



A Polyhydron Group Company

## CHECK VALVE Model : C\*\*\*

Ref. No. D 04903  
Release: 01 / 2018

ENGINEERING - 1 of 4

### Description

Check valve models C\*\*\* allow free flow in the direction from Port A to Port B and offer leak free closure in opposite direction.

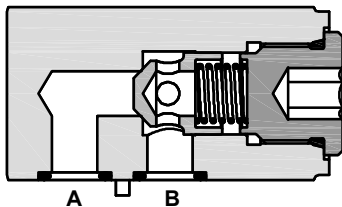
Two standard mounting styles are available:

- Line mounting C\*T.
- Subplate mounting C\*S.

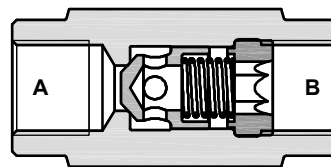


### Section

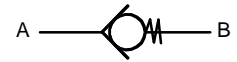
Subplate body



Threaded body



### Hydraulic symbol



### Technical specifications

Construction	:	Seat type valve.
Mounting style	:	Threaded port or subplate mounting.
Mounting interface	:	Factory standard.
Mounting position	:	Optional.
Flow direction	:	Free flow from A to B, Leakfree closure in opposite direction.
Cracking pressure	:	0, 0.5, 1.5, 3 and 5 bar.
Working pressure	:	315 bar for Ports A and B .
Hydraulic medium	:	Mineral oil.
Temperature range	:	-20°C to + 80°C.
Viscosity range	:	10 cSt to 380 cSt.
Fluid cleanliness required	:	ISO 4406 20/18/15 or better.
Max. flow handling capacity	:	Refer graphs.
Mass approx.	:	
(Subplate mounting)	:	Model : 06 08 10 15 20 25 30
	:	in Kg : 0.1 0.15 0.3 0.45 0.9 2 2.4
(Line mounting)	:	Model : 06 10 20 30
	:	in Kg : 0.3 1 2.4 7.2

**polyhydron pvt. ltd.**

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Machhe, Belgaum - 590 014. INDIA.

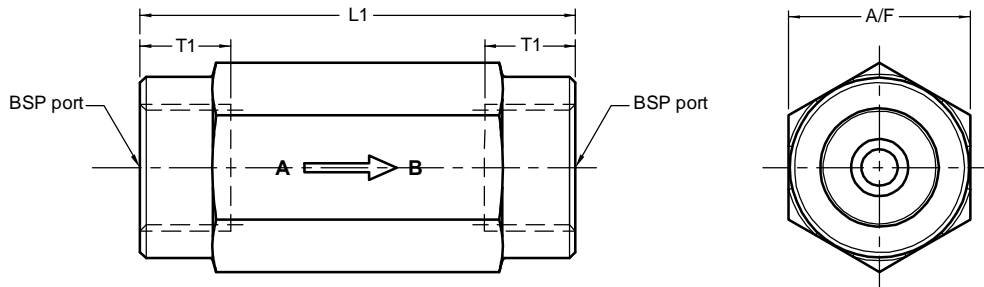
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Unit dimensions

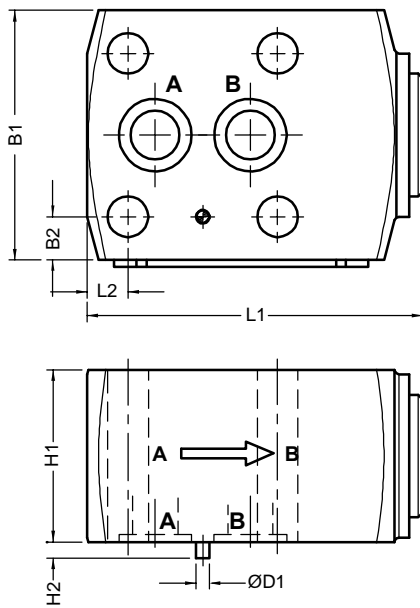
Dimensions in mm.

