

Pressure Hoses

Three different pressure hose assemblies are available for high pressure gas connections to both stirred and non-stirred vessels. The standard hose is a 6 foot length with a male "A" socket connector on one side and a 1/8" NPT (M) nipple with a 1/4" NPT (M) bushing on the other end. The "A" socket side of the hose attaches to couplings installed on the inlet valve of all stirred reactors and non-stirred vessels, as well as to a side port of the gage block assembly. The choice of either 1/8" NPT or 1/4" NPT on the opposite end of the hose allows for attachment to most gas tank valves, pressure regulators or other gas supply sources.

The A495HC Hose Assembly is made of nylon. It is rated for 2500 psi and is very flexible and easy to use with dry, non-corrosive gases (nitrogen, hydrogen and oxygen). Care must be taken to ensure that the nylon hose does not come in direct contact with any hot surfaces on the vessel or heater. One of these hoses is included with each complete Parr Series 4500, 5100, and 5500 Stirred Pressure Reaction Apparatus.

The A490HC Hose Assembly is a braided, stainless steel hose with a PTFE lining, rated for 2500 psi. It is reasonably flexible and recommended for use with corrosive gases and liquids, and for applications



**A506HC
Pressure Tube**



**A490HC
Pressure Hose**



A495HC Pressure Hose

requiring additional abrasion resistance, but it is not intended for high temperature liquids or gases.

The A506HC Tube Assembly is a 6-foot length of 1/8" OD stainless steel tubing, rated for 7500 psi. This small diameter tubing is "bendable", but it is not as flexible as the other hoses. It is recommended for corrosive gases, high temperature transfers and other high pressure applications. Special versions of this assembly can be made of other corrosion resistant materials. Larger tubing can be used, but it is rigid rather than flexible.

Special hoses with different lengths or end fittings can be assembled for special orders.

Pressure Hose

A495HC	Pressure Hose Assembly, 6-ft, reinforced Nylon
A495HC5	Pressure Hose Assembly, 6-ft, reinforced Nylon, with check valve
A495HC7	Pressure Hose Assembly, 10-ft, reinforced Nylon
A495HC8	Pressure Hose Assembly, 10-ft, reinforced Nylon, with check valve
A490HC	Pressure Hose Assembly, 6-ft, PTFE-lined, braided stainless steel
A490HC5	Pressure Hose Assembly, 6-ft, PTFE-lined, braided stainless steel, with check valve
A506HC	Pressure Tube Assembly, 6-ft, 1/8-in OD, T316SS
A506HC2	Pressure Tube Assembly, 6-ft, 1/8-in OD, T316SS, with check valve

Alternate lengths available upon request.