

Brass Cylinder Hi/Lo Valves with Integral Regulator

VHD Series Double O-Ring High Pressure Valves for Service Pressures of 3500-4500PSI

HARRISON

PRECISION VALVE PRODUCTS

NGT and 25E Tapered Threads

Designed for use in high capacity 4500PSI cylinders, the Harrison VHD Series incorporates an integral regulator that reduces standard delivery pressure to 700-1000PSI maximum outlet pressure on the standard 3000PSI outlet. This unique product allows for gas companies to deliver higher capacity 4500PSI cylinders to customer locations with common 3000PSI apparatus.

KEY FEATURES:

- Fill the higher pressure port (347,680 or 701) to 4500PSI, gas service is safely supplied through the (346,580 or 540) 3000PSI outlet at 700-1000PSI.
- Regulator is cyclic tested to exceed the life of the typical cylinder hydrostatic test life.
- The dual outlet design enables use of the lower, or higher cylinder working pressure from the same cylinder package.
- Breathing air and oxygen models are designed with a copper beryllium spring for compatibility with oxygen and breathing air mixtures.
- The 3000PSI outlet is protected with a secondary 2800-3000PSI safety device to protect downstream equipment.
- No special filling adaptors are required.
- 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.
- Unitized plug with robust hex and threads insure easy installation.
- Common design safety and hand wheels readily available..



Part Number	Gas Service	HP Fill Port	Regulated Outlet	Inlet	Safety
VHD347-346-6-1-6750	Air	347	346	3/4"NGT	CG1, 6750PSI
VHD347-346-25E-1-6750	Air	347	346	25E	CG1, 6750PSI
VHD347-346-6-1-6750-24	Air	347	346	3/4"NGT 240S	CG1, 6750PSI
VHD680-580-6-1-6750	Inert	680	580	3/4"NGT	CG1, 6750PSI
VHD680-580-25E-1-6750	Inert	680	580	25E	CG1, 6750PSI
VHD680-580-6-1-6750-24	Inert	680	580	3/4"NGT 240S	CG1, 6750PSI
VHD701-540-6-1-6750	Oxygen	701	540	3/4"NGT	CG1, 6750PSI
VHD701-540-25E-1-6750	Oxygen	701	540	25E	CG1, 6750PSI
VHD701-540-6-1-6750-24	Oxygen	701	540	3/4"NGT 240S	CG1, 6750PSI

Service Pressure	Safety	Min. Burst	Max. Burst	Part Number
3500	5835	5250	5835	HBV-CG1-5835
4500	6750	6750	6750	HBV-CG1-6750

HARRISON

www.HarrisonValve.com