



# COUNTER BALANCE VALVE

## Model : CBS\*T\*

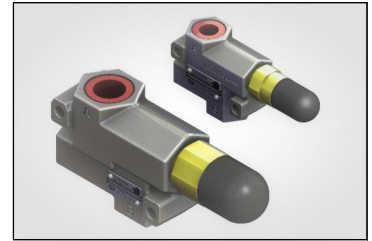
Ref. No. D 02241  
Release: 11 / 2022

ENGINEERING - 1 of 2

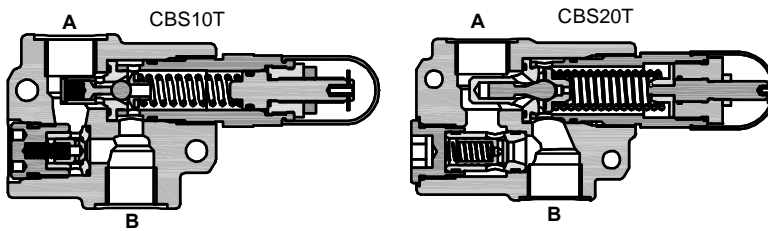
A Polyhydron Group Company

### Description

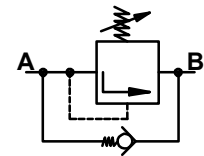
Counter balance valves CBS\*T\* are seat type valves. They offer free flow from their port B to Port A and give leak free closure in opposite direction upto a predetermined cracking pressure. The predetermined cracking pressure can be adjusted within its maximum specified range.



### Section



### Hydraulic symbol

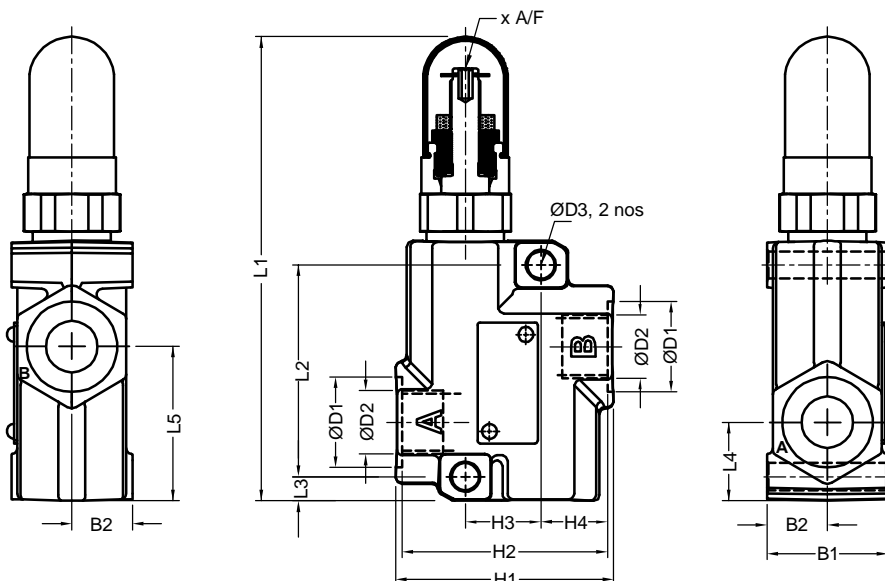


### Technical specifications

Construction	:	Direct acting , Seat type, Internally pilot operated.	
Mounting style	:	Threaded port body	
Flow direction	:	Free flow from B to A	
	:	Piloted flow in opposite direction.	
Cracking pressure	:	Refer ordering code.	
Working pressure	:	315 bar for all Ports.	
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	:	Model CBS10T	CBS20T
		in l/min.	30                      115
Mass approx.	:	Model CBS10T	CBS20T
		in Kg.	1.3                      4.0

### Unit dimensions

Dimensions in mm.



Size	10	20
L1	154	226
L2	70	110
L3	8	11
L4	26	41
L5	51	86
B1	40	60
B2	20	30
H1	72	100
H2	68	96
H3	25	50
H4	22	23
ØD1	G1/2	G1
ØD2	30	44
ØD3	9	11
x A/F	4	5

Note : Valve mounting screws are out of scope of supply.



