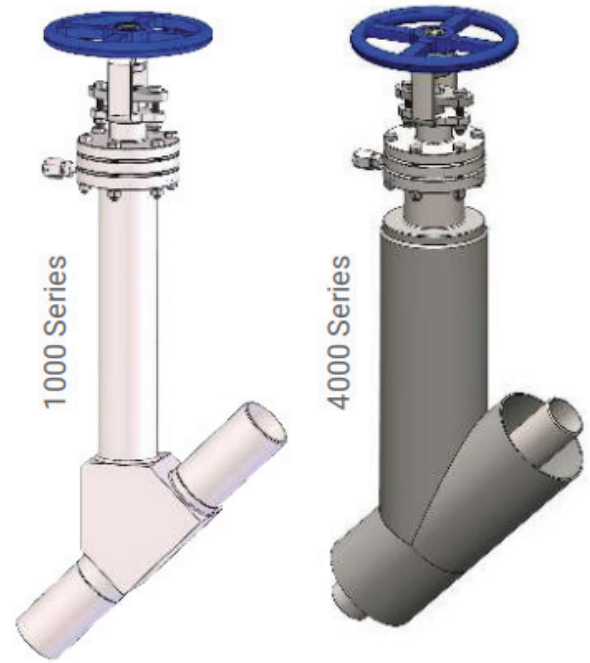


CRYOGENIC & COLD GASEOUS "Y" STYLE VALVES

1000/4000 SERIES

0 to 300 PSIG



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 Worker Pressures

FEATURES

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

OPERATING RANGES

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

Max. Operating Pressure 300 PSIG

Valve Size:

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

APPLICATIONS

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

TECHNICAL DATA

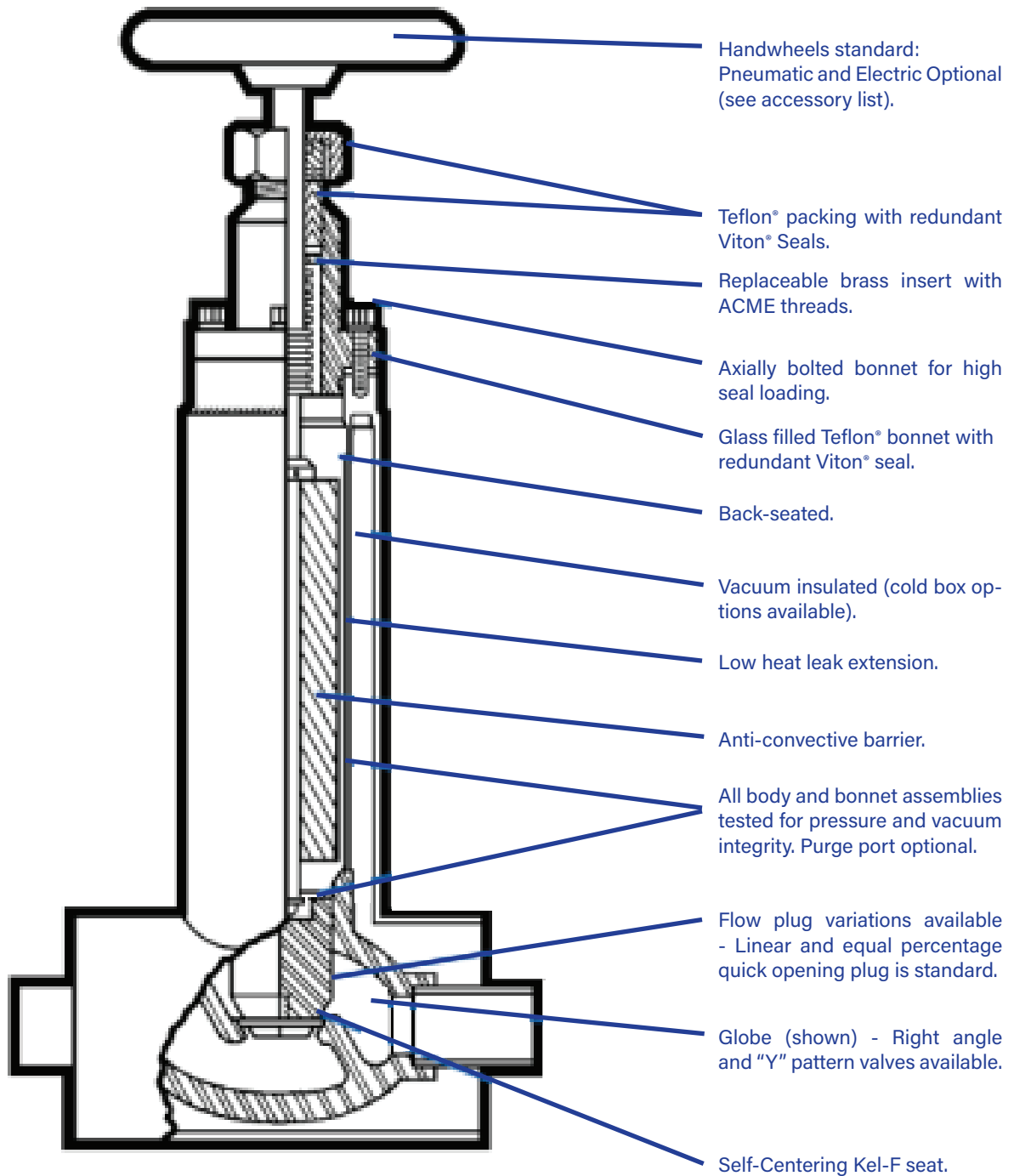
Materials of Construction:

Top Works & Upper Stem	316L Stainless Steel (1000 Series)
	Nickle Plated Brass (4000 Series)
Body Seat	Kel-F
Whetted Surfaces	316L Stainless Steel
Packing	Graphite

Testing:

External Leakage	Helium Mass spec. to 1x10 ⁻⁹ scc GHe/sec
Seat Leakage	Bubble Tight to 150 PSIG
Proof Pressure	450 PSIG

1000/4000 SERIES



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

