REGO 10 YEAR WARRANTY

REGO 100% TESTED ★

CLEANED FOR OXYGEN SERVICE O_2 CGA G-4.1

2021
Featured Cryogenic Product Information

Stainless Steel Globe Valves

Stainless Steel Relief Device Diverter Valves

Brass High Pressure ASME Relief Valves

Brass ½" Pressure Build Regulator

Scan Below for The Complete RegO IG Literature Selection

CG-100 Brochure 0921

The Tradition Continues

History

From the company that pioneered gas regulators, you expect nothing less than products that lead the industry. For over 100 years, we have been manufacturing gas regulating equipment to the highest standards of precision and durability—standards that we set.

Quality Design & Manufacturing

Our regulators have stood the test of time. The basic design is ingenious. The materials are top quality. The robot-assisted manufacturing is precise. RegO values the relationships we have with our customers, and we stand behind our products.

REGO DISTRIBUTOR NETWORK

Industries Best Partners to Help Support You

Our distributors are the best in the industry. Distributors are indispensable contributors to our success and we treat them as the valuable partners they are. We support our distributors and OEMs with training, inventory and technical support around the world.

REGO 10 YEAR WARRANTY

10 Year Warranty on All Products

Quality materials, innovations and long lasting design are built into every product we manufacture. That's how we can offer the RegO 10 Year Warranty, double that offered by most manufacturers.

CLEANED FOR OXYGEN SERVICE O_2 CGA G-4.1

Cleaned for Oxygen Service

All Industrial Gas products are cleaned for oxygen use according to CGA G-4.1 and EIGA Doc 200/17 to guarantee the highest possible safety level for use in oxygen and any cryogenic gas application.

Built to Stand the Test of Time

Long Lasting Product
With the largest installed base in the industry, RegO has over 110 years of field proven track record of long lasting service.

Supply Chain Management
RegO utilizes the Production Part Approval Process (PPAP) in our supply chain. Critical measurements are taken of all components parts to ensure quality and reliability.

World-class quality—but don't just take our word for it.
RegO builds products that last. Our durable materials, proven designs, and rigorous testing, all add up to products designed for years of operations under harsh conditions. With internal standards like these, it's no wonder that RegO quality is recognized the world over.

100% Testing
All our products are 100% tested at multiple steps in the process from incoming component quality to final assembly testing for leakage, lock up and set pressure.

Manufacturing Excellence
RegO uses top quality materials and precise robot-assisted manufacturing in our factories. That means every product has consistent quality.

We Stand Behind Our Products
RegO values the relationships we have with our customers, and we stand behind our products. In addition to an industry leading 10 year warranty on our products, we support our channel partners with ongoing training and technical assistance.

ASME CRN REGISTERED CE UV NB® Ex ATEX

REGO 100% TESTED ★

REGO 10 YEAR WARRANTY

8D Quality Metric Tracking

D0	Plan
D1	Create A Team
D2	Define & Describe the Problem
D3	Contain the Problem
D4	Identify, Describe & Verify Root Causes
D5	Choose Corrective Actions
D6	Implement & Validate Corrective Actions
D7	Take Preventative Measures
D8	Congratulate Your Team

Stainless Steel Globe Valves for Cryogenic Service
SK Advantage Series Long Stem Threaded Connection

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 dioxide, 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.

REGO 10 YEAR WARRANTY

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:** ¼" through 2"
- **Connection:** Threaded NPT
- **Service:** Liquefied and vaporized atmospheric gases, LNG
- **Temperature Rating:** -320°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

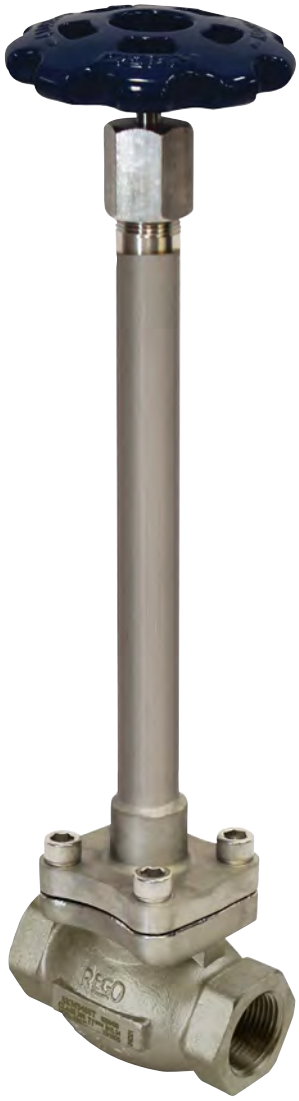
Materials

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 B16 C36000
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



