



A Polyhydon Group Company

CHECK VALVE C

ENGINEERING

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Ref. No. P04903

Release 08/2013

Description

Seat type Check valves.

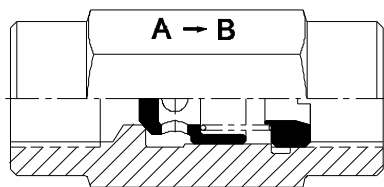
Allow free flow from Port A to Port B and offer leakage free closure in opposite direction.

Two standard mounting styles :

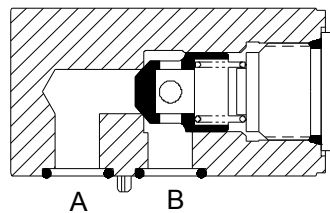
- 1) Line mounting C*T
- 2) Subplate mounting C*S



Section



Line mounting valve



Subplate mounting valve

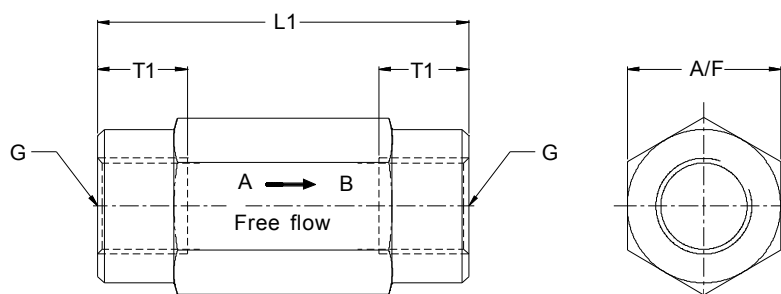


Hydraulic Symbol

Unit Dimensions

Line mounting valve

Dimensions in mm.



Size	G	L1	T1	A/F
06	G1/4	58	12	19
08	G3/8	58	12	24
10	G1/2	72	14	30
15	G3/4	85	16	36
20	G1	98	18	46
25	G1-1/4	120	20	60
30	G1-1/2	132	22	65

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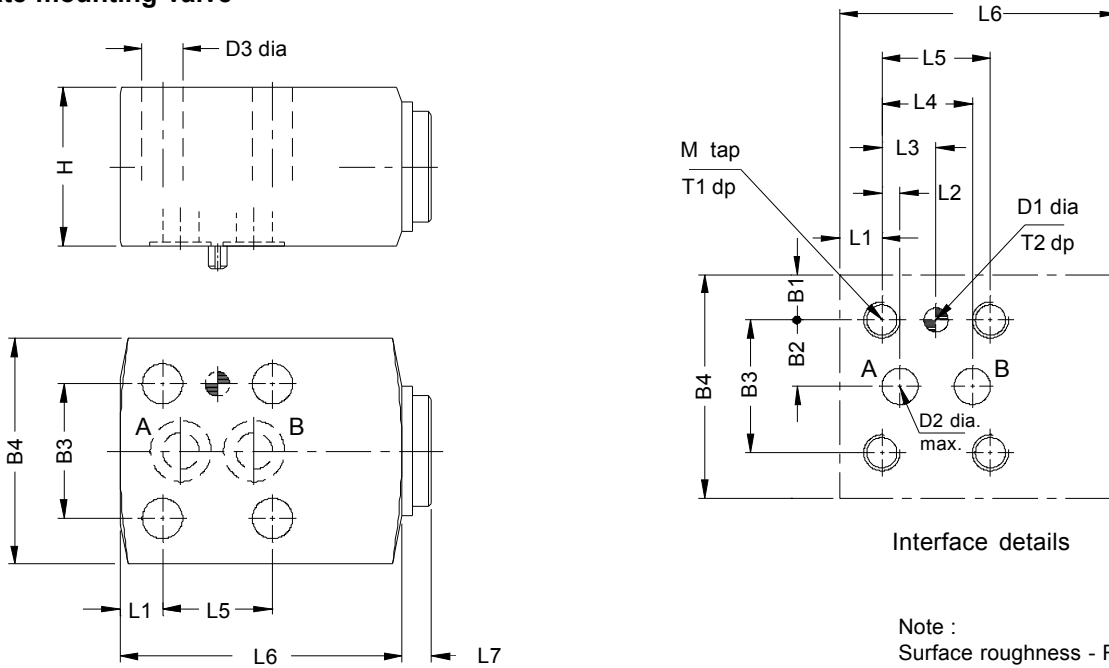
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Subplate mounting valve



Note :
Surface roughness - Ra ≤ 0.8 μm
Surface flatness-0.01/100 mm.

Size	L1	L2	L3	L4	L5	L6	L7	H	B1	B2	B3	B4	D1 dia	T1	D2 dia	T2	D3 dia	M Valve fixing SHCS screws	Tightening torque
06	7	3	9	15	18	45	6	26	7.5	11	22	37	4	12	6	5	6.6	M6	15 Nm
10	9	6	16.5	27	33	68	6	38	9.5	18	36	55	4	14	11	5	9	M8	30 Nm
20	10	10	27.5	45	55	95	7	55	10	25	50	70	7	19	22	8	11	M10	70 Nm
30	15	20	42.5	65	85	132	10	82	12.5	37.5	75	100	7	22	31	8	14	M12	120 Nm

Technical specifications

Construction	Seat type.
Mounting	Line or Subplate mounting.
Interface	Factory standard.
Mounting position	Optional.
Flow direction	Free flow from A to B leakfree closure in opposite direction.
Operating pressure	350 bar for size 06, 08, 10, 15, 20, 25 & 30.
Hydraulic medium	Mineral oil.
Viscosity range	10 cSt to 380 cSt.
Fluid temperature range	-20 °C to +70 °C.
Fluid cleanliness requirement	ISO 4406 20/18/15 or better.

