

Instrumentation Fittings

Applications

- High pressure
- High temperature
- Nitrogen
- Helium
- Flammable gases
- Hydraulic gases
- Corrosive media
- Pneumatic automation

Installation Instructions

1. Cut tubing squarely and clean tube end thoroughly to remove burrs.
2. Insert the tubing into the assembly making sure the tubing seats firm against the shoulder of the body and the nut is finger tight.
3. Tighten the nut with a wrench 1-1/4 turns while holding the body with a second wrench.

Features

- Instrumentation fittings come completely assembled
- Double collet (ferrule) swaging action
- Two positive seal points

Suggested Working Pressures (PSI)

Wall Thk.	.028	.035	.049	.065	.083	.095	.109
1/4"	4,000	5,100	7,500	10,100	---	---	---
3/8"	---	3,300	4,700	6,600	---	---	---
1/2"	---	2,600	3,700	5,000	6,600	---	---
5/8"	---	---	2,900	3,900	5,200	6,000	---
3/4"	---	---	2,400	3,200	4,200	4,900	5,700

Specifications

- Temperature range: **-325°F to 1200°F (-198°C to 648°C)**
- Pressure ratings: see chart to the left; ratings listed are for reference only

Safety Guidelines

- Never connect, disconnect, or remake a fitting with pressure in the system.
- Make sure all fittings are properly installed.
- It is not recommended to go beyond the pressure rating of the tubing. Elongation could occur in the tubing, shrinking the wall thickness and causing potential harm.
- For proper sealing, it is recommended that the tubing and fittings be of like material.
- Always use proper thread lubricant and sealants on tapered pipe threads.
- Never bleed a system by loosening a fitting.

Approvals

- ASTM 316 stainless steel material construction
- Fully interchangeable with Swagelok® and Parker A-Lok®; all fittings are ASTM F1387 Certified

Male Connectors



Tube O.D.	Male NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	1/8"-27	200-1-2	2-DMC-2	10
	1/4"-18	200-1-4	2-DMC-4	10
1/4"	1/8"-27	400-1-2	4-DMC-2	10
	1/4"-18	400-1-4	4-DMC-4	10
	3/8"-18	400-1-6	4-DMC-6	10
	1/2"-14	400-1-8	4-DMC-8	10
3/8"	1/4"-18	600-1-4	6-DMC-4	10
	3/8"-18	600-1-6	6-DMC-6	10
	1/2"-14	600-1-8	6-DMC-8	10
1/2"	1/4"-18	810-1-4	8-DMC-4	10
	3/8"-18	810-1-6	8-DMC-6	10
5/8"	1/2"-14	810-1-8	8-DMC-8	10
	1/2"-14	1010-1-8	10-DMC-8	10
3/4"	1/2"-14	1210-1-8	12-DMC-8	10
	3/4"	1210-1-12	12-DMC-12	10
	1"	1210-1-16	12-DMC-16	10
1"	3/4"	1610-1-12	16-DMC-12	10
	1"	1610-1-16	16-DMC-16	10

Female Connectors



Tube O.D.	Female NPT	Interchanges	316 Stainless Steel Part #	Pkg Qty
1/8"	1/8"-27	200-7-2	2-DFC-2	10
1/4"	1/8"-27	400-7-2	4-DFC-2	10
	1/4"-18	400-7-4	4-DFC-4	10
3/8"	1/4"-18	600-7-4	6-DFC-4	10
	1/2"-14	600-7-8	6-DFC-8	10
1/2"	1/2"-14	810-7-8	8-DFC-8	10
5/8"	1/2"	1010-7-8	10-DFC-8	10
3/4"	1/2"	1210-7-8	12-DFC-8	10
	3/4"	1210-7-12	12-DFC-12	10
1"	1"	1610-7-16	16-DFC-16	10