



# COUNTER BALANCE VALVE

## Model : CBS20 (30 Series)

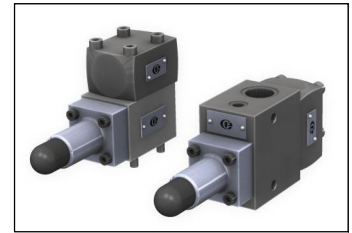
Ref. No. D 03449  
Release: 10 / 2023

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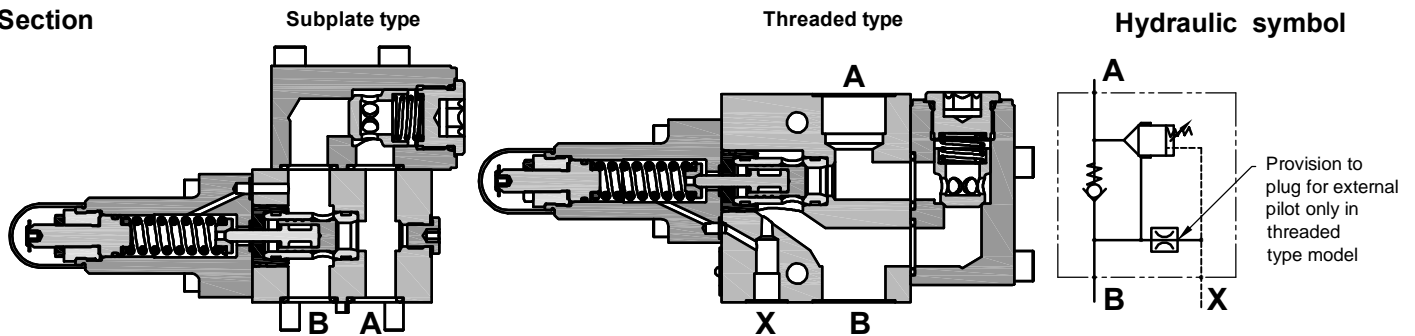
A Polyhydron Group Company

### Description

Counter balance valves CBS20\*\*\* are seat type valves. These offer free flow from 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. For higher cracking pressure or external leakage drain, Port X can be used.



### Section

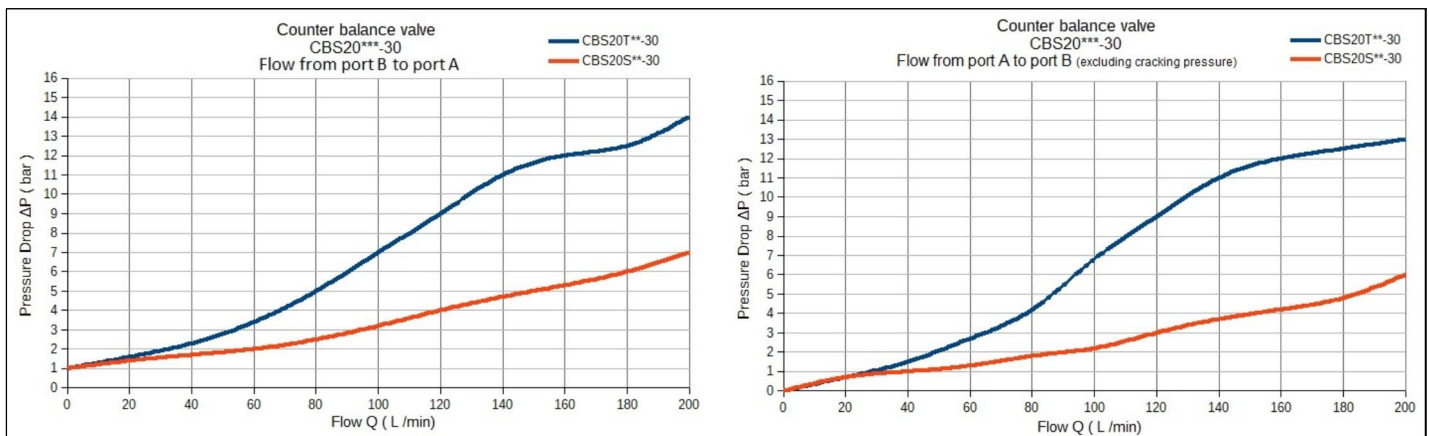


### Technical specifications

Construction	:	Direct acting , Seat type.
Mounting style	:	Threaded port body and subplate body
Flow direction	:	Free flow from B to A
Cracking pressure of counter balance function	:	Counter balance function from port A to port B.
Working pressure	:	Refer ordering code.
Hydraulic medium	:	315 bar for all Ports.
Temperature range	:	Mineral oil.
Viscosity range	:	-20°C to + 80°C.
Fluid cleanliness required	:	10 cSt to 380 cSt.
Max. flow handling capacity	:	ISO 4406 20/18/15 or better.
Mass approx.	:	200 l/min max.
	:	Model CBS20T CBS20S
	:	in Kg. 8.6 6.9

