

Valves and Fittings

Parr stocks and can install a wide variety of valves and fittings for use with reactors and pressure vessels. These include:

- Needle Valves with NPT or tube connection.
- Regulating Valves with NPT or tube connection.
- Ball Valves with NPT or tube connection.
- High Pressure Valves
- Severe Service Valves
- Remote Operating Valves
- Tube Connectors
- Pipe Connectors
- Plugs
- Union Coupling Adapters

Please contact our customer service department for details.

Manual Control Valves for Compressed Gas Tanks

Tank valves with couplings to fit standard compressed gas cylinders are available in stainless steel for corrosive gases and in nickel plated brass for non-corrosive gases. The brass valves have a 2-1/2" diameter pressure gage which shows the tank pressure. Both styles have a 1/4" NPT female outlet which will accept any pressure hose or gas tube assembly. These valves do not regulate the delivery pressure of the gas. Pressure regulators are available on special order.

T303 Stainless Steel Valves-No Gage

Fits CGA Tank Valve No.	Outlet No.	Typical Usage
A120VBPN	510	Propane, butane, ethylene oxide
A120VBPP	660	Chlorine, sulfur dioxide, nitric oxide

Nickel-Plated Brass Valves with Cylinder Pressure Gage

Fits CGA Tank Valve No.	Outlet No.	Typical Usage
A120VBPQ	320	Carbon dioxide, methyl bromide
A120VBPR	350	Hydrogen, carbon monoxide, ethylene
A120VBPS	540	Oxygen
A120VBPT	580	Nitrogen, argon, helium
A120VBPU	590	Air

Note: Can be furnished with DIN/BSP connections on special order

Safety Check Valves



364VB Check Valve

Whenever gases or liquids are introduced into a vessel under pressure, the supply pressure must be greater than the pressure in the vessel to prevent reverse flow back into the supply system. Protection against reverse flow can be obtained by installing a check valve in the supply line. With a check valve in the line, the valve will snap shut if the supply pressure is lower than the pressure in the vessel. This protection is particularly important on stirred reactors

where gas enters through a dip tube. With liquids in the vessel, any back pressure will force liquid back into the gas tank or into the gas supply system.

Parr stocks the poppet check valves for incorporation into the user's supply lines. These valves are typically constructed of T316SS with FKM O-rings with a 10 psi cracking pressure. Alternate O-ring materials and cracking pressures are available upon request.