

Brass Cylinder Hi/Lo Valves with Integral Regulator

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

Fill the high-pressure port (347, 680, or 701) to 4500PSI; gas is delivered through the 3000PSI outlet (346, 580, or 540) at 700–1000PSI.

Regulator is cycle-tested to exceed typical cylinder life, ensuring long-term durability.

Dual outlets support both lower and higher pressures from the same cylinder.

Copper beryllium spring ensures compatibility with oxygen and breathing air mixtures.

3000PSI outlet protected by a secondary 2800–3000PSI safety device.

Robust forged components and double O-ring seals provide superior strength and leak protection in ultra-high-pressure applications.

No special adapters needed for filling; easy operation at all pressure levels.

100% leak tested, meeting and exceeding CGA V9 and ISO 10297 standards including stringent adiabatic oxygen compressing testing.

Valves are bagged for cleanliness in all gas services.

Unitized plug with hex and threads for easy installation; common safety device and hand wheels are widely available.



NGT and 25E Tapered Threads

PART NUMBER	GAS SERVICE	HP FILL PORT	REGULATED OUTLET	INLET	SAFETY
VHD347-346-6-1-6750	Air	347	346	3/4" NGT	CGI, 6750PSI
VHD347-346-25E-1-6750	Air	347	346	25E	CGI, 6750PSI
VHD347-346-6-1-6750-24	Air	347	346	3/4" NGT 240S	CGI, 6750PSI
VHD680-580-6-1-6750	Inert	680	580	3/4" NGT	CGI, 6750PSI
VHD680-580-25E-1-6750	Inert	680	580	25E	CGI, 6750PSI
VHD680-580-6-1-6750-24	Inert	680	580	3/4" NGT 240S	CGI, 6750PSI
VHD701-540-6-1-6750	Oxygen	701	540	3/4" NGT	CGI, 6750PSI
VHD701-540-25E-1-6750	Oxygen	701	540	25E	CGI, 6750PSI
VHD701-540-6-1-6750-24	Oxygen	701	540	3/4" NGT 240S	CGI, 6750PSI

SERVICE PRESSURE	SAFETY	MIN. BURST	MAX. BURST	PART NUMBER
3500	5835	5250	5835	HBV-CGI-5835
4500	6750	6750	6750	HBV-CGI-6750



VHD680-580-6-1-6750-24



VHD701-540-6-1-6750-24