



FOR METRIC TUBES								
T TUBE O.D.	MALE BSPT / NPT PIPE SIZE	DIMENSION						
		A	B	D	E	F	G	H
3	1/8	32.0	10	12.9	2.5	12	7/16	25.0
3	1/4	35.0	13	12.9	2.5	14	7/16	28.0
4	1/8	31.5	10	13.7	2.5	12	12	24.6
4	1/4	35.5	13	13.7	2.5	14	12	28.7
6	1/8	33.0	10	15.3	5.0	12	9/16	25.4
6	1/4	37.0	13	15.3	5.0	14	9/16	29.2
6	3/8	38.5	14	15.3	5.0	17	9/16	30.0
6	1/2	42.0	17	15.3	5.0	22	9/16	34.6
8	1/8	34.5	10	16.2	6.0	14	5/8	26.7
8	1/4	38.0	13	16.2	6.0	14	5/8	30.2
8	3/8	39.5	14	16.2	6.0	17	5/8	31.8
8	1/2	44.0	17	16.2	6.0	22	5/8	35.3
10	1/8	36.5	10	17.2	6.0	17	19	28.7
10	1/4	40.0	13	17.2	7.0	17	19	32.3
10	3/8	41.0	14	17.2	8.0	17	19	33.3
10	1/2	44.0	17	17.2	8.0	22	19	36.1
12	1/8	39.0	10	22.8	6.0	20	7/8	28.7
12	1/4	42.5	13	22.8	7.0	20	7/8	32.3
12	3/8	43.5	14	22.8	10.0	20	7/8	33.3
12	1/2	46.5	17	22.8	10.0	22	7/8	36.1
12	3/4	49.0	19	22.8	10.0	27	7/8	40.0
12	1	56.0	22	22.8	10.0	35	7/8	46.0
14	3/8	44.5	14	24.4	9.5	24	25	34.0
14	1/2	47.5	17	24.4	12.0	24	25	37.0
14	3/4	50.5	19	24.4	12.0	27	25	40.0
15	3/8	44.5	14	24.4	9.5	24	25	34.0
15	1/2	47.0	17	24.4	12.0	24	25	36.9
15	3/4	50.5	19	24.4	12.0	27	25	40.0
16	3/8	44.5	14	24.4	10.0	24	25	34.0
16	1/2	47.0	17	24.4	12.0	24	25	36.9
16	3/4	49.0	19	24.4	12.0	27	25	38.9
18	1/2	48.5	17	24.4	12.0	27	30	38.0
18	3/4	50.5	19	24.4	15.0	27	30	40.0
18	1	56.5	22	24.4	16.0	35	30	46.0
20	1/2	48.0	17	26.0	12.0	30	32	39.0
20	3/4	50.0	19	26.0	15.0	30	32	41.0
20	1	55.0	22	26.0	18.0	35	32	46.0
22	1/2	48.5	17	26.0	12.0	30	32	39.0
22	3/4	50.5	19	26.0	15.0	30	32	41.0
22	1	55.5	22	26.0	18.0	35	32	46.0
25	1/2	55.5	17	31.3	12.0	35	1-1/2	43.0
25	3/4	57.5	19	31.3	15.0	35	1-1/2	45.0
25	1	60.5	22	31.3	20.0	35	1-1/2	48.0

FOR FRACTIONAL TUBES								
T TUBE O.D.	MALE BSPT / NPT PIPE SIZE	DIMENSION						
		A	B	D	E	F	G	H
1/16	1/8	27.0	10	8.6	1.5	10	10	23.0
1/16	1/4	30.0	13	8.6	1.5	14	10	26.0
1/8	1/8	30.5	10	12.7	2.5	12	7/16	23.9
1/8	1/4	34.5	13	12.7	2.5	14	7/16	28.0
1/8	3/8	37.0	14	12.7	2.5	17	7/16	30.0
1/8	1/2	41.0	17	12.7	2.5	22	7/16	34.0
3/16	1/8	32.0	10	13.7	2.5	12	12	25.0
3/16	1/4	35.0	13	13.7	2.5	14	12	28.0
1/4	1/8	33.0	10	15.2	5.0	12	9/16	25.4
1/4	1/4	37.0	13	15.2	5.0	14	9/16	29.5
1/4	3/8	38.5	14	15.2	5.0	17	9/16	30.0
1/4	1/2	43.0	17	15.2	5.0	22	9/16	34.0
3/8	1/8	35.5	10	16.8	6.0	16	11/16	28.0
3/8	1/4	39.0	13	16.8	7.0	16	11/16	31.5
3/8	3/8	40.0	14	16.8	8.0	17	11/16	32.5
3/8	1/2	44.5	17	16.8	8.0	22	11/16	36.9
3/8	3/4	48.0	19	16.8	8.0	27	11/16	40.4
1/2	1/8	39.0	10	22.9	6.0	20	7/8	28.7
1/2	1/4	42.5	13	22.9	7.0	20	7/8	32.3
1/2	3/8	43.5	14	22.9	10.0	20	7/8	33.3
1/2	1/2	47.0	17	22.9	10.0	22	7/8	36.9
1/2	3/4	50.5	19	22.9	10.0	27	7/8	40.4
1/2	1	56.5	22	22.9	10.0	35	7/8	44.0
5/8	3/8	44.5	14	24.4	10.0	24	25	34.0
5/8	1/2	47.0	17	24.4	12.0	24	25	36.9
5/8	3/4	50.5	19	24.4	12.0	27	25	40.4
3/4	1/2	49.0	17	24.4	12.0	27	1-1/8	38.4
3/4	3/4	50.5	19	24.4	16.0	27	1-1/8	41.0
3/4	1	55.5	22	24.4	16.0	35	1-1/8	45.0
1	1/2	55.5	17	31.2	12.0	35	1-1/2	42.0
1	3/4	57.5	19	31.2	16.0	35	1-1/2	44.0
1	1	60.5	22	31.2	22.0	35	1-1/2	47.0

* The A and D dimensions are in finger-tight.
 * The E dimension is the minimum nominal opening.
 * Fraction numbers are in inch size; the others are in mm size.
 * Dimensions are for reference only, and are subject to change without notice.