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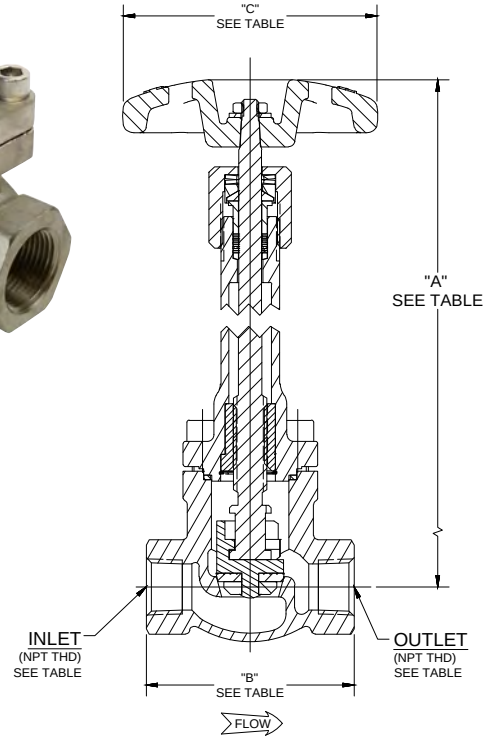

Ordering Information

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
SKL9404T	½"	15	Threaded NPT	14.6	370	3.09	78.48	4	102	5	4.30	3.47	1.68
SKL9408T	1"	25				3.95	100.33			14	1.16	5.34	2.42
SKL9412T	1½"	40				5.00	127	5	127	28.3	21.9	9.48	4.30
SKL9416T	2"	50		14.5	368	5.92	150.37			53	45.8	16.3	7.39

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Stainless Steel Globe Valves for Cryogenic Service
SK Advantage Series Medium Stem Threaded Connection

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.

REGO 10 YEAR WARRANTY

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:** ¼" 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

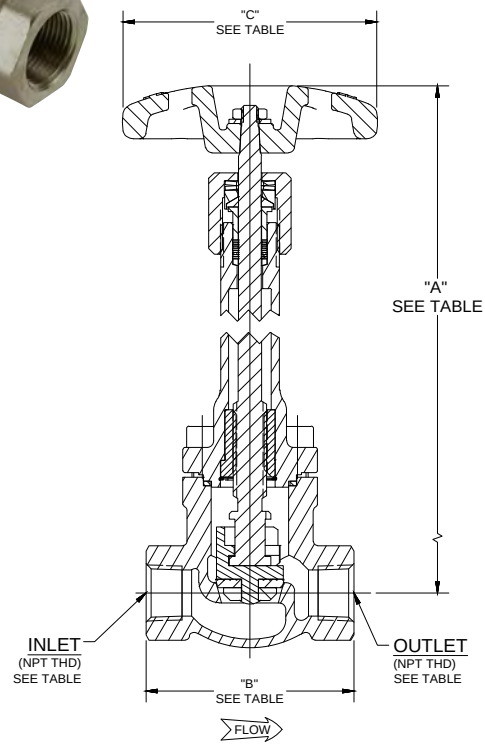
Body	Stainless Steel ASTM A351 CF8
Bonnet and Tube	Stainless Steel ASTM A351 CF8/ASTM A479 type 304
Stem	Stainless Steel ASTM A582 S30300
Spring	Stainless Steel ASTM A313 S30200
Packing	Live Loaded PTFE Packing
Gasket	PTFE 25% Glass Fill
Seat Disc	PCTFE ASTM D1430
Seat Retainer	Brass ASTM B16
Bonnet Screws	ASTM B16 C36000
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

SKM9408T



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
SKM9404T	½"	15	Threaded NPT	10.6	270	3.09	78.48	4	102	5	4.30	3.29	1.48
SKM9408T	1"	25				3.95	100.33			14	12.10	5.02	2.27
SKM9412T	1½"	40				5.00	127.00	5	127	28.3	21.60	8.92	4.04
SKM9416T	2"	50				5.92	150.37			53	45.80	15.30	6.94

Stainless Steel Globe Valves for Cryogenic Service
SK Advantage Series Short Stem Threaded Connection

Application

The SKS Series globe valves short stem are designed for handling of vapor phase and cryogenic liquids through bulk tanks, trucks, trailers, ISO-containers and piping configurations. Our time tested spring loaded stem packing and superior seat design provide for long life and easy maintenance. Recommended for vapor phase and intermittent cryogenic liquid use.

Features

- Superior Flow: Provides high Cv for rapid and reliable loading and unloading
- Designed with the unique Kold-Seal™
- Conical PCTFE Seat: provides exceptional flow; bubble tight seal; less chance of debris trapped in the seat and longer service life
- Connections: Socket Weld & Butt Weld
- Sizes: ¼" to 1½"
- Bonnet Type: Bolted
- Pressure Rating: 720 psig (50 barg)
- Temperature Rating: -320°F (-196°C) to +150°F (+65°C)
- Service: Liquefied & Vaporized Atmospheric Gases and LNG for Trailers, Bulk Tanks, Iso-Containers and Piping Configurations
- Cleaned for Oxygen Service per CGA G-4.1