Nominal flow handling capacity

Size	06	08	10	15	20	25	30
Flow (l/min)	15	20	30	80	140	220	280

Cracking pressure available

0, 0.5, 1.5, 3 or 5 bar.

Mass in kg. (Line mounting)

Size	06	08	10	15	20	25	30
Mass kg.	0.1	0.16	0.31	0.46	0.95	1.88	2.3

(Subplate Mounting)

Size	06	10	20	30
Mass kg.	0.3	1	2.8	8.15



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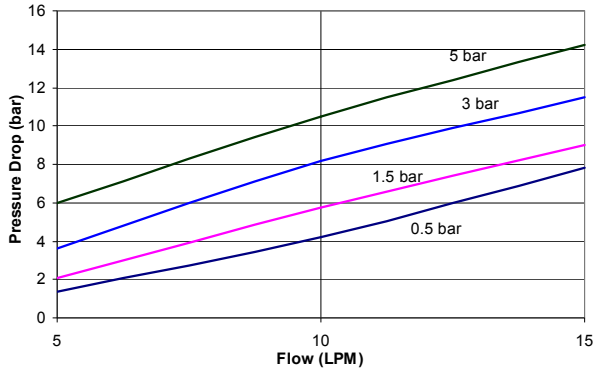
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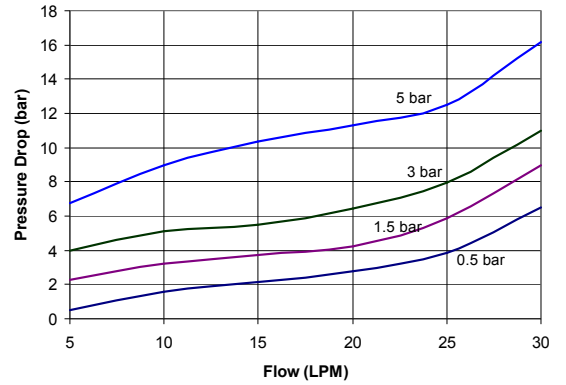
Ref. No. P04903

Performance curve Oil used : ISO VG 46. Test Temp 40 deg. C

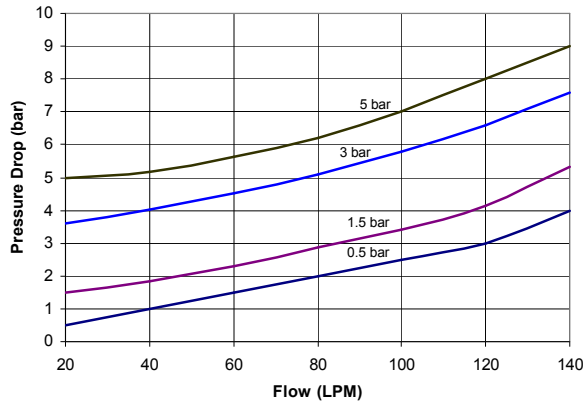
Check Valve C06S*-03



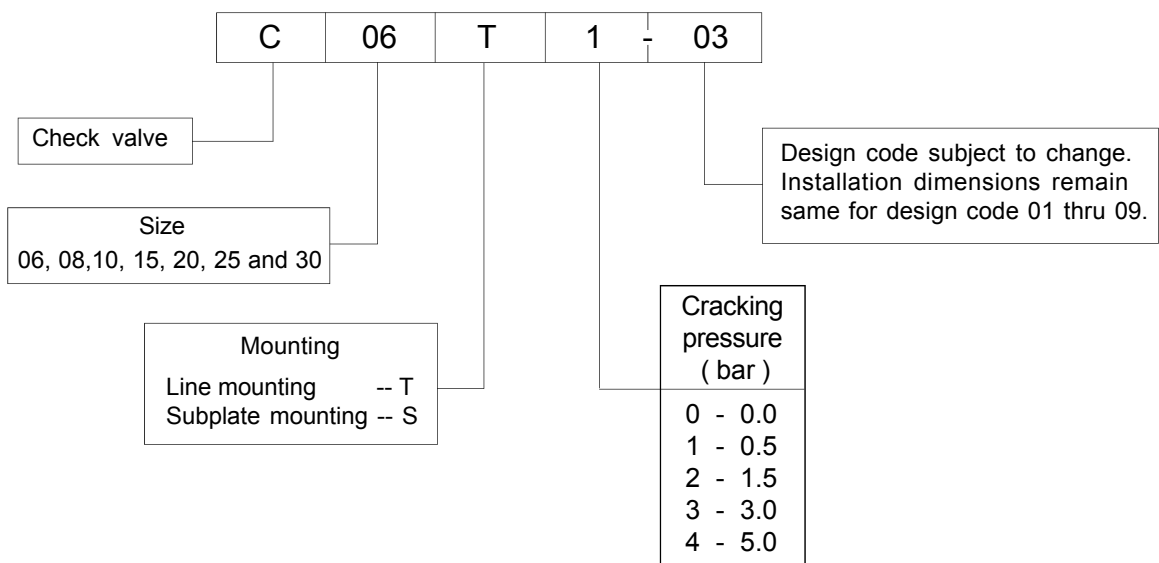
Check Valve C10S*-03



Check Valve C20S*-03



Ordering code



Note : Subplate type valves are available only in Size 06, 10, 20 and 30.

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Subject to revision.



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