

Bronze Cryogenic Globe Valve

Bronze Cryogenic Globe Valves are often reserved for occasional or temporary use-points, tank isolation valves and as a lower cost alternative to our Vacuum Insulated Valves. These valves are typically used in low budget applications where the liquid quality is not critical and water or ice damage are not a concern.

Valve Features:

- Rugged construction for long life.
- Bubble tight seating and high cycle life.
- Replaceable top works.
- **Materials:** Bronze cast body & bonnet.
Stainless steel extended stem and barrel.
- **Design:** Unique top seal and high Cv PTFE seat.
- **Service:** Liquefied and vaporized atmospheric gases.
- **Temperature Rating:** -325 °F to 150 °F (-196 °C to 65 °C).
- **Valve Pressure Rating:** 400 PSIG.
- **Suitable for:** Cold box, transport vehicles, pipelines, and customer service applications.



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Integral Safety Relieve Valve Option:

- The unique design of the Integral Safety Relief Valve Assembly allows the SRV to be adjusted in a safe direction no matter the valve angle. Safety Relief Valves (SRV) are ideally suited for use as “Blocked Line Safeties” in cryogenic systems. The SRV is a spring reference over pressure protection device.
- **Materials:** Brass Body, Poppet & Adjusting Spring Retainer
302 Stainless Steel Spring
PCTFE Seal (-320° to 165° F (-196° to 74° C))
- **SRV Inlet Connection:** 1/4" MNPT
- **Standard Set Pressure:** 150 PSIG
- **Options:** Brass Pipe Away Adapters, Pressure Settings (50 to 400 PSIG), Mechanical Insulation & Custom Candy Cane Assemblies.

Related Options:

- Internal gas traps are incorporated into our VIP drops when utilizing our Non-Insulated Valves. Internal gas traps will help reduce product loss as the valve will not ice up with no fluid flow.
- Non-Insulated Cryogenic Globe Valves are available in bronze or stainless-steel bodies, manual operation, remote actuation, flow control, and check valve configurations.

Ordering Information:

FNPT Size Inches (DN)	Valve Only Part Number	Valve with Integral SRV1	Valve with Integral SRV2	Weight * Lbs. (Kgs.)	Estimated Cv (Kv)	Open Height Inches (mm)	Body Width Inches (mm)
1/4" (08)	CP01842	CA00767	CA00766	1.50 (0.68)	1.30 (1.12)	8 11/16" (221)	2 5/8" (67)
3/8" (10)	CP01843	CA00769	CA00768	1.50 (0.68)	2.40 (2.07)	8 11/16" (221)	2 5/8" (67)
1/2" (15)	CP01844	CA00771	CA00770	2.50 (1.15)	3.25 (2.81)	8 11/16" (221)	2 5/8" (67)
3/4" (20)	CP01845	CA00776	CA00775	3.20 (1.45)	6.25 (5.40)	10 1/2" (267)	4 1/4" (108)
1" (25)	CP01846	CA00781	CA00780	5.30 (2.40)	10.00 (6.65)	10 1/2" (267)	3 3/4" (95)

* Add Integral SRV2 Assembly Weight = 0.70 Lbs (0.32 Kgs.)



Valve with Integral SRV1

Valve with Integral SRV2