REGO 10 YEAR WARRANTY

SKS9408T

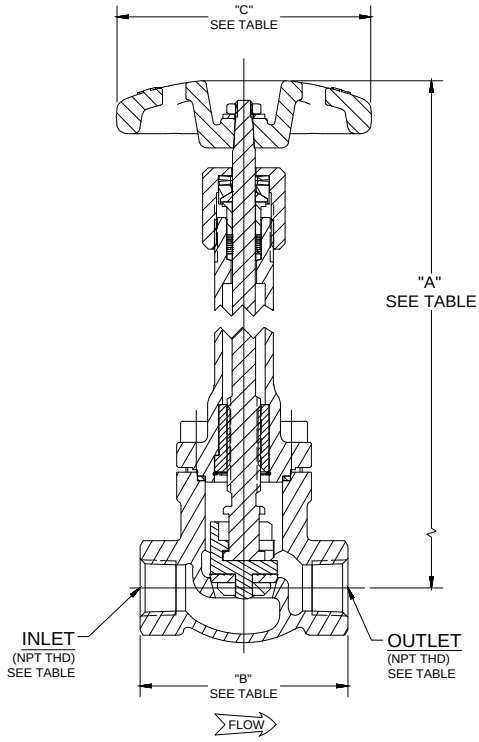
Materials

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 B16 C36000
Handwheel..... Painted Aluminum

Quality / Facility Features

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

PED Certified CE



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
SKS9404T	½"	15	Threaded NPT	6.7	170	3.09	78.48	4	102	5	4.30	2.62	1.19
SKS9408T	1"	25				3.95	100.33			14	12.10	4.10	1.86
SKS9412T	1½"	40		7.0	178	5.00	127.00	5	127	28.3	21.60	7.16	3.25

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Stainless Steel Globe Valves for Cryogenic Service
SK Advantage Series Long 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 dioxide, 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.

REGO 10 YEAR WARRANTY

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:** ¼" through 2"
- **Connection:** Threaded NPT
- **Service:** Liquefied and vaporized atmospheric gases, LNG
- **Temperature Rating:** -320°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

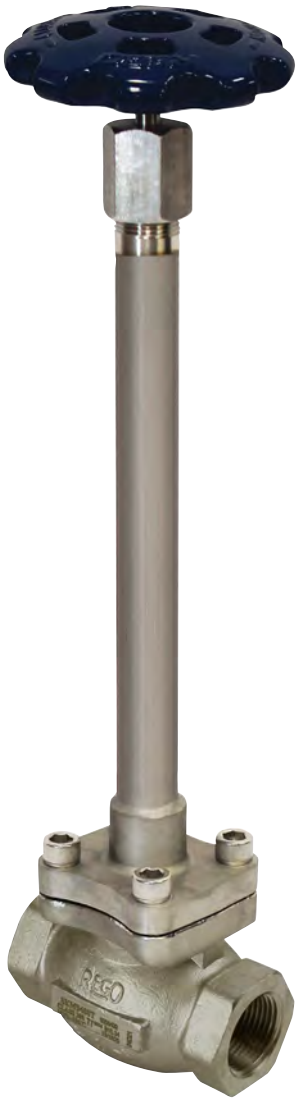
Materials

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 B16 C36000
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



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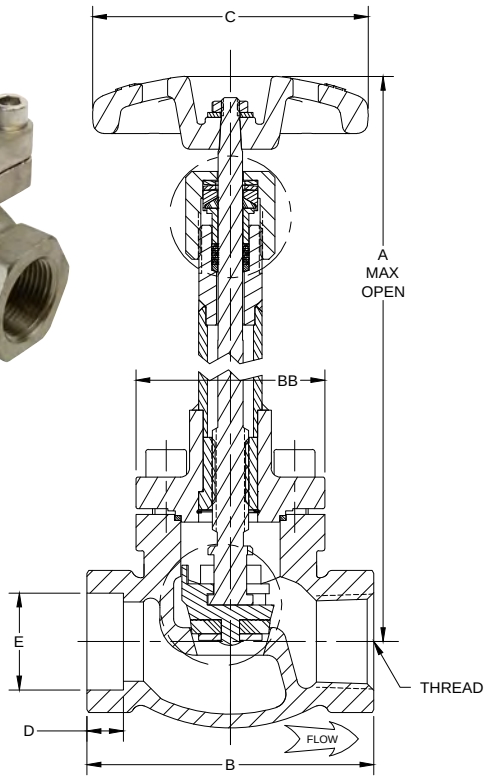


Ordering Information

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										
SKL9404ST	½"	15	Socket Weld	Threaded NPT	14.6	370	3.09	78.48	4	102	5	4.30	3.47	1.68
SKL9408ST	1"	25					3.95	100.33			14	1.16	5.34	2.42
SKL9412ST	1½"	40					5.00	127	5	127	28.3	21.9	9.48	4.30
SKL9416ST	2"	50			14.5	368	5.92	150.37			53	45.8	16.3	7.39

Stainless Steel Globe Valves for Cryogenic Service
SK Advantage Series Medium Stem, Inlet Socket Weld, Outlet Threaded NPT

