

Brass and Chrome Plated Cylinder Valves

O-Ring Seal Technology for all Industrial and Medical Gases

HARRISON
PRECISION VALVE PRODUCTS

Parallel / Straight Threads for Aluminum Cylinders

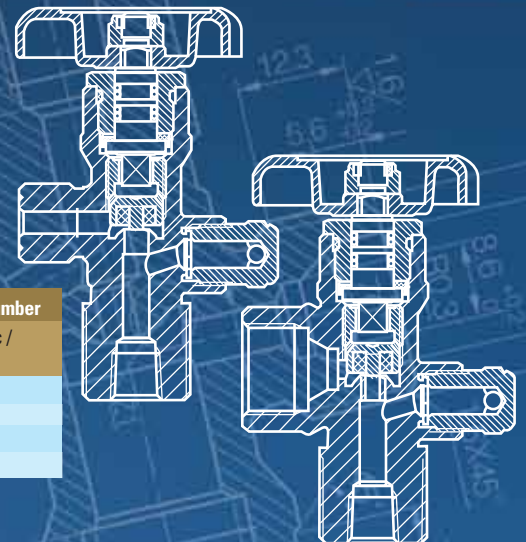
KEY FEATURES:

- O-ring seal technology provides superior leak integrity.
- Lower plugs are designed specific for the gas service intended.
- Easy operation under all pressures.
- 100% leak testing on entire production.
- Meets and exceeds CGA V9 and ISO 10297.
- Unitized plug with robust hex and threads insure easy installation.
- Most valves supplied with threaded inlet for siphon tubes.
- Oxygen valves passed stringent adiabatic oxygen compression testing per ISO 10297.
- All valves are bagged and cleaned for oxygen service per CGA G4.1.
- Common design safety and hand wheels readily available.
- All valves are supplied with inlet O-ring.



| Part Number | Gas Service | CGA | Outlet Thread | Inlet | Safety |
|---------------|--------------------------------------|-----|--------------------|---------------|--------|
| V320-3-1-XXXX | Carbon Dioxide | 320 | .725-14NGO RH EXT | .750-16UNF2A | CG1 |
| V320-5-1-XXXX | Carbon Dioxide | 320 | .725-14NGO RH EXT | 1.125-12UNF2A | CG1 |
| V326-5-1-XXXX | Nitrous Oxide | 326 | .825-14NGO RH EXT | 1.125-12UNF2A | CG1 |
| V346-5-1-XXXX | Breathing Air | 346 | .825-14NGO RH EXT | 1.125-12UNF2A | CG1 |
| V350-5-5-XXXX | Hydrogen | 350 | .825-14NGO LH EXT | 1.125-12UNF2A | CG5 |
| V500-5-1-XXXX | Medical Gas Mixture | 500 | .885-14NGO LH EXT | 1.125-12UNF2A | CG1 |
| V540-3-1-XXXX | Oxygen | 540 | .903-14NGO RH EXT | .750-16UNF2A | CG1 |
| V540-5-1-XXXX | Oxygen | 540 | .903-14NGO RH EXT | 1.125-12UNF2A | CG1 |
| V580-3-1-XXXX | Inert (Helium, Nitrogen, Argon) | 580 | .965-14NGO RH INT | .750-16UNF2A | CG1 |
| V580-5-1-XXXX | Inert (Helium, Nitrogen, Argon) | 580 | .965-14NGO RH INT | 1.125-12UNF2A | CG1 |
| V590-5-1-XXXX | Industrial Air, Sulphur Hexafluoride | 590 | .965-14NGO LH INT | 1.125-12UNF2A | CG1 |
| V660-5-1-XXXX | Sulphur Dioxide | 660 | 1.030-14NGO RH INT | 1.125012UNF2A | CG1 |

The suffix "xxxx" denotes pressure relief device burst disc rupture pressure. Refer to the safety device ordering information chart for pressures available. Chrome plating: To order, change the letter "V" in the part number to letter "CV" example: V540-6-1-xxxx becomes VC540-6-1-xxxx. Fusible backed pressure relief devices in 212F nominal melting temperatures are standard with CGA350.



| Cylinder Service Pressure In PSIG | Pressure Relief Device Stamping | Disc Rupture Range 165F | | Pressure Relief Device Replacement Part Number | |
|--------------------------------------|------------------------------------|-------------------------|---------|--|--------------------------------------|
| | | Minimum | Maximum | CG-1 Frangible Disc | CG-5 Frangible Disc / 212 Fuse Metal |
| 1800 | 3000 | 2700 | 3000 | HBV-CG1-3000 | HBV-CG5-3000 |
| 2015 | 3360 | 3025 | 3360 | HBV-CG1-3360 | HBV-CG5-3360 |
| 2265 | 3775 | 3400 | 3775 | HBV-CG1-3775 | HBV-CG5-3775 |
| 3000 | 5000 | 4500 | 5000 | HBV-CG1-5000 | HBV-CG5-5000 |

HARRISON

www.HarrisonValve.com