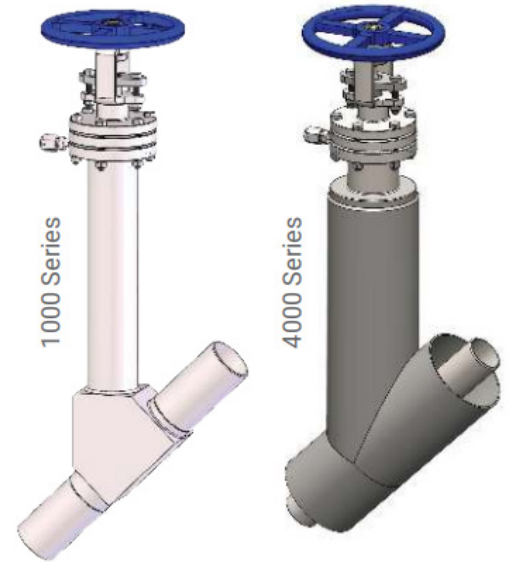


CRYOGENIC & COLD GASEOUS "Y" STYLE VALVES

1000/4000 SERIES

0 - 300 PSIG



APPLICATIONS

- Vaporizer Valve
- V&J Piping System
- Point-of-Use Valve
- Cold Box Valve
- Tank Fill Valve / Withdrawal Valve
- Trailer Valve / Manifold Systems

OPTIONS

- Cold Box Cuff
- Special Extended Length for Helium Service
- Pneumatic and Electric Actuators
- Limit Switches
- Positioners & Positioner Indicators
- Linear & Equal % Flow Plugs
- Ported Bonnet (Over-Seat Purge)
- Higher Rated Working Pressures



FEATURES

- Vacuum Jacketed (4000 Series)
- Non-Jacketed (1000 Series)
- Bellow Seal Manual
- Redundant Packing Seals
- Axially Bolted Bonnet for High Seat Loading
- Low Heat Leak Extension
- Self-Centering Plug Seal
- Quality Investment Cast Body for High Flow Values
- Easy In-line Maintenance
- Butt Weld Ends

Valve Size:

1/2" to 2" Pipe
3/4" to 1-1/2" Tube ODT



TECHNICAL DATA

Operating Ranges:

Temperature..... -425° F to +150° F
(-254° C to +65° C)

Max. Operating Pressure 300 PSIG

Materials of Construction:

Top Works & Upper Stem 316L Stainless Steel (1000 Series)
Nickel Plated Brass (4000 Series)

Body Seat Kel-F

Wetted Surfaces 316L Stainless Steel

Packing Graphite

Testing:

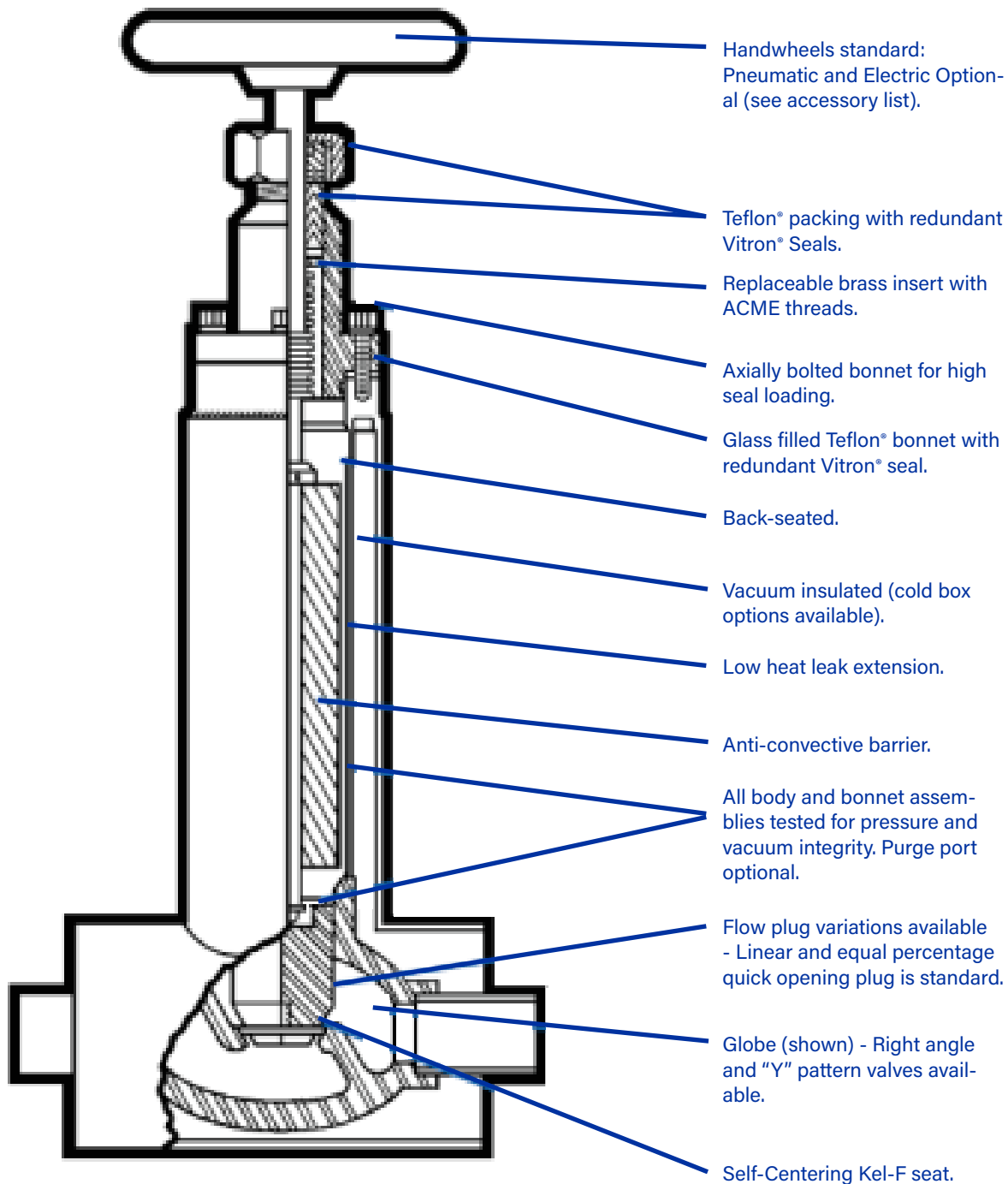
External Leakage Helium Mass Spectrometer
to 1x10⁻⁹scs GHe/sec