Application

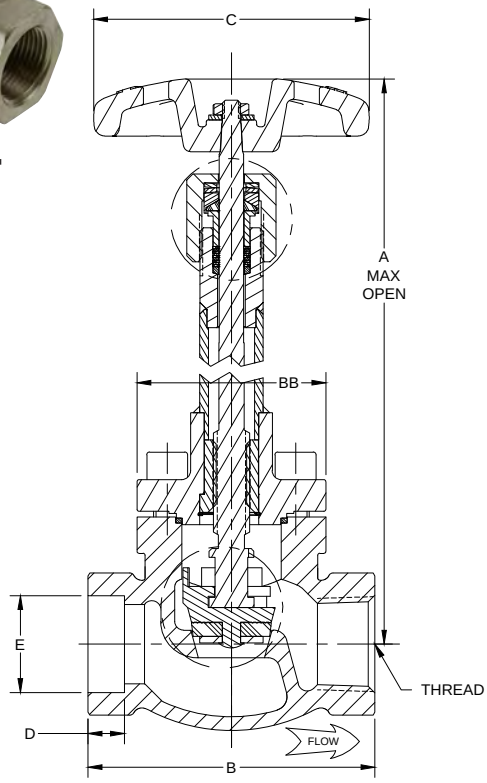
The SK Advantage Series of Stainless Steel Globe Valves are designed for handling cryogenic liquids through trailer, bulk vessels and piping configurations. Ideal service medium includes oxygen, nitrogen, krypton, carbon dioxide, dinitrogen monoxide, carbon oxide, methane, ethane, ethylene, argon and 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.

REGO 10 YEAR WARRANTY

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:** ¼" 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

SKM9408ST



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 B16 C36000
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

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	½"	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	1½"	40					5.00	127.00	5	127	28.3	21.60	8.92	4.04
SKM9416ST	2"	50					5.92	150.37			53	45.80	15.30	6.94

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Stainless Steel Globe Valves for Cryogenic Service
SK Advantage Series Short Stem, Inlet Socket Weld, Outlet Threaded NPT

Application

The SKS Series globe valves short stem are designed for handling of vapor phase and cryogenic liquids through bulk tanks, trucks, trailers, ISO-containers and piping configurations. Our time tested spring loaded stem packing and superior seat design provide for long life and easy maintenance. Recommended for vapor phase and intermittent cryogenic liquid use.

REGO 10 YEAR WARRANTY

Features

- Superior Flow: Provides high Cv for rapid and reliable loading and unloading
- Designed with the unique Kold-Seal™
- Conical PCTFE Seat: provides exceptional flow; bubble tight seal; less chance of debris trapped in the seat and longer service life
- Connections: Socket Weld & Butt Weld
- Sizes: ¼" to 1½"
- Bonnet Type: Bolted
- Pressure Rating: 720 psig (50 barg)
- Temperature Rating: -320°F (-196°C) to +150°F (+65°C)
- Service: Liquefied & Vaporized Atmospheric Gases and LNG for Trailers, Bulk Tanks, Iso-Containers and Piping Configurations
- Cleaned for Oxygen Service per CGA G-4.1

SKS9408T

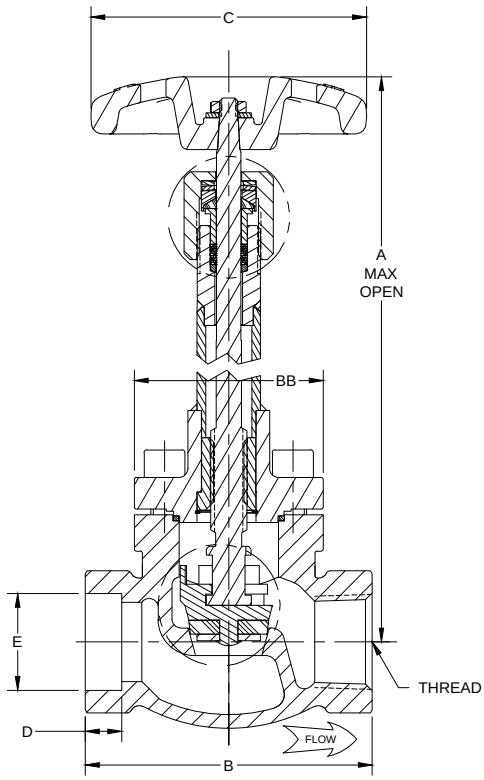
Materials

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 B16 C36000
Handwheel	Painted Aluminum

Quality / Facility Features

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

PED Certified CE



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										
SKS9404ST	½"	15	Socket Weld	Threaded NPT	6.7	170	3.09	78.48	4	102	5	4.30	2.62	1.19
SKS9408ST	1"	25					3.95	100.33			14	12.10	4.10	1.86
SKS9412ST	1½"	40			7.0	178	5.00	127.00	5	127	28.3	21.60	7.16	3.25

Stainless Steel Globe Valves for Cryogenic Service
ESK Advantage Series

Application

ESK series cryogenic emergency shutoff valves are designed for handling cryogenic liquids through ISO tanks, trailers and piping configurations. Ideal service medium includes oxygen, nitrogen, krypton, carbon dioxide, dinitrogen monoxide, carbon dioxide, methane, ethane, ethylene, argon and LNG. In the event of a fire or manual trigger, the safety valve automatically closes to prevent product spillage to the environment.

