



COUNTER BALANCE VALVE

Model : CBS*T*

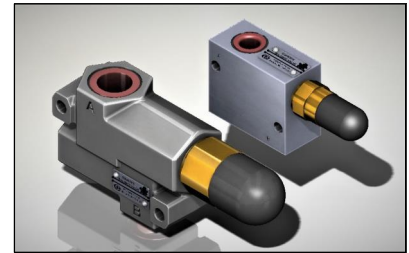
Ref. No. D 02241
Release: 08 / 2021

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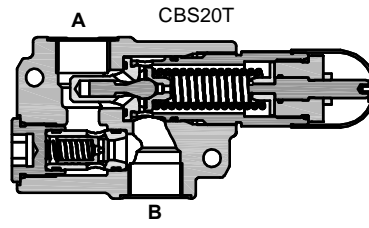
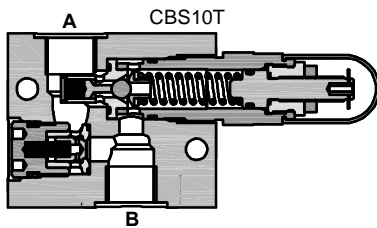
A Polyhydron Group Company

Description

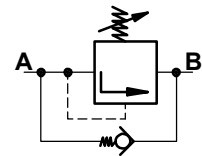
Counter balance valves CBS*T* are seat type valves. They offer free flow from their port B to Port A and give leak free closure in opposite direction upto a predetermined cracking pressure. The predetermined cracking pressure can be adjusted within its maximum specified range.



Section



Hydraulic symbol



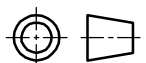
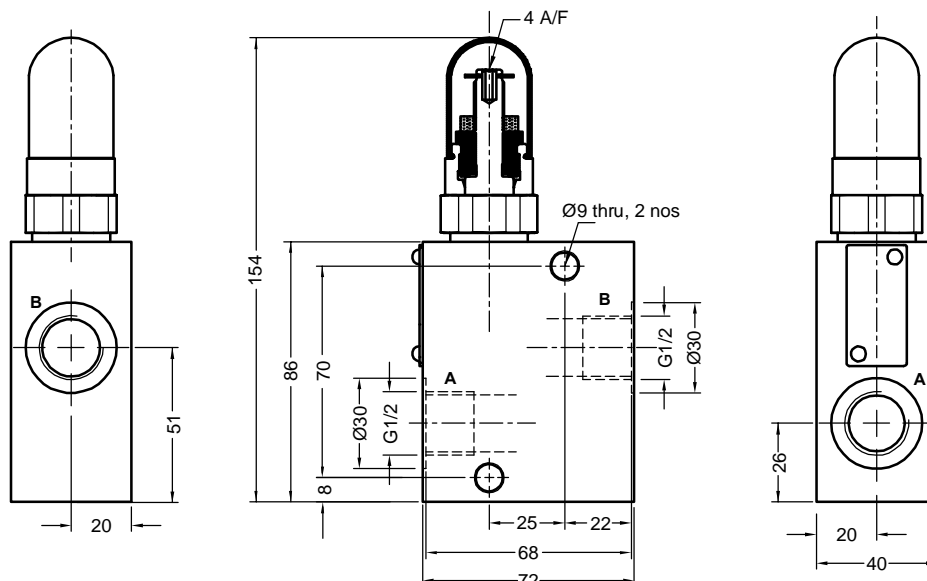
Technical specifications

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.	0.9	4.0

Unit dimensions

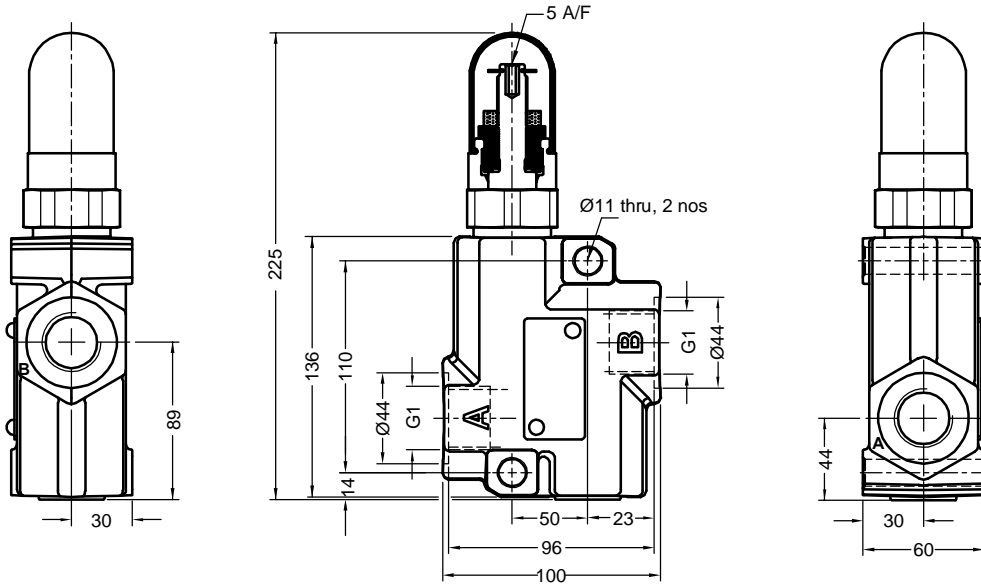
Dimensions in mm.