### Performance graph

Oil grade used VG46 at 30°C



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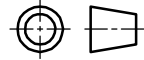
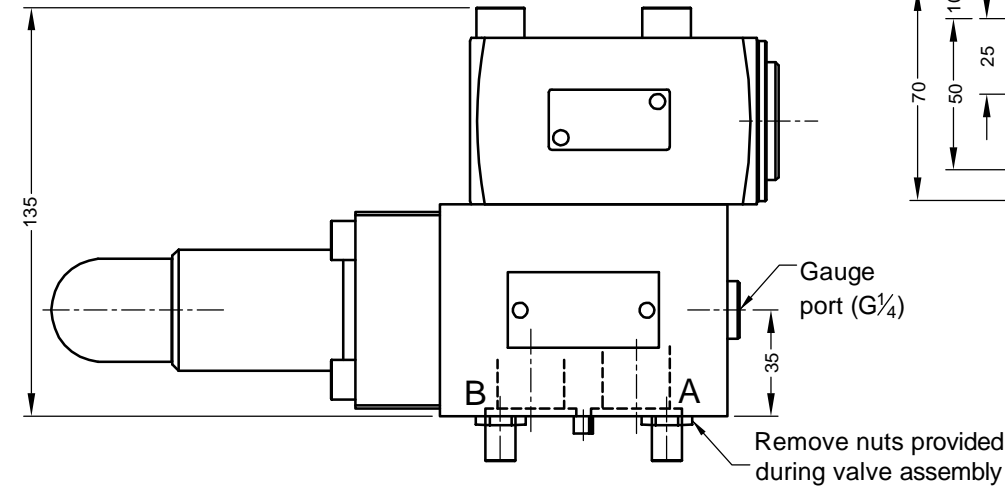
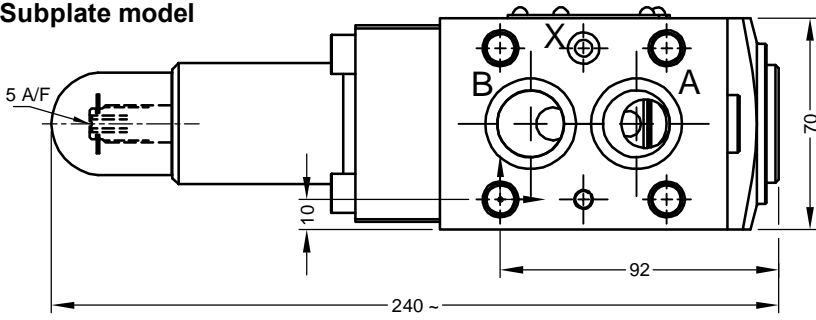
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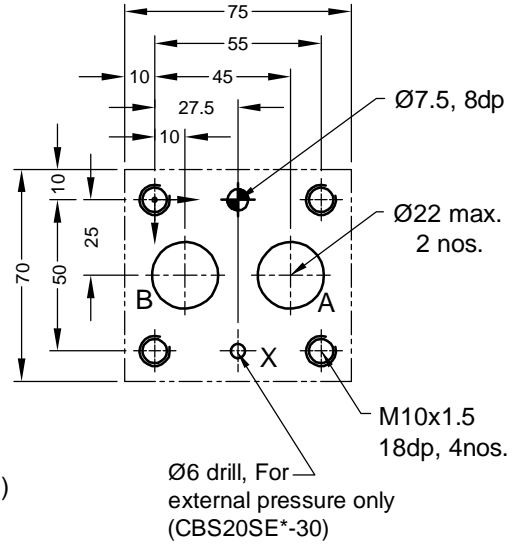
Unit dimensions