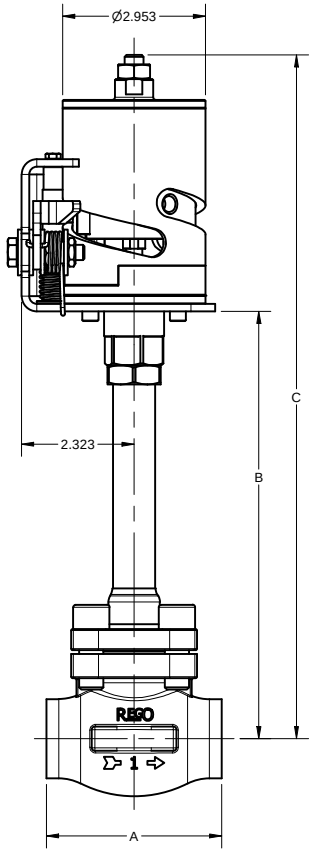
Features

- Innovative RegO design builds upon years of proven experience with SK Advantage Globe Valve series to provide all of the benefits of the SK Advantage series and ensure the safest possible operation and longevity of transport equipment
- Cable attached to locking mechanism allows for remote, easy shutoff in the event of emergency
- When exposed to fire, thermal fuse (optional) triggered to shutoff valve automatically
- Operating lever with low torque design enables easy reopening of valve following shutoff
- Actuator position can be quickly and easily changed to accommodate any installation
- Compact, light weight design very suitable for installation in the limited space available in transport equipment and reduces overall payload
- One piece body globe valve design avoids leakage both externally and internally
- **Soft Seat:** PCTFE material, which is the most widely specified cryogenic seat material in the industry, reduces contraction to ensure zero leakage under cryogenic temperatures
- **Construction**: Bolted bonnet design allows easy access to the valve internals for faster, easier serviceability
- **Stem Packing:** Proven Kold-Seal technology, Live Loaded PTFE
- **Sizes:** 1" to 2"
- **Connection:** Socket Weld & Butt Weld that can be welded in place without removal of topworks to save installation time, labor, and cost
- **Temperature Rating**: -320°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
- 100% factory tested

ESK Series

***Patent Pending**

REGO 10 YEAR WARRANTY



Materials

Body ..... Stainless Steel CF8
Cover ..... Stainless Steel CF8/304
Stem ..... Stainless Steel S30300
Packing ..... PTFE
Seat Seal ..... PCTFE
Seat Cage ..... Brass B16

Quality / Facility Features

- Material traceability in accordance with BS EN 10204 3.1

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
ESK9408SW	1"	25	Socket Weld	3.6	92	8.8	224	14.7	373	14	12.1	10.18	4.62
ESK9412SW	1½"	40		4.7	121	8.3	85	14.2	360	28.3	21.6	13.87	6.39
ESK9416SW	2"	50		5.7	147	7.5	191	13.4	340	53	45.8	20.48	9.29
ESK9408BW	1"	25	Butt Weld	3.6	92	8.8	224	14.7	373	14	12.1	10.18	4.62
ESK9412BW	1½"	40		4.7	121	8.3	85	14.2	360	28.3	21.6	13.87	6.39
ESK9416BW	2"	50		5.7	147	7.5	191	13.4	340	53	45.8	20.48	9.29

SW =Socket Weld; BW = Butt Weld
*Please consult the factory for additional options

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Brass High Pressure ASME Relief Valves
PRV19534K Series

REGO 10 YEAR WARRANTY

Application

The RegO PRV19534 Series relief valves are designed for CO2 and other industrial gases and for cryogenic service in the vapor space. Apply on piping systems, liquid cylinders or mini-bulk cryogenic containers where an ASME relief valve is required. Compatible with all oxygen, nitrogen, argon, helium, LNG and CO2.

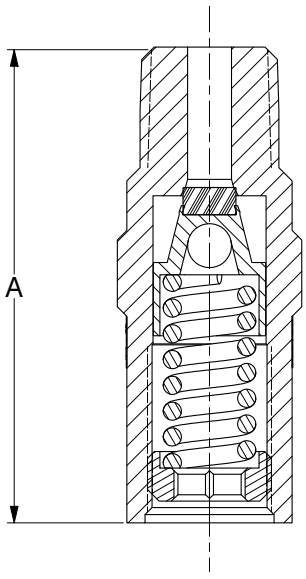
Features

- All valves are cleaned and packaged for oxygen service per CGA G-4.1
- Bubble tight at 95% of set pressure
- Full flow at 110% of set pressure
- Temperature range -320°F to +165°F (-196ºC to +74ºC)
- Rated for gas service only, not liquid
- Setpoint tolerance +/- 3%
- Available in brass with settings from 800 to 1,000 psig
- Builds off proven experience of and further extends PRV9400 series offerings
- ASME rated National Board Certified
- Easy to read color coded psig / bar labels
- Tamper resistant
- Adapters provide standard pipe thread connections for venting gas to the outdoors (B-9412-4, sold separately)
- Repeatable performance
- 100% factory tested
- In liquid service be sure to use with a candy cane riser (sold separately)
- In liquid service be sure to use with a candy cane riser (Sold Separately)

