

# Inline Check Valves

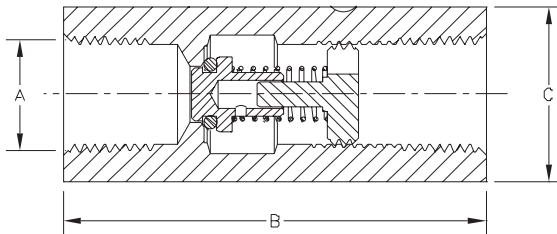
## CG Series Gas and Cryogenic Check Valves

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

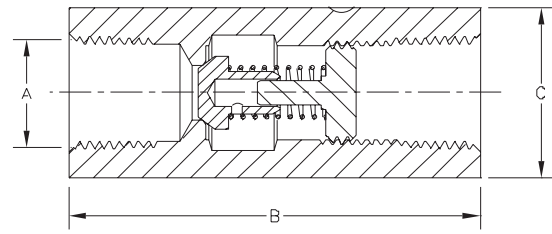
- One directional flow indicated by arrow on body
- Large Cv for high flow capability and low pressure drop
- Working temperature range:  
-320° F to +165° F (-195°C to +74°C) for metal seats  
-20° F to +165° F (-20°C to +74°C) for soft seats
- 1 psig opening pressure
- Cleaned for use in oxygen service per CGA G-4.1



Body (B and BL suffix) ..... ASTM B16 Brass  
 Body (SS and SSL suffix) ..... 203 Stainless Steel  
 Spring ..... Stainless Steel  
 Piston..... Stainless Steel  
 O-Ring (soft seat option units only) ..... Viton  
 Metal Seat ..... 303 Stainless Steel



Soft Seat Option



Metal Seat Option

Part Number	Seating Option	Inlet/Outlet Connections FNPT	Length B		Wrenching Hex Size C		Cv (Kv)	Maximum Operating Pressure
			inches	mm	inches	mm		
<b>Stainless Steel Check Valves</b>								
CG250SS	Metal	1/4"	2 3/8"	60.45	13/16"	20.57	.87 (0.75)	5000 psig (345 barg)
CG375SS		3/8"	2 1/2"	63.50	1"	25.4	2.3 (1.98)	
CG500SS		1/2"	3"	76.20	1 1/8"	28.575	3.5 (3.02)	
CG750SS		3/4"	3 3/8"	92.20	1 1/2"	38.1	5.2 (4.49)	
CG250SSL	Soft	1/4"	2 3/8"	60.45	13/16"	20.57	.87 (0.75)	250 psig (17.2 barg)
CG375SSL		3/8"	2 1/2"	63.50	1"	25.4	2.3 (1.98)	
CG500SSL		1/2"	3"	76.20	1 1/8"	28.575	3.5 (3.02)	2000 psig (138 barg)
CG750SSL		3/4"	3 3/8"	92.20	1 1/2"	38.1	5.2 (4.49)	
<b>Brass Body Check Valves</b>								
CG250B	Metal	1/4"	2 3/8"	60.45	13/16"	20.57	.87 (0.75)	3000 psig (207 barg)
CG375B		3/8"	2 1/2"	63.50	1"	25.4	2.3 (1.98)	
CG500B		1/2"	3"	76.20	1 1/8"	28.575	3.5 (3.02)	
CG750B		3/4"	3 3/8"	92.20	1 1/2"	38.1	5.2 (4.49)	
CG250BL	Soft	1/4"	2 3/8"	60.45	13/16"	20.57	.87 (0.75)	250 psig (17.2 barg)
CG375BL		3/8"	2 1/2"	63.50	1"	25.4	2.3 (1.98)	
CG500BL		1/2"	3"	76.20	1 1/8"	28.575	3.5 (3.02)	2000 psig (138 barg)
CG750BL		3/4"	3 3/8"	92.20	1 1/2"	38.1	5.2 (4.49)	