Subplate model

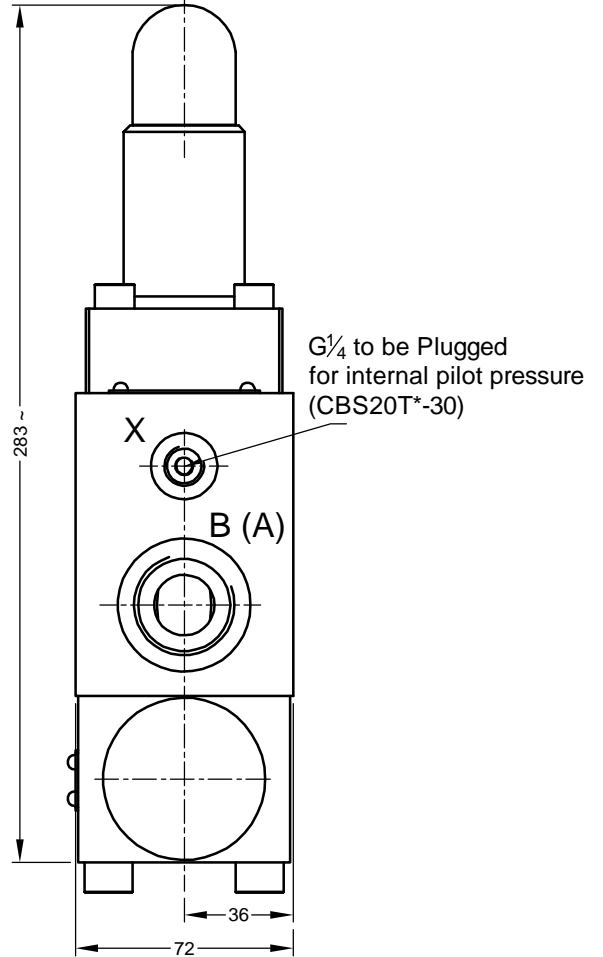
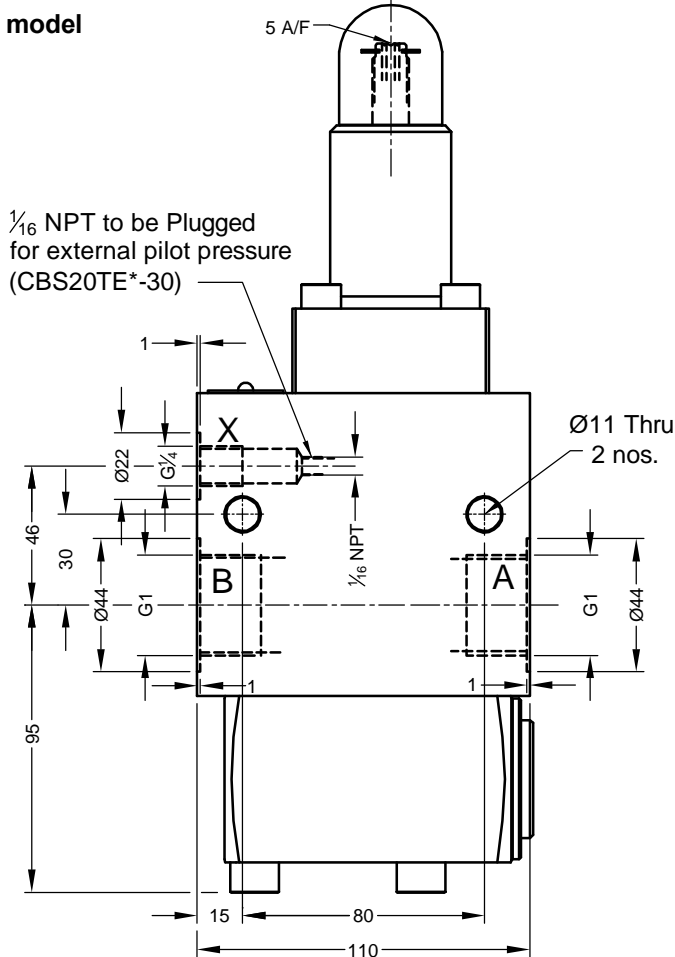
Dimensions in mm.



Valve mounting interface

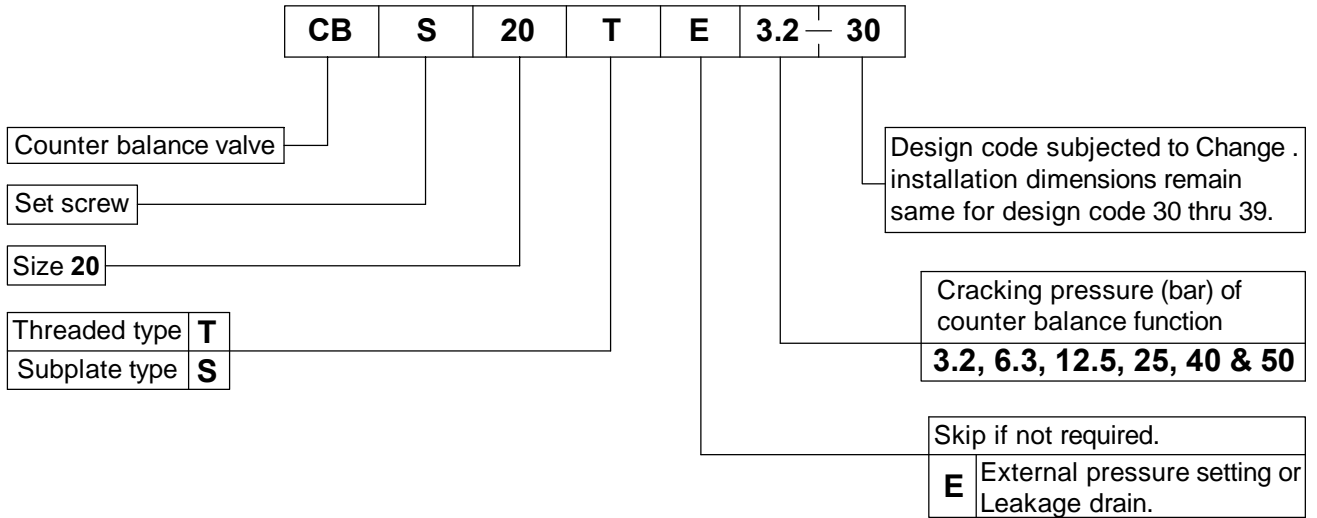


Threaded model





### Ordering code



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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.