Threaded port body

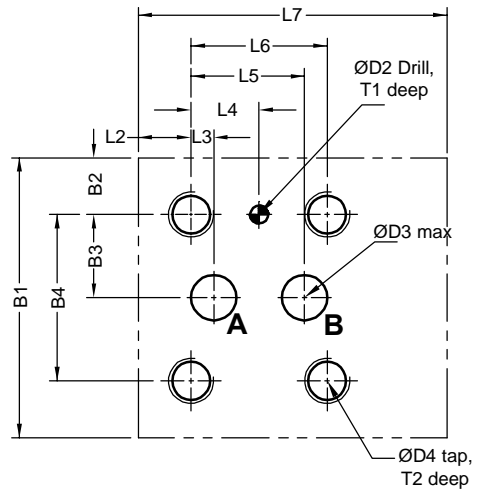


Size	06	08	10	15	20	25	30
BSP Port	G1/4	G3/8	G1/2	G3/4	G1	G1 1/4	G 1 1/2
L1	58	58	72	85	98	120	132
T1	12	12	14	16	18	20	22
A/F	19	24	30	36	46	60	65

Subplate mounting body



Subplate body mounting interface



Size	L1	L2	L3	L4	L5	L6	L7	B1	B2	B3	B4	H1	H2	ØD1	ØD2	ØD3 max	ØD4	T1	T2	Valve fixing S.H.C Screws Class 12.9	Tightening Torque Nm
06	51	7	3	9	15	18	45	37	7.5	11	22	26	3.5	3	4	6	M6	5	12	M6 x 35L 4 nos	16
10	74	9	6	16.5	27	33	68	55	9.5	18	36	38	3.5	3	4	11	M8	5	14	M8 x 50L 4 nos	39
