

HIGH PRESSURE FLUID SYSTEM COMPONENTS

PAC Stainless supplies the tubing and accessories that are required for high pressure applications. Medium Pressure (up to 20,000 psi), High Pressure (30,000 through 60,000 psi), and Ultra-High Pressure (100,000 through 150,000 psi) solutions are offered for tubing, valves, and fittings. Tubes are manufactured by Sandvik Materials Technology and provided in random lengths between 20' and 25' long and are available in 316L and HP160™ grade stainless steel.

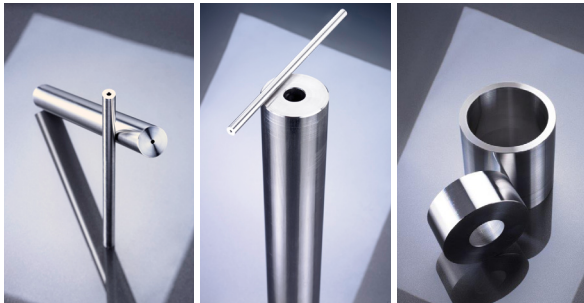


PRODUCTION SPECIFICATIONS

ASTM A213, ASTM A269

MECHANICAL PROPERTIES & FABRICATION

All tubing is seamless, austenitic, 1/8 hard, cold-drawn, tested and inspected to meet maximum strength and performance. All parts are designed in accordance to the high pressure valve industry standard practices. Pressure boundary component wall thickness are designed in accordance with ASME B31.3 Chapter IX, High Pressure Piping, Equation 35b.



Catalog Number	Nominal OD	Service Rating 1 (PSI)	OD Tolerance	ID Tolerance
15TU16M	1"	15,000	0.995 / 0.990	0.682 / 0.687
15TU24M	1-1/2"	15,000	1.495 / 1.490	0.932 / 0.937
20TU4M	1/4"	20,000	0.248 / 0.243	0.104 / 0.109
20TU6M	3/8"	20,000	0.370 / 0.365	0.198 / 0.203
20TU9M	9/16"	20,000	0.557 / 0.552	0.370 / 0.312
20TU12M	3/4"	20,000	0.745 / 0.740	0.432 / 0.437
20TU16M	1"	20,000	0.995 / 0.990	0.557 / 0.562
30TU9H	9/16"	30,000	0.557 / 0.552	0.307 / 0.312
40TU9H	9/16"	40,000	0.557 / 0.552	0.245 / 0.250
43TU16H	1"	43,000	0.995 / 0.990	0.432 / 0.438
60TU2H	1/8"	60,000	0.128 / 0.123	0.016 / 0.020
60TU4H	1/4"	60,000	0.248 / 0.243	0.079 / 0.083
60TU6H	3/8"	60,000	0.370 / 0.365	0.121 / 0.125
60TU9H	9/16"	60,000	0.557 / 0.552	0.182 / 0.187
60TU12H	3/4"	60,000	0.745 / 0.740	0.245 / 0.250

All Pressure Ratings are approximate and for illustration purposes only. Values are not Guaranteed or Warranted.

TYPICAL APPLICATIONS

- Oil & Gas
- Surface & Subsea
- Hydraulic
- Test Benches
- Waterjet Cutting
- Chemical Injections & Sampling

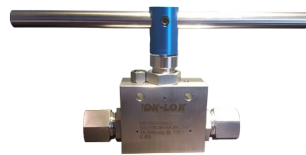
HIGH PRESSURE FITTINGS & VALVES



Fittings & Adapters

Connection Sizes - 1/4" to 1 1/2"
MAWP - 60,000 PSI

- Pipe fittings MAWP up to 15,000 PSI
- Cone and Thread MAWP up to 60,000 PSI
- 316 cold worked stainless steel
- Exotic materials available
- Variety of end connections and sizes
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Ball Valves

Connection Sizes - 1/4" to 1 1/2"
MAWP - 60,000 PSI

- Pipe fittings MAWP up to 15,000 PSI
- Cone and Thread MAWP up to 60,000 PSI
- 316 cold worked stainless steel
- Exotic materials available
- Variety of end connections and sizes
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- Variety of end connections and sizes



Needle Valves

Connection Sizes - 1/4" to 1 1/2"
MAWP - 60,000 PSI

- Pipe fittings MAWP up to 15,000 PSI
- Cone and Thread MAWP up to 60,000 PSI
- 316 cold worked stainless steel
- Exotic materials available
- Variety of end connections and sizes
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- Variety of end connections and sizes



Check Valves

Connection Sizes - 1/4" to 1 1/2"
MAWP - 60,000 PSI

- Pipe fittings MAWP up to 15,000 PSI
- Cone and Thread MAWP up to 60,000 PSI
- 316 cold worked stainless steel
- Exotic materials available
- Variety of end connections and sizes
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