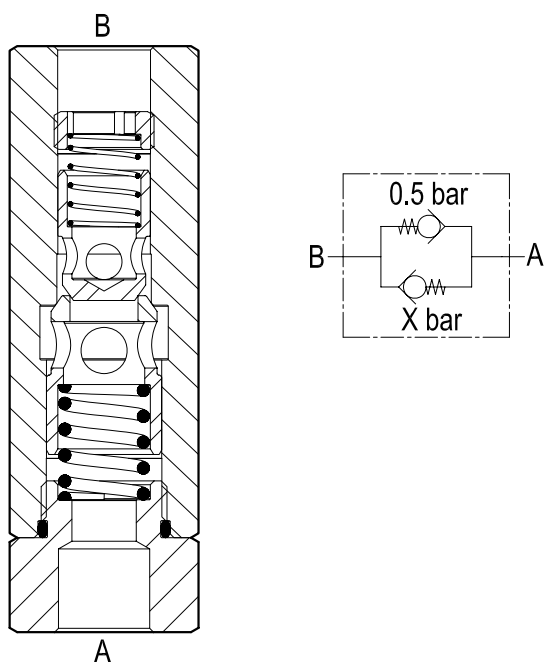


Bi-directional check valves

Line mounted double acting poppet type

CAB Series



Description

Flow is always allowed to pass from A to B when pressure at A rises above 0.5 bar (7.25 psi). Reverse flow from B to A is possible only when pressure at B rises above the return spring bias pressure; the return B to A cracking pressure can be chosen among the various X values available (see table).

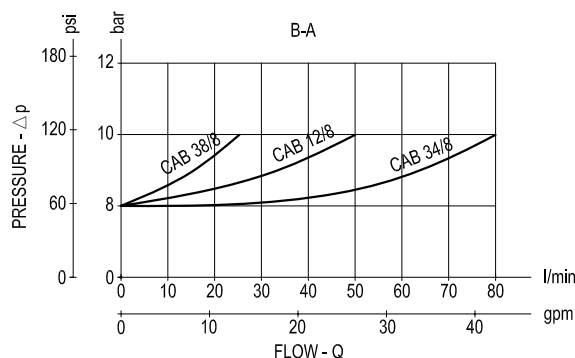
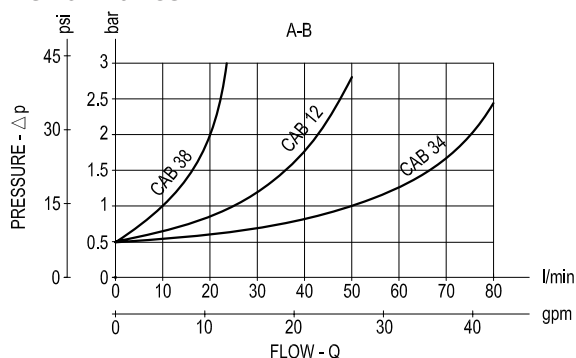
MTTFD: 150 years see RE 18350-51

Technical data

Code	Pressure P max bar (psi)	Flow Q max l/min (gpm)	Weight kg (lbs)
CAB 38	350 (5000)	25 (7)	0.48 (1.06)
CAB 12	350 (5000)	50 (13)	0.88 (1.94)
CAB 34	250 (3600)	80 (21)	1.71 (3.77)

Steel body, zinc plated

Performance

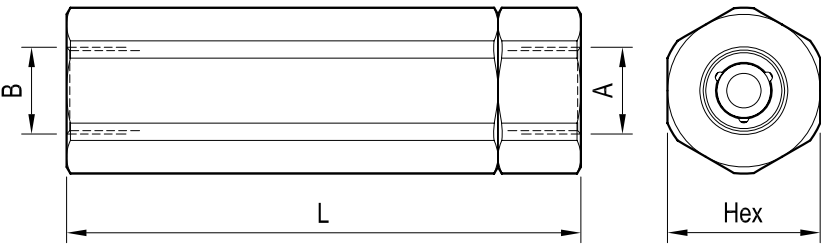


Advantages

- Very compact design and inline mounting for space saving.
- Three sizes provide great adaptability to the system.
- Mounting position is unrestricted.
- Very low Δp .
- Different values of cracking pressure are available for B-A flow (see the relevant table).

NOTE: the valve is available also with a choice of cracking pressures B-A, as shown by the relevant table: when ordering please specify the desired B-A cracking pressure expressed in "bar" value in the code position (**). In direction A-B the cracking pressure is always 0.5 bar.

Dimensions



Ports size / Dimensions

Code	Ports size A-B	Hex mm (inches)	L mm (inches)
CAB 38	G 3/8	30 (1.18)	102 (4.02)
CAB 12	G 1/2	36 (1.42)	130 (5.12)
CAB 34	G 3/4	46 (1.81)	155 (6.10)

Applications

They can be fitted in line either when it is necessary to build-up some pressure “B-A” before feeding an actuator (ex.: opening of the mechanical safety brake before starting a motor), or they can be employed to allow free upstream flow “A-B”, and build-up some back pressure “B-A” to hold or stabilize the reverse motion.

Ordering code

CAB			/	**				
				= Specify cracking pressure "B-A" (only bar value see table below)				
ports G 3/8	= 38				CAB 38	CAB 12	CAB 34	
ports G 1/2	= 12			Cracking pressure Controlled flow bar (psi)	5 (72.5)	5 (72.5)	4 (58)	
ports G 3/4	= 34				8 (116)	8 (116)	8 (116)	
					15 (217.5)	10 (145)	10 (145)	
						15 (217.5)	15 (217.5)	
Cracking pressure (free flow A-B) is always 0.5 bar (7.25 psi)								

Type	Material number	Type	Material number	Type	Material number
CAB 12/5	R932500153	CAB 38/15	R932500158		
CAB 12/8	R932500154				
CAB 12/10	R932500151				
CAB 12/15	R932500152				
CAB 34/4	R932006924				
CAB 34/8	R932500157				
CAB 34/10	R932500155				
CAB 34/15	R932500156				
CAB 38/5	R932500159				
CAB 38/8	R932500160				