Seat Leakage Bubble Tight
to 150 PSIG

Proof Pressure 450 PSIG



1000/4000 SERIES 0 to 300 PSIG



1000/4000 SERIES 0 to 300 PSIG

ORDERING GUIDE

CV8 - 088 - C WPG 1 M - NJ

BASE MODEL NUMBER

CV8 Series

VALVE SIZE

084 - 1/2"
 086 - 3/4"
 088 - 1"
 812 - 1-1/2"
 816 - 2"
 824 - 3"
 832 - 4"

CLEANING

O - Oxygen (per 216-2 specification)
 C - Standard

CONFIGURATION

WPG - Pipe Size, Globe
 WTG - Tube Size, Globe
 WPY - Pipe Size, 45° "Y" Pattern
 WTY - Tube Size, 45° "Y" Pattern
 WPR - Pipe Size, 90° Angle Pattern
 WTR - Tube Size, 90° Angle Pattern

SPECIAL ADD ON

NJ - Non-Jacketed
 CB - Cold Box Cuff
 TW - Complete Top Works Kit
 SG - Soft Goods Kit:
 Packing
 Gasket
 Seat
 O-Rings

TOP WORKS

M - Manual
 A - Automatic Valve without Actuator
 B - Automatic Valve with AutoSeal
 E - Automatic Valve with AutoSeal and Control Tip - EQ%
 L - Automatic Valve with AutoSeal and Control Tip - Linear

PACKING

1 - Teflon®
 6 - Graphite



DIMENSIONS & SPECIFICATIONS

GLOBE PATTERN

Size	Assembly Part No.	A	B	C	D	E	F
1/2" Tube	CV8-084-CWTG	16.5	2.88	0.50	3.88	1.0	2.38
1/2" Pipe	CV8-084-CWPG	16.5	2.88	0.84	3.88	1.0	2.38
3/4" Tube	CV8-086-CWTG	16.5	2.88	0.75	3.88	1.0	2.38
3/4" Pipe	CV8-086-CWPG	16.5	2.88	1.05	3.88	1.0	2.38
1" Tube	CV8-088-CWTG	16.5	3.50	1.00	5.00	1.0	2.38
1" Pipe	CV8-088-CWPG	16.5	3.50	1.32	5.00	1.0	2.38
1-1/2" Tube	CV8-812-CWTG	19.5	4.00	1.50	6.00	1.0	3.5
1-1/2" Pipe	CV8-812-CWPG	19.5	4.00	1.90	6.00	1.0	3.5
2" Tube	CV8-816-CWTG	22.5	4.50	2.00	6.00	1.0	4.0
2" Pipe	CV8-816-CWPG	22.5	4.50	2.38	6.00	1.0	4.0
3" Pipe	CV8-824-CWPG	28.0	8.62	3.50	12.00	1.0	5.5
4" Pipe	CV8-832-CWPG	36.0	10.75	4.50	14.00	1.0	8.62