PRV19534K Series

Flow Performance

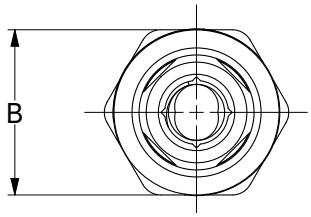
For set pressures 800-1000 psig, capacity is 0.805 SCFM of air per PSIA of flow pressure. Flow pressure per ASME is 10% above set pressure or +3 PSIG, whichever is greater.



Materials

Body ..... Brass ASTM B16 UNS C36000
Spring ..... Stainless Steel ASTM A313
Seat Retainer..... Brass ASTM B16 UNS C36000
Seat ..... PCTFE (Kel –F)
Pipe-Away Adapter ..... Brass ASTM B16 UNS C36000

The use of a candy cane riser is recommended for liquid phase installation of these PRVs.



Ordering Information

Part Number	Material	Pressure Setting Range psig (barg)	Inlet M.NPT	"A" Inches (mm)	"B" Inches (mm)	Orifice Size Inch² (mm²)	Kd Value	Pipe-Away Adapter P/N
PRV19534K	Brass	800- 1000 (55.1 - 68.9)	½"	2.9 (73.1)	1.0 (25.4)	0.266 (171.6)	0.79	B-9412-4

RegO® Stainless Steel Relief Device Diverter (3-Way) Valve DV4108 Series

Application

The DV4108 Diverter Valve Series provides a lightweight, simplified solution for the isolation of pressure relief valves during testing and change out of relief valves and burst discs without requiring evacuation of the vessel and guaranteeing that one port will be available to work during the operation. This all stainless steel diverter valve is ideal for use with oxygen, nitrogen, krypton, carbon dioxide, nitrous oxide, dinitrogen monoxide, carbon oxide, methane, ethane, ethylene, argon, and LNG.

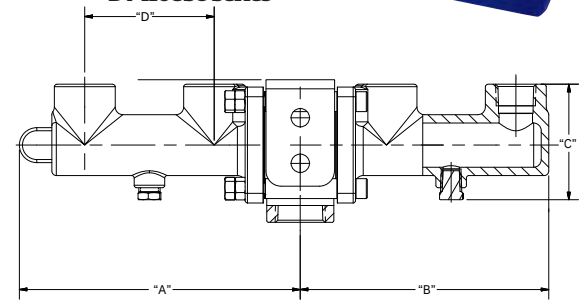
Features

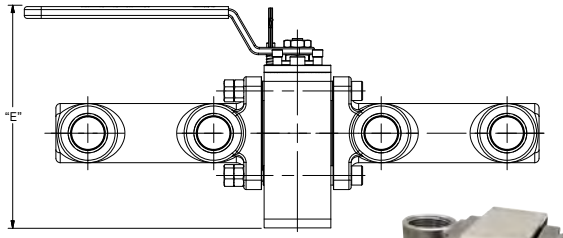
- High flow rates complement the RegO AR and PRV series pressure relief valves
- Outlet ports sufficiently spaced to allow AR and PRV series relief valves as well as burst discs to be easily installed and removed
- Compact, lightweight design
- Unique resilient seat design with Dyneon™ TFM 1600 material provides smooth operation and bubble tight seal in cryogenic conditions
- Special seal design using proven Kold-Seal technology, live loaded PTFE in conjunction with wave springs and added sealing protection prevent internal and external leakage (EN 1626:2008 compliant)
- Clearly labeled, heavy duty lever arm and locking pin provide positive isolation verification
- Various connection and configuration options available
- Bracket included for easy installation
- Service: Liquefied and vaporized atmospheric gases, LNG
- Temperature rating: -320°F to +150°F (-196°C to +65°C)
- Pressure rating: Cold, non-shock, 720 PSIG (50 BAR) Class 300 (PN 50)
- 100% factory tested; each valve is individually bagged and boxed to arrive in factory new condition until installation
- Cleaned and packaged for oxygen service per CGA G-4.1