20	102	10	10	27.5	45	55	95	70	10	25	50	55	5.5	6	7	22	M10	8	19	M10 x 70L 4 nos	77
30	139	15	20	42.5	65	85	132	100	12.5	37.5	75	82	5.5	6	7	31	M12	8	22	M12 x 100L 4 nos	135



Ordering code

**C 06 T 1 - 03**

Check valve

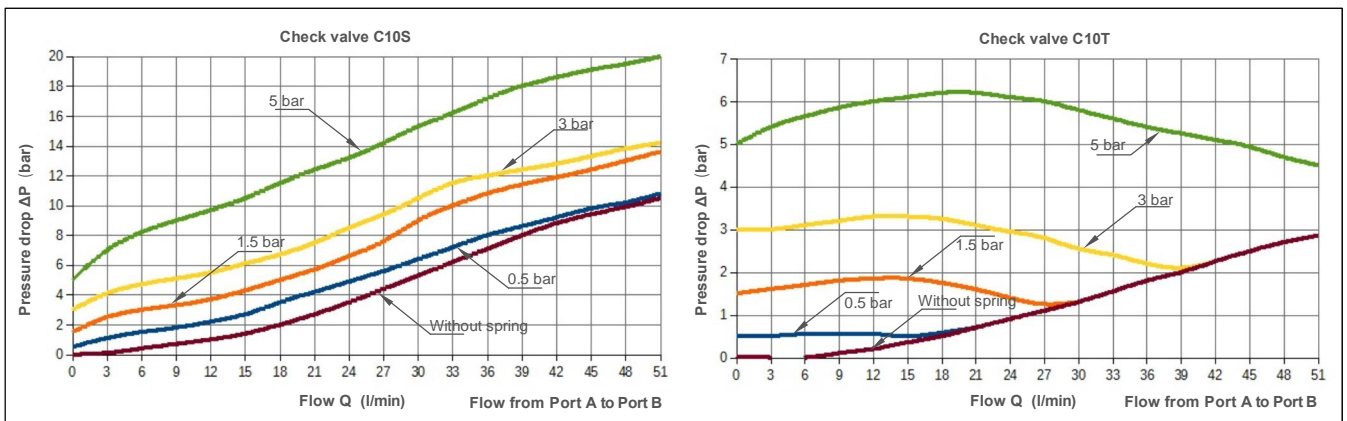
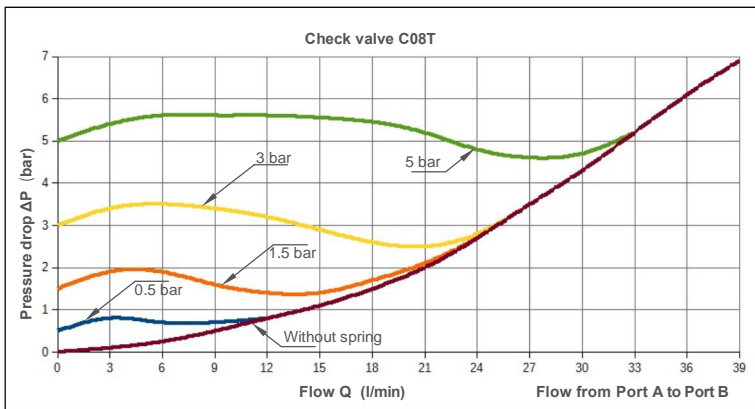
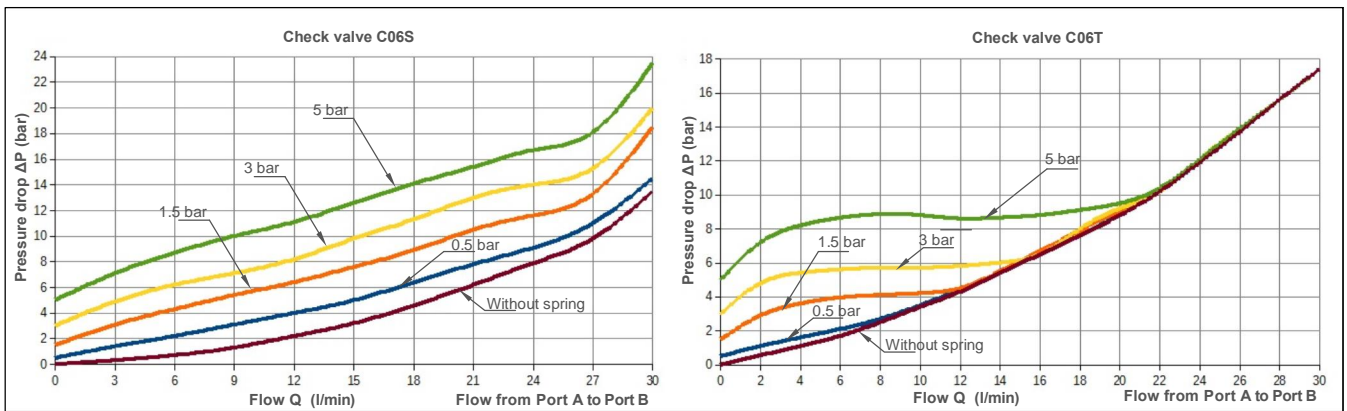
Port size		
Threaded body	Subplate mounting	Size
G1/4	Ø 06 max	<b>06</b>
G3/8	---	<b>08</b>
G1/2	Ø 11 max	<b>10</b>
G3/4	---	<b>15</b>
G1	Ø 22 max	<b>20</b>
G1 1/4	---	<b>25</b>
G1 1/2	Ø 31 max	<b>30</b>

