

**Rubber hoses**  
 manufactured according EN ISO 14113  
 for technical gases up to purity 4.5, free of oil and grease

Not suitable for the use of oxygen and acetylene!!!

**Hose Description**

Ø 6mm Polyamide inner tube with high tensile carbon steel wire(brass plated) & cover Polyurethane pricked Cleaned to Industrial gas standard

**End Fittings/Connections**

1/4" NPT Fixed Female- galvanized steel

**International Standards approvals**

EN ISO 14113 – Gas welding equipment — Rubber and plastics hose and hose assemblies for use with industrial gases up to 450 bar

**Bending**

Min Bend Radius 45mm

**Pressures**

Maximum Test Pressure 450 Bar Pneumatic  
 Working Pressure 300 Bar Minimum Burst Pressure 1300 Bar

**Hose Temperature Design**

-40°C / +96°C (please note the temperature reduction factors)  
 UV and OZone resistant

**DATA SHEET**  
**HIGH PRESSURE HOSE TYPE PA**



POLYAMIDE  
 WIRE BRAID  
 POLYURETHANE

**CONSTRUCTION:**

- ▣ Inner tube : Polyamide
- ▣ Reinforcement: high tensile brass plated carbon steel
- ▣ Cover : Polyurethane

**APPLICATION**

- ▣ High pressure painting
- ▣ High pressure hydraulics
- ▣ High pressure solvent, paint, chemicals
- ▣ High pressure water-jetting

**TEMPERATURE RANGE**

-40°C to 98°C, -40°F to 208°F

**PROPERTIES**

- ▣ Excellent flexibility and flex-fatigue
- ▣ Extreme abrasion resistance
- ▣ Static free, 100% conductive
- ▣ Low diffusion rate and low flow resistance
- ▣ UV and Ozone resistant
- ▣ Suitable for all mineral based hydraulic oils
- ▣ Suitable for many different gases acc. to ISO 11414
- ▣ Suitable for reusable couplings

**TECHNICAL SPECIFICATIONS PA1.X**

HOSE TYPE	PA 1.2	PA 1.3	PA1.4	PA 1.5	PA 1.6	PA 1.8
NOMINAL BORE METRIC	3	4	6	8	10	12
HOSE I.D. INCH	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"
HOSE I.D. MILLIMETER	3,2	4,8	6,4	8,0	9,6	12,7
HOSE O.D. MILLIMETER	7,0	9,3	11,7	13,7	15,2	18,5
MAX.OPERATING PRESSURE	In Bar	350	350	325	275	250
	In PSI	5'100	5'100	4'700	4'000	3'600
MINIMUM BURST PRESSURE @ 20°C	In Bar	1'400	1'400	1'300	1'100	1'000
	In PSI	20'300	20'300	18'850	16'000	14'400
MINIMUM BEND RADIUS IN MILLIMETER		25	35	45	50	60
NOMINAL WEIGHT in GRAMS PER METER		60	105	160	200	230
				200	230	310

**Note: UPON SPECIAL REQUEST**

- ▣ HOSE ASSEMBLIES are all fitted with white zinc finished steel couplings swaged permanently to the hose
- ▣ STAINLESS STEEL COUPLINGS available on request