PED Certified CE

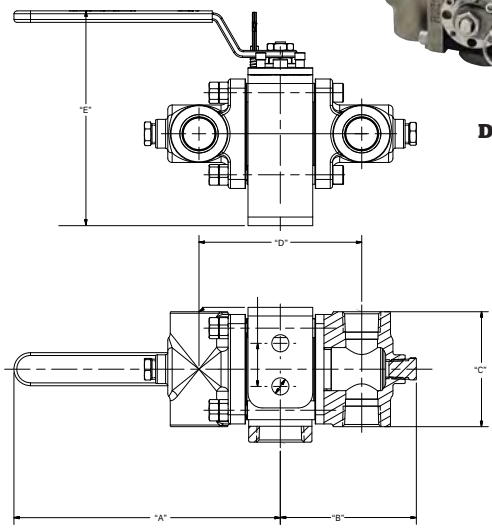
REGO 10 YEAR WARRANTY

DV4108SU Series





DV4108MU Series



Materials

Body ..... 316 Stainless Steel ASTM A351-CF-8M (DIN 1.4408)
Ball.....316L Stainless Steel ASTM A276 (DIN 1.4006)
Seat ..... Dyneon TFM 1600
End caps.....304 Stainless Steel ASTM A743 (DIN 1.4027)
Wave springs.....Stainless Steel ASTM A313 (DIN 1.4544)
Wave spring washers 304 Stainless Steel ASTM A182 (DIN 1.5415)
Packing..... Live Loaded PTFE
Stem .....316L Stainless Steel ASTM A276 (DIN 1.4006)
Lever.....304 Stainless Steel ASTM A182 (DIN 1.5415)
Bracket .....304 Stainless Steel ASTM A182 (DIN 1.5415)

Ordering Information

Part Number	Inlet Inches (mm)	Outlet Inches (mm)	Outlet Connection Type	Outlet Port Orientation	Bleeder Connection	A Inches (mm)	B Inches (mm)	C Inches (mm)	D Inches (mm)	E Inches (mm)	Open Port	Cv (Kv)
DV4108SU04	1 (DN25)	½ (DN15)	Thread NPTF	4 ports, all opposite of Inlet	1/4" NPTF, same side as inlet	7.29 (185)	6.42 (163)	2.98 (76)	3.34 (85)	5.90 (150)	One Side	12.0 (10.4)
											Both Sides	21.7 (18.8)
DV4108SU06		¾ (DN20)									One Side	13.3 (11.5)
											Both Sides	22.5 (19.5)
DV4108SU08		1 (DN25)									One Side	16.0 (13.8)
											Both Sides	25.3 (21.9)
DV4108SM04		½ (DN15)		1 port up, 1 port down on each side	1/4" NPTF, 90° from inlet		3.72 (95)"	3.2 (80)	4.45 (113)		One Side	11.0 (9.5)
											Both Sides	20.0 (17.3)
DV4108SM06		¾ (DN20)									One Side	12.7 (11.0)
											Both Sides	21.6 (18.7)
DV4108SM08		1 (DN25)									One Side	14.1 (12.2)
											Both Sides	23.2 (20.1)

Other outlet port orientation options available; please contact your Sales representative with inquiries.

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RegO® Stainless Steel Relief Device Diverter (3-Way) Valve DV4108SD Series for PRVs

Application

The DV4108SD04 Diverter Valve Series provides a lightweight, simplified solution for the isolation of pressure relief valves during testing and change out of pressure relief valves and burst discs without requiring evacuation of the vessel and guaranteeing that one port will be available to work during the operation. This all stainless steel diverter valve is ideal for use with oxygen, nitrogen, krypton, carbon dioxide, nitrous oxide, dinitrogen monoxide, carbon oxide, methane, ethane, ethylene, argon, and LNG.

The DV4108SD04 has the inlet port in the upper position for the easy installation of the Micro-Bulk's relief pressure line, and the four-outlet port oriented at down position to avoid the humidity going into the PRVs and guarantee proper operation.

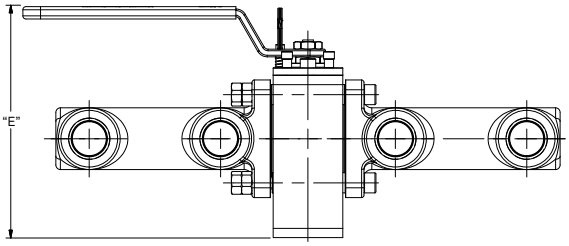
REGO 10 YEAR WARRANTY

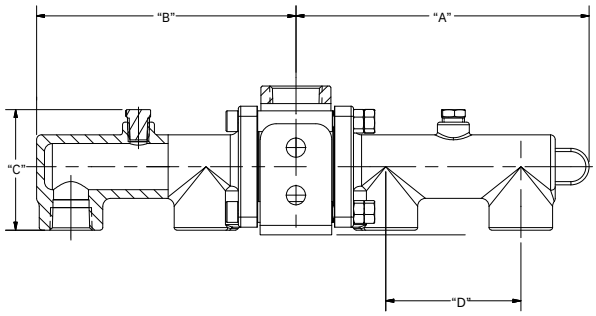
PED Certified CE

DV4108SD04

Materials

Body ..... 316 Stainless Steel ASTM A351-CF-8M (DIN 1.4408)
Ball.....316L Stainless Steel ASTM A276 (DIN 1.4006)
Seat ..... Dyneon TFM 1600
End caps.....304 Stainless Steel ASTM A743 (DIN 1.4027)
Wave springs.....Stainless Steel ASTM A313 (DIN 1.4544)
Wave spring washers 304 Stainless Steel ASTM A182 (DIN 1.5415)
Packing..... Live Loaded PTFE
Stem .....316L Stainless Steel ASTM A276 (DIN 1.4006)
Lever.....304 Stainless Steel ASTM A182 (DIN 1.5415)
Bracket .....304 Stainless Steel ASTM A182 (DIN 1.5415)





