

# Brass and Chrome Plated Ultra High Pressure Cylinder Valves

VH Series Double O-Ring High Pressure Valves  
for Service Pressures of 3500 to 6000PSI

**HARRISON**  
PRECISION VALVE PRODUCTS

## NGT and 25E Tapered Threads

### KEY FEATURES:

- Double O-ring seal technology provides superior leak integrity at ultra high pressures.
- Robust internal components for ultra high pressure service.
- Extra heavy, robust forging for strength at high pressure and the most demanding applications.
- Easy operation under all pressures.
- 100% leak testing on entire production.
- Meets and exceeds CGA V9 and ISO 10297.
- Passed stringent adiabatic oxygen compression testing per ISO 10297.
- All valves bagged for cleanliness no matter the gas service intended.
- Lower plugs are designed specific for the gas service intended.
- Unitized plug with robust hex and threads insure easy installation.
- Common design safety and handwheels readily available.
- Most valves are tapped for siphon tubes.

Part Number	CGA	Inlet	Safety
VH347-6-1-XXXX	347	3/4 NGT	CG1 Disc Only
VH347-6-1-XXXX-24	347	3/4 NGT+24	CG1 Disc Only
VH347-25E-1-5835	347	25E	CG1 Disc Only
VHC347-6-1-XXXX	347	3/4 NGT	CG1 Disc Only
VHC347-6-1-XXXX-24	347	3/4 NGT+24	CG1 Disc Only
VHC347-25E-1-XXXX	347	25E	CG1 Disc Only
VH702-6-1-XXXX	702	3/4 NGT,	CG1 Disc Only
VH702-25E-1-XXXX	702	3/4 NGT	CG1 Disc Only
VH701-6-1-XXXX	701	3/4 NGT	CG1 Disc Only
VH701-25E-1-XXXX	701	25E	CG1 Disc Only
VH680-6-1-XXXX	680	3/4 NGT	CG1 Disc Only
VH680-6-1-XXXX-24	680	3/4 NGT+24	CG1 Disc Only
VH680-25E-1-XXXX	680	25E	CG1 Disc Only
VH677-6-1-XXXX	677	3/4 NGT	CG1 Disc Only
VH677-25E-1-XXXX	677	25E	CG1 Disc Only
VH695-6-5-XXXX	695	3/4 NGT	CG5 Fusible 212F
VH695-25E-5-XXXX	695	25E	CG5 Fusible 212F
VH703-6-1-XXXX	703	3/4 NGT	CG1 Disc Only
VH703-6-5-XXXX	703	3/4 NGT	CG5 Fusible 212F

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 "VH" in the part number to letter "VHC".

Fusible backed pressure relief devices in 212F nominal melting temperatures are standard with flammable gases. Change the numeral in position 6 from a "1" to "5" for all valves requiring 212F fusible metal safeties.

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
3500	5835	5250	5835	HBV-CG1-5835	HBV-CG5-5835
4500	6750	6750	6750	HBV-CG1-6750	HBV-CG5-6750
6000	10000	9000	10000	HBV-CG1-10000	HBV-CG5-10000



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