

# Stainless Steel Globe Valves for Cryogenic Service

## SK Advantage Series Medium Stem, Inlet Socket Weld, Outlet Threaded NPT

### Application

The SK Advantage Series of Stainless Steel Globe Valves are designed for handling cryogenic liquids through trailer, bulk vessels and piping configurations. Ideal service medium includes oxygen, nitrogen, krypton, carbon dioxide, dinitrogen monoxide, carbon oxide, methane, ethane, ethylene, argon and LNG. Our Kold-Seal stem seal technology assures a tight seal preventing cryogen gas loss. The conical seat design allows exceptional flow, positive shutoff and less chance of debris accumulation in the flow path, all resulting in an overall longer service life. Maintenance on the packing and seat is quick and easy.

### Features

- **Soft Seat:** PCTFE material which is the most widely specified cryogenic seat material in the industry
  - **Construction:** Bolted bonnet allows easy access to the valve internals for servicing
  - **Stem Packing:** Proven Kold-Seal technology, Live Loaded PTFE
  - **Sizes:** 1/4" through 2"
  - **Connection:** Threaded NPT
  - **Service:** Liquefied and vaporized atmospheric gases, LNG
  - **Temperature Rating:** -325°F to +150°F (-198°C to +65°C)
  - **Pressure Rating:** Cold, Non-Shock, 725 psig (50 barg) Class 300 (PN 50)
- Cleaned and packaged for oxygen service per CGA G-4.1
  - **Application:** Multiple stem lengths available for selected service
  - **Packaging:** Each valve is individually bagged and boxed to arrive in factory new condition until installation

### Materials

Body ..... Stainless Steel ASTM A351 CF8  
 Bonnet and Tube .. Stainless Steel ASTM A351 CF8/ASTM A479 type 304  
 Stem ..... Stainless Steel ASTM A582 S30300  
 Spring ..... Stainless Steel ASTM A313 S30200  
 Packing..... Live Loaded PTFE Packing  
 Gasket ..... PTFE 25% Glass Fill  
 Seat Disc ..... PCTFE ASTM D1430  
 Seat Retainer..... Brass ASTM B16  
 Bonnet Screws ..... ASTM F837  
 Handwheel..... Painted Aluminum

### Quality / Facility Features

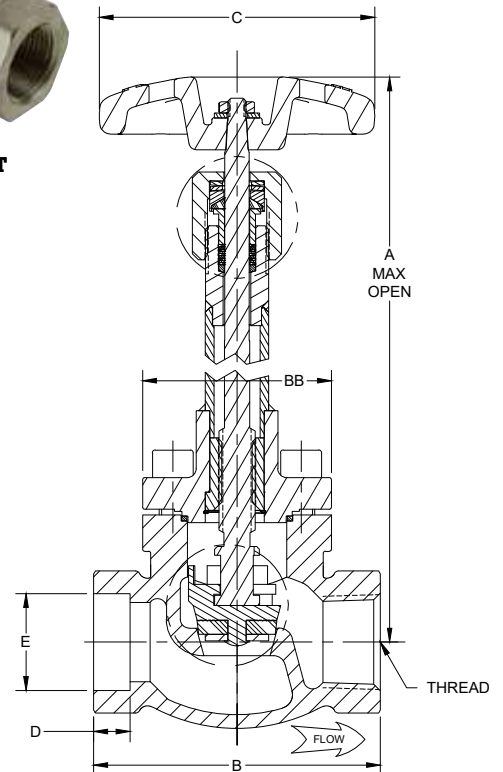
- Material traceability in accordance with BS EN 10204 3.1
- CE Marking per European Pressure Equipment Directive



TPED & PED Certified



SKM9408ST



### Ordering Information

Part Number	Size Inches	Size DN	Connection		A Inches	A mm	B Inches	B mm	C Inches	C mm	Cv	Kv	Weight lbs	Weight kg
			Inlet	Outlet										
SKM9404ST	1/2"	15	Socket Weld	Threaded NPT	10.6	270	3.09	78.48	4	102	5	4.30	3.29	1.48
SKM9408ST	1"	25					3.95	100.33			14	12.10	5.02	2.27
SKM9412ST	1 1/2"	40					5.00	127.00	5	127	28.3	24.45	8.92	4.04
SKM9416ST	2"	50					5.92	150.37			53	45.80	15.30	6.94