**polyhydron pvt. ltd.**

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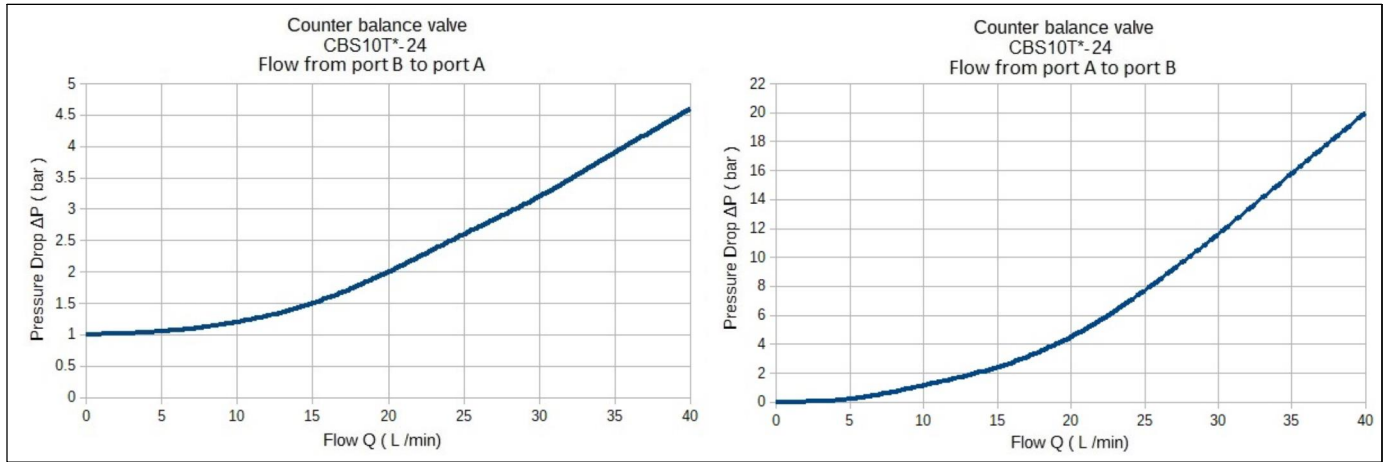
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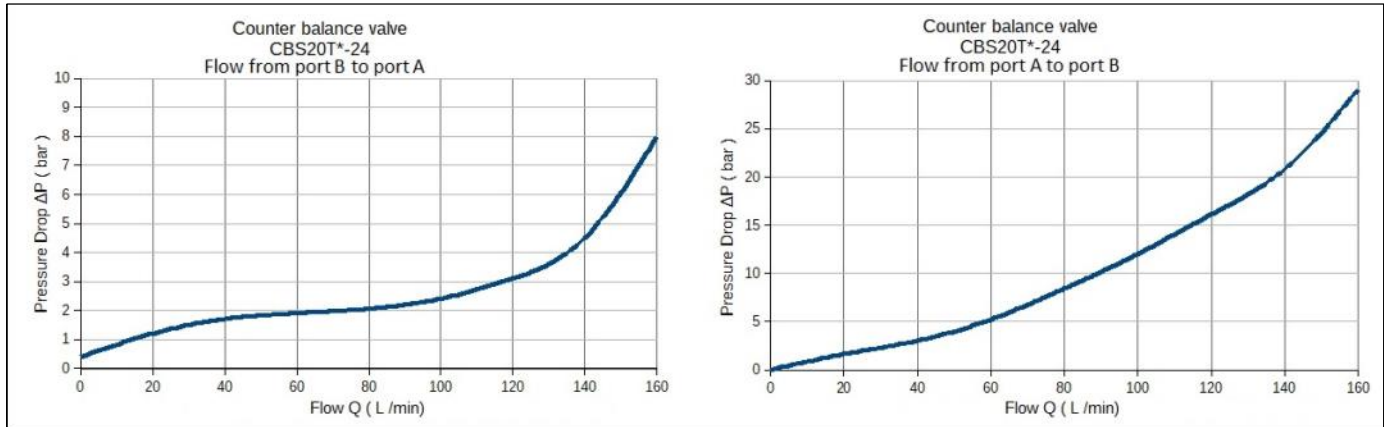
**Performance graph**

Grade of Oil used VG46 at 30°C temperature.

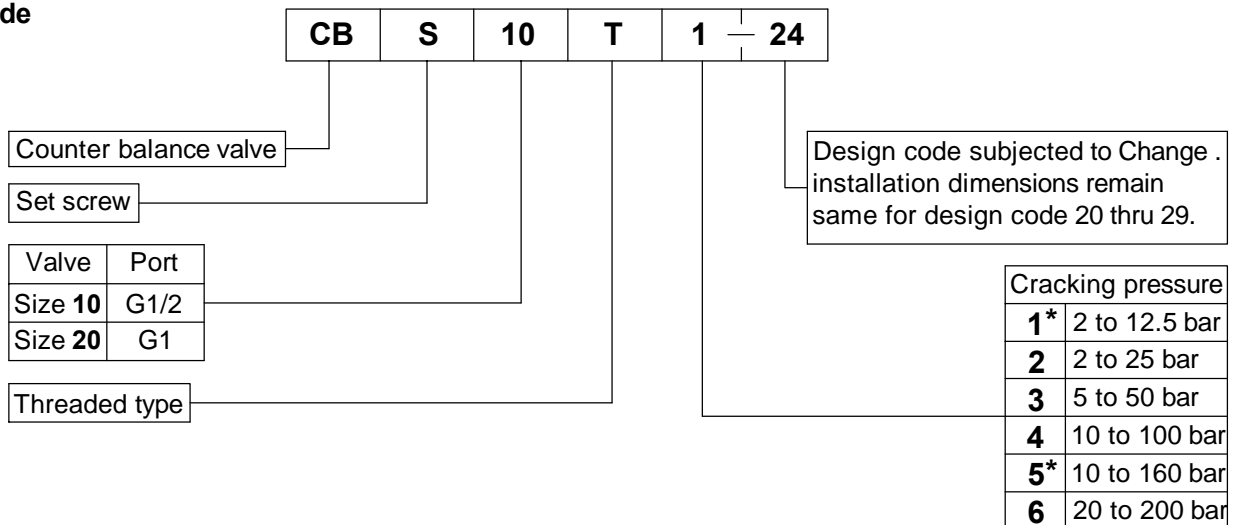
**CBS10T\*-24**



**CBS20T\*-24**



**Ordering code**



**Note :** Cracking pressure marked with are \* not available in valve size 20.

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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.