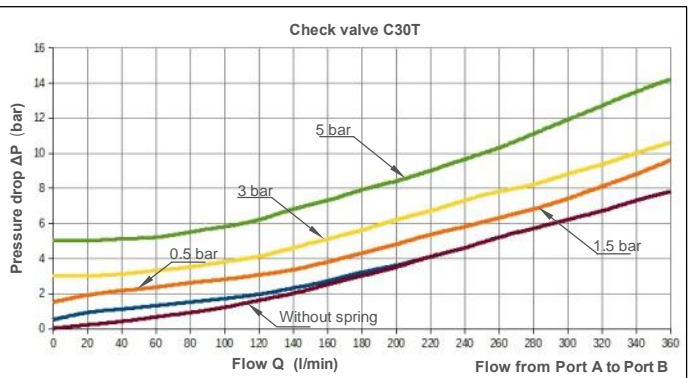
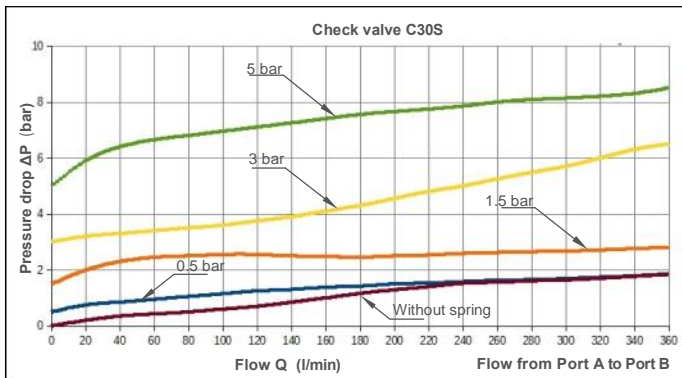
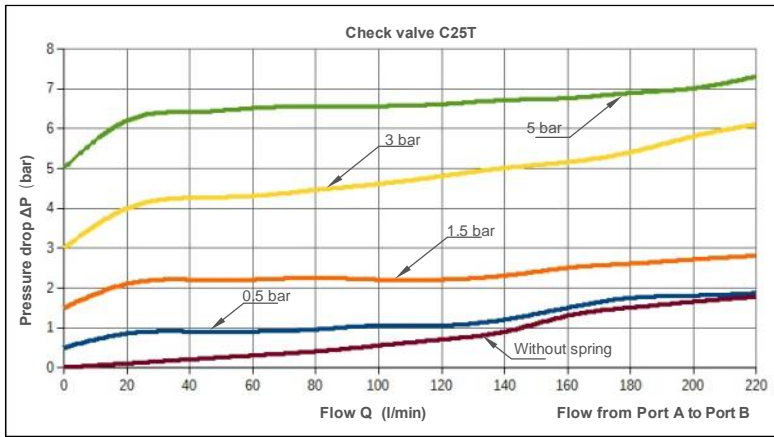
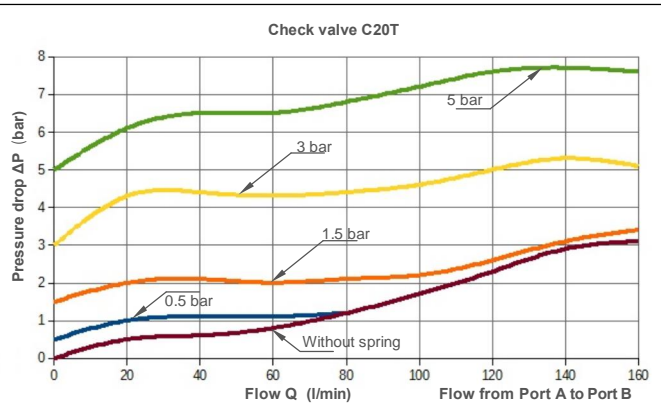
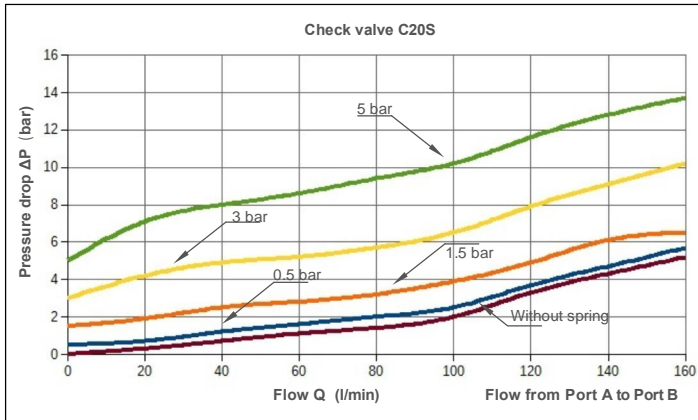
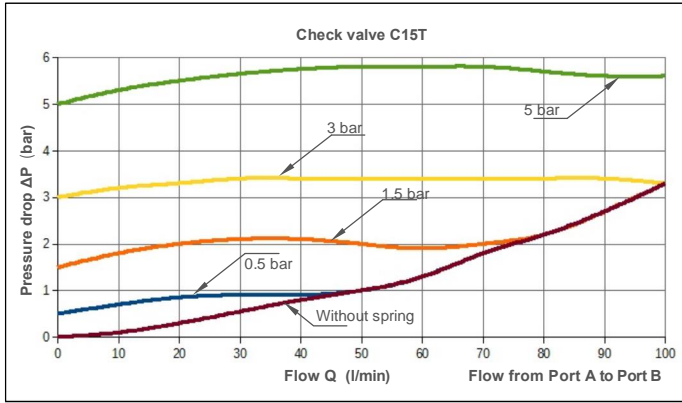
Design code subjected to Change .  
installation dimensions remain  
same for design code 09 thru 19.

Cracking pressure (bar)				
0	1	2	3	4
0.0	0.5	1.5	3.0	5.0

<b>S</b>	Subplate mounting body
<b>T</b>	Threaded port body

Performance graph





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Subject to change without prior notice.  
Due to continuous improvement in the design of the product, the actual product supplied may look different than shown above.  
For critical applications, please ask for certified installation drawing.