Model : CBS10T

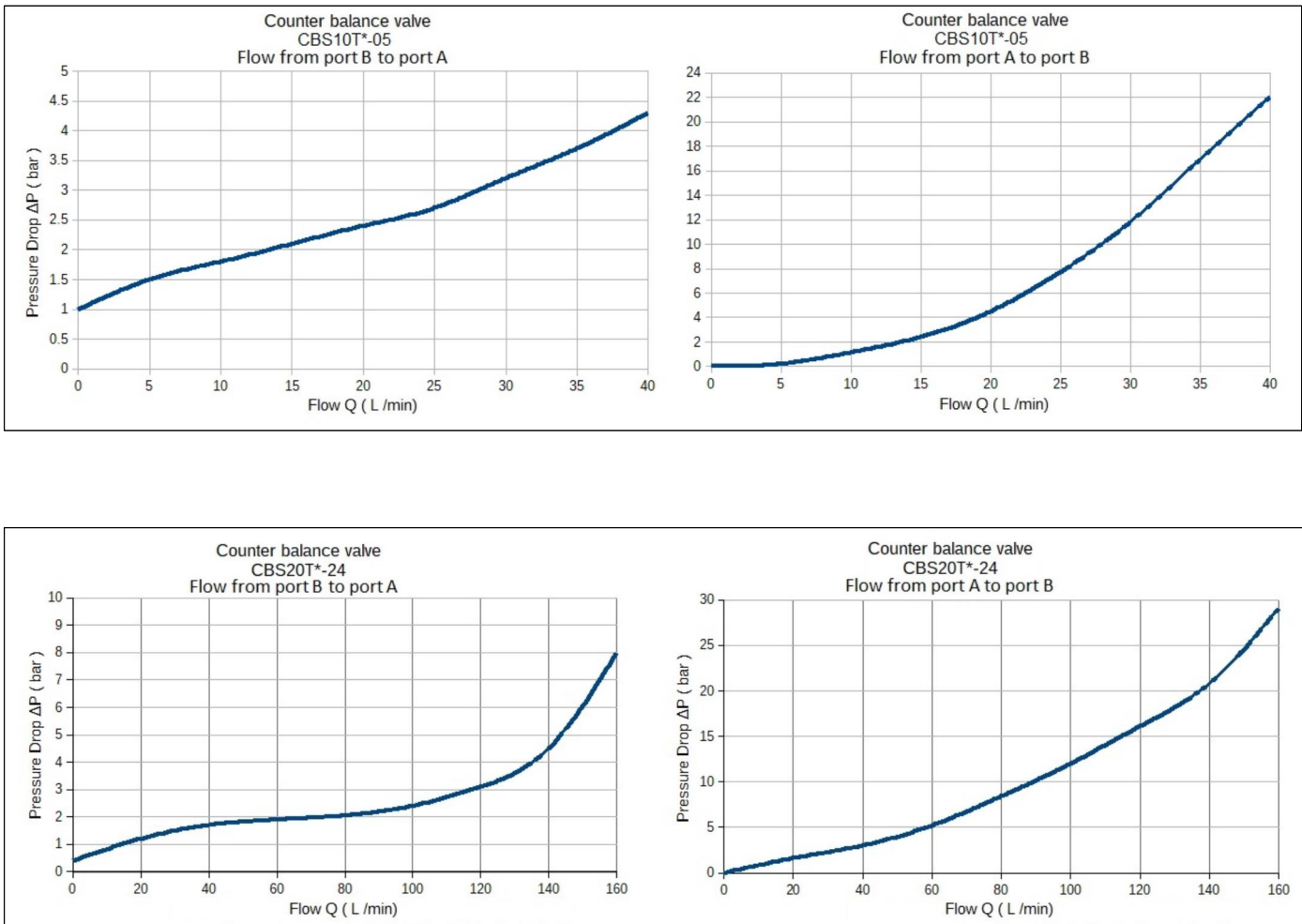




Model : CBS20T



Performance graph





Ordering code

CB S 10 T 1 24

Counter balance valve

Set screw

Size	Port
Size 10	G1/2
Size 20	G1

Threaded type

05	For CBS10T*
24	For CBS20T*
Design code subjected to change. Installation dimensions remain same for design code 01 thru 09 for CB10T and 20 thru 29 for CB20T	

Cracking pressure	
1*	2 to 12.5 bar
2	2 to 25 bar
3	5 to 50 bar
4	10 to 100 bar
5*	10 to 160 bar
6	20 to 200 bar

Note : Cracking pressure marked with * are not available in CBS20T

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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.

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Subject to revision