Ordering Information

Part Number	Inlet Inches (mm)	Outlet Inches (mm)	End Connection Type	Outlet Port Orientation	Bleeder Port Orientation	A Inches (mm)	B Inches (mm)	C Inches (mm)	D Inches (mm)	E Inches (mm)	Open Port	Cv (Kv)
DV4108SD04	1" (DN25)	½ (DN15)	Thread NPTF	4 ports, all opposite of inlet	¼" NFPT, same side as inlet	7.29 (185)	6.42 (163)	2.98 (76)	3.34 (85)	5.90 (150)	One Side	12.0 (10.4)
											Both Side	21.7 (18.8)
DV4108SD06		¾" (DN20)									One Side	13.3 (11.5)
											Both Side	22.5 (19.5)
DV4108SD08		1" (DN25)									One Side	16.0 (13.8)
											Both Side	25.3 (21.9)

Other outlet port orientation options available; please contact your Sales representative with inquiries.

Cryogenic ½" Pressure Builder
PB504 Series

Application

PB series cryogenic regulators are primarily designed to maintain the pressure in cryogenic containers; they may also be used as a line regulator for cryogenic lines and cold gas lines. They are specifically useful in installations where the precision in pressure control and flow capability are important. For use with oxygen, nitrogen, argon, LNG and CO_2.

Features

- All parts are copper alloy (brass), PTFE and stainless steel—materials selected specifically for compatibility with cryogenic temperatures down to -320°F. (-196° C)
- One-piece PTFE Poppet seat design eliminates possible leak paths at cryogenic temperatures and provides better guidance for improved seating, ensuring a positive shutoff.
- High and low pressure regulators are the same compact size—designed to fit in close quarters
- Customizable pressure settings between 20 - 550 psig (1.4 - 37.9 barg)
- Interchangeable with existing cryogenic regulator units
- Inlet filter (150 Mesh) helps prevent foreign material from entering the regulator
- Easier to service, use an allen wrench versus large crescent wrench
- Less field repair because diaphragm is squeezed versus twisted
- Locknut is provided to maintain adjusting screw setting
- Maximum inlet pressure of 600 psig (41.4 barg)
- Cleaned for oxygen service per CGA G-4.1
- 100% Factory Tested
- Copper Backcap Gasket reduces the possibility of external leakage at cryogenic temperatures, as the contraction coefficient is similar to that of brass

PB504

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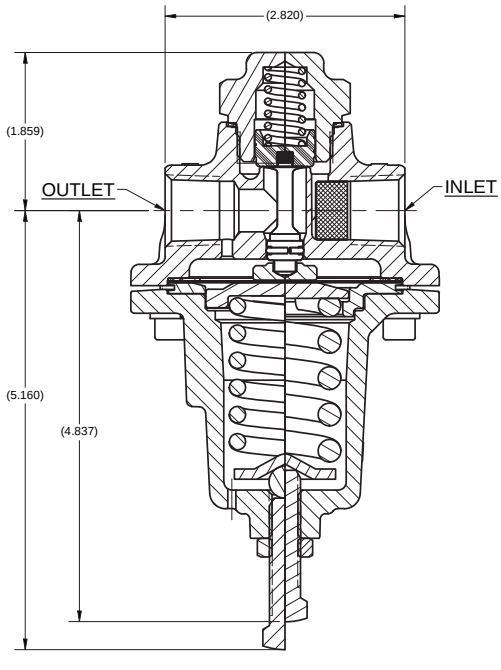
Contact your local sales representative for more information.



Materials

Body	Brass
Bonnet	Brass
Poppet	PTFE
Springs	Stainless Steel
Diaphragm Gasket	PTFE
Backcap Gasket	Copper
Diaphragm	Bronze

PB504 Series part number configuration

PB504 - 205

Series

Set Pressure psig

Ordering Information

Part Number	Inlet / Outlet Connections (F.NPT) A Inches (mm)	Delivery Pressure Setting Range psig (barg)
PB504-020 to 070	½" (12.70)	20 - 75 psig (1.4 - 5.2 barg)
PB504-071 to 175		50 - 180 psig (3.4 - 12.4 barg)
PB504-176 to 300		150 - 300 psig (10.3 - 20.7 barg)
PB504-301 to 465		250 - 465 psig (17.2 - 32.1 barg)
PB504-466 to 550		400 - 550 psig (27.6 - 37.9 barg)

Delivery pressure setting psig specified by suffix in PB regulator number. Example: An order for PB504-125 has a maximum inlet pressure rating of 600 psig (41.3 barg) and is set at an outlet pressure of 125 psig (8.6 barg).

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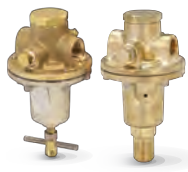
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