

Horizontal Check Valves

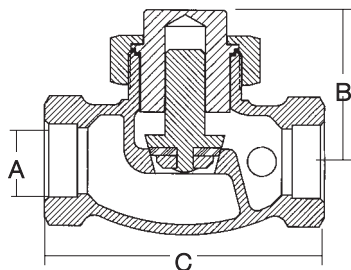
8500 Series



BK8508S



BK8512S



Application

The 8500 series valves are designed for use as a check valve on large cryogenic bulk stations and cryogenic pipelines.

Features

- Replaceable Kel-F seat discs.
- Self-centering cap holds plunger in position.
- Each valve is cleaned and packaged for liquid oxygen service per CGA G-4.1.
- Working temperature range is -320°F to +165°F.
- Maximum working pressure is 600 PSIG CWP.
- 2 PSI crack pressure.

Materials

BodyBronze
 Cap.....Brass or Bronze
 PlungerBrass
 SeatCTFE

Ordering Information

Part Number	Inlet / Outlet Connection A	B	Length C	Cv Factor
BK8508S	1.128"-1.130"	2¼"	4⅝"	10
BK8508T	1" F.NPT			
BK8512S	1.629"-1.631"	3¼"	5⅝"	27
BK8512T	1½" F.NPT			

Inline Check Valves

CG Series Gas and Cryogenic Check Valves

Application

Inline check valves with metal seat option for cryogenic service or with soft seat option for leak free operation in gas service.

Features

- One directional flow indicated by arrow on body.
- Large Cv for high flow capability and low pressure drop.
- Working temperature range:
 - 320° F to +165° F for metal seats.
 - 20° F to +165° F for soft seats.
- 1 psig cracking pressure.
- Cleaned for use in oxygen service per CGA G-4.1

Materials

Body (B and BL suffix).....ASTM B16 Brass
 (SS and SSL suffix).....203 Stainless Steel
 SpringStainless Steel
 Piston.....Stainless Steel
 O-Ring (soft seat option units only).....Viton

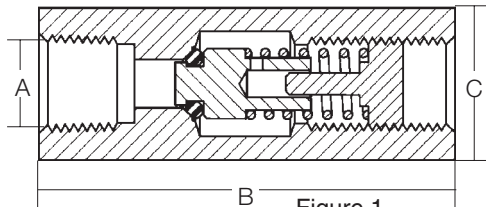
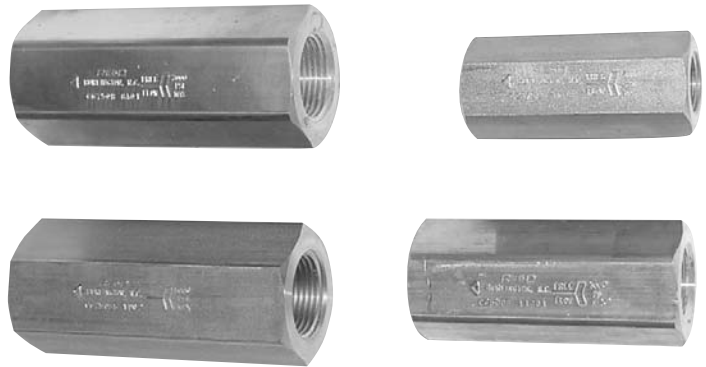


Figure 1
Soft Seat Option

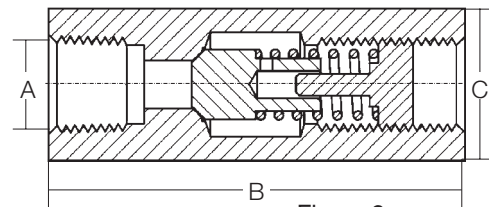


Figure 2

Part Number	Seating Option	Inlet/Outlet Connections FNPT P	Length L	Wrenching Hex Size D	Cv	Maximum Operating Pressure
Stainless Steel Check Valves						
CG250SS	METAL	1/4"	2 3/8"	13/16"	.87	5000 PSIG
CG375SS	METAL	3/8"	2 1/2"	1"	2.3	5000 PSIG
CG500SS	METAL	1/2"	3"	1 1/8"	3.5	5000 PSIG
CG750SS	METAL	3/4"	3 5/8"	1 1/2"	5.2	5000 PSIG
CG250SSL	SOFT	1/4"	2 3/8"	13/16"	.87	250 PSIG
CG375SSL	SOFT	3/8"	2 1/2"	1"	2.3	250 PSIG
CG500SSL	SOFT	1/2"	3"	1 1/8"	3.5	3000 PSIG
CG750SSL	SOFT	3/4"	3 5/8"	1 1/2"	5.2	3000 PSIG
Brass Body Check Valves						
CG250B	METAL	1/4"	2 3/8"	13/16"	.87	3000 PSIG
CG375B	METAL	3/8"	2 1/2"	1"	2.3	3000 PSIG
CG500B	METAL	1/2"	3"	1 1/8"	3.5	3000 PSIG
CG750B	METAL	3/4"	3 5/8"	1 1/2"	5.2	3000 PSIG
CG250BL	SOFT	1/4"	2 3/8"	13/16"	.87	250 PSIG
CG375BL	SOFT	3/8"	2 1/2"	1"	2.3	250 PSIG
CG500BL	SOFT	1/2"	3"	1 1/8"	3.5	3000 PSIG
CG750BL	SOFT	3/4"	3 5/8"	1 1/2"	5.2	3000 PSIG