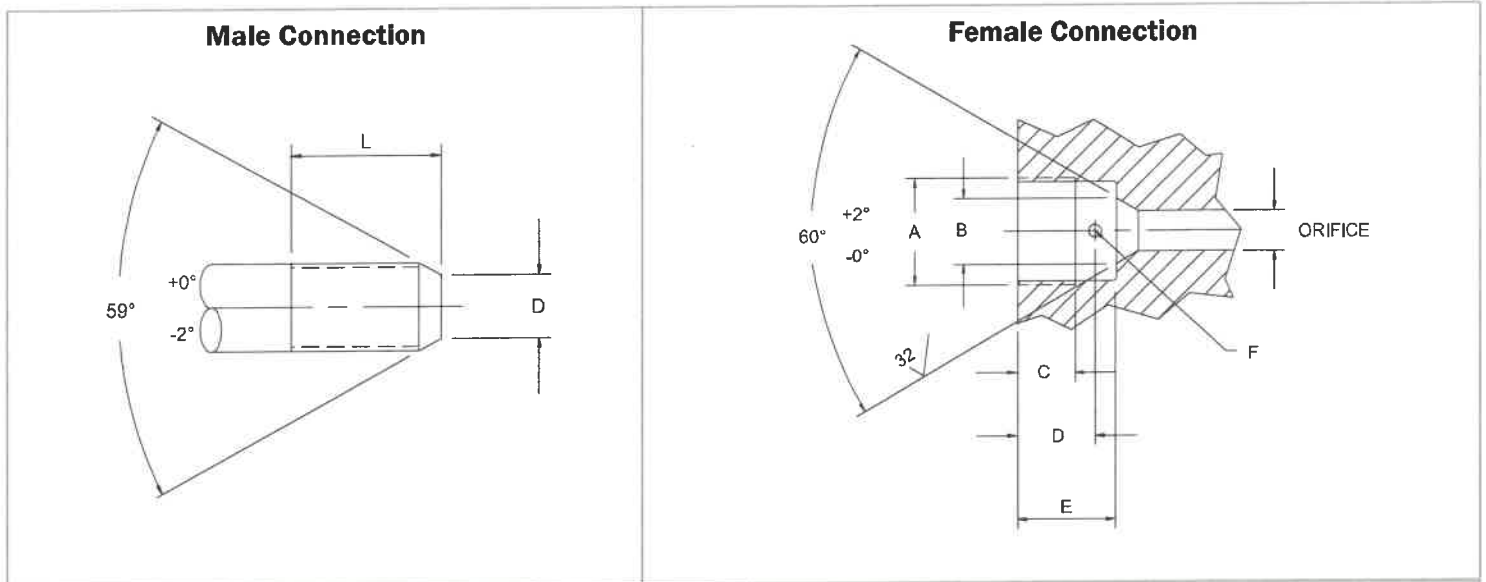


Tools & Installation

Tube Connection Details



Tubing Size O.D. x I.D. (In.)	Tubing Pressure (psi @ R.T)	Dimension (in.)				Male Conn. Type	Female Conn. Type	Dimension (in.)						
		D	L	Left Hand Thread **	A**			B	C	D	E	F*	Orifice*	Tubing Engagement Allowance
Medium Pressure														
1/4 x .109	22,500	0.141	0.344	1/4-28	4MM	4MF	7/16-20	0.19	0.280	0.375	0.50	.093	0.125	0.55
3/8 x .203	22,500	0.250	0.438	3/8-24	6MM	6MF	9/16-18	0.31	0.380	0.500	0.62	.093	0.219	0.69
9/16 x .312	22,500	0.406	0.500	9/16-18	9MM-22	9MF	13/16-16	0.50	0.440	0.594	0.750	.093	0.312	0.83
9/16 x .359	15,200	0.438	0.500	9/16-18	9MM-15									
3/4 x .438	22,500	0.562	0.625	3/4-16	12MM-22	12MF	3/4-14 NPS***	0.625	0.500	0.719	0.938	.156	0.438	0.99
3/4 x .516	15,200	0.578	0.625	3/4-16	12MM-15									
1 x .562	22,500	0.719	0.781	1-14	16MM-22	16MF	1-3/8-12	0.875	0.813	1.063	1.313	.188	0.562	1.38
1 x .688	15,200	0.812	0.781	1-14	16MM-15									
1 1/2 X .937	15,200	1.062	1.000	1 1/2-12	24MM	24MF	1-7/8-12	1.375	1.000	1.295	1.590	.188	0.937	1.88
High Pressure														
1/4 x .083	65,000	0.125	0.562	1/4-28	4HM	4HF	9/16-18	0.172	0.380	0.375	0.438	.093	.093	0.50
3/8 x .125	65,000	0.219	0.750	3/8-24	6HM	6HF	3/4-16	0.266	0.531	0.563	0.625	.093	.125	0.69
9/16 x .188	65,000	0.281	0.938	9/16-18	9HM	9HF	1-1/8-12	0.375	0.625	0.656	0.750	.093	0.188	0.84
9/16 X .250	40,000	0.312	0.938	9/16-18	9HM-40									0.81
1 X .438	43,000	0.562	0.910	1-14	16MM	16MF	1-3/8-12	0.875	0.813	1.062	1.313	.188	0.438	1.62
Ultra High Pressure														
1/4 x .083	101,000	0.125	0.562	1/4-28	4UM	4UF	9/16-18	0.172	0.380	0.375	0.438	.093	.093	0.50
3/8 x .125	101,000	0.219	0.750	3/8-24	6UM	6UF	3/4-16	0.266	0.531	0.563	0.625	.093	.125	0.69
9/16 x .188	101,000	0.281	0.938	9/16-18	9UM	9UF	1-1/8-12	0.375	0.625	0.656	0.750	.093	.188	0.84
5/16 x .062	152,000	0.125	0.687	5/16-24	5UM	5UF	5/8-18	0.250	0.625	0.938	1.062	.093	.093	1.25

* Port diameters may vary depending on specific valve or fitting component type.
See actual component catalog page for orifice sizes and pressure ratings.

** Unified National Fine thread, Class 2A & 2B.

***National Pipe Straight thread

.0005 Dimensions = ± .005 Tolerance

All 59° & 60° surfaces require a 32 rms Finish

All dimensions are for references only and are subject to change.