA - Inch equivalents for millimeter dimensions are shown in (**)



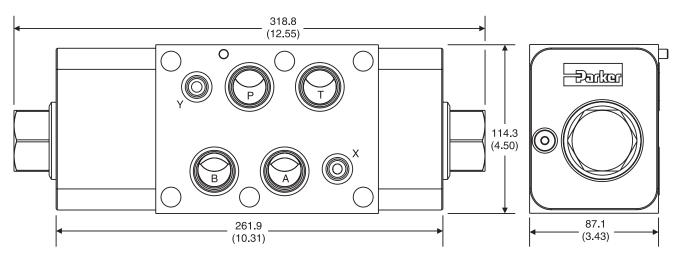




CP08BB - Inch equivalents for millimeter dimensions are shown in (**)



 ${\ensuremath{\text{\textbf{CP08DD}}}}$ — Inch equivalents for millimeter dimensions are shown in (**)







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