



FOR METRIC TUBES										
T TUBE O.D.	FEMALE BSPT / NPT PIPE SIZE	DIMENSION								
		A	B	D	E	F	G	H	J	K
4	1/8	25.5	19.3	13.7	2.5	14	12	18.3	37.6	45.0
4	1/4	28.0	23.6	13.7	2.5	17	12	20.7	44.3	51.5
6	1/8	27.0	19.1	15.3	5.0	14	9/16	19.6	38.7	46.0
6	1/4	30.0	22.4	15.3	5.0	17	9/16	22.4	44.8	52.5
6	3/8	32.0	26.4	15.3	5.0	22	9/16	24.4	50.8	58.5
6	1/2	35.0	32.0	15.3	5.0	27	9/16	27.0	59.0	67.0
8	1/8	30.0	19.0	16.2	6.0	14	5/8	23.0	42.0	49.0
8	1/4	31.0	22.5	16.2	6.0	17	5/8	23.0	45.5	53.5
8	3/8	32.5	22.5	16.2	6.0	23	5/8	25.0	47.5	55.0
8	1/2	36.0	32.0	16.2	6.0	27	5/8	28.0	60.0	68.0
10	1/8	31.5	19.0	17.2	8.0	17	19	24.0	43.0	50.5
10	1/4	33.5	22.5	17.2	8.0	17	19	26.0	48.5	56.0
10	3/8	33.5	22.5	17.2	8.0	23	19	26.0	48.5	56.0
10	1/2	33.5	28.5	17.2	8.0	27	19	26.5	55.0	62.0
12	1/4	36.5	22.4	22.8	10.0	20	7/8	27.5	49.9	58.5
12	3/8	36.5	22.4	22.8	10.0	23	7/8	27.5	49.9	58.5
12	1/2	39.0	28.4	22.8	10.0	27	7/8	28.7	57.1	67.5
12	3/4	50.0	41.0	22.8	10.0	34	7/8	40.0	81.0	91.0
14	3/8	38.0	27.5	24.4	12.0	24	25	27.5	55.0	65.5
14	1/2	39.5	32.0	24.4	12.0	27	25	29.0	61.0	71.5
14	3/4	50.5	41.0	24.4	12.0	34	25	40.0	81.0	91.5
15	3/8	38.0	27.5	24.4	12.0	24	25	27.5	55.0	65.5
15	1/2	39.0	28.4	24.4	12.0	27	25	28.7	57.1	67.5
15	3/4	50.5	41.0	24.4	12.0	34	25	40.0	81.0	91.5
16	3/8	38.5	27.5	24.4	14.0	24	25	27.5	55.0	66.0
16	1/2	40.0	28.0	24.4	12.5	27	25	30.0	58.0	68.0
16	3/4	51.0	41.0	24.4	14.0	34	25	40.0	81.0	92.0
18	3/8	39.5	32.0	24.4	16.0	27	30	29.0	61.0	71.5
18	1/2	39.5	32.0	24.4	16.0	27	30	29.0	61.0	71.5
18	3/4	50.5	41.0	24.4	16.0	34	30	40.0	81.0	91.5
20	1/2	47.0	37.5	26.0	18.0	30	32	37.6	75.1	84.5
20	3/4	49.0	41.0	26.0	18.0	34	32	40.0	81.0	90.0
22	1/2	47.0	37.5	26.0	18.0	30	32	37.6	75.1	84.5
22	3/4	49.5	41.0	26.0	18.0	34	32	40.0	81.0	90.5
25	1/2	52.5	41.0	31.3	22.0	34	1-1/2	40.0	81.0	93.5
25	3/4	52.5	41.0	31.3	22.0	34	1-1/2	40.0	81.0	93.5

FOR FRACTIONAL TUBES										
T TUBE O.D.	FEMALE BSPT / NPT PIPE SIZE	DIMENSION								
		A	B	D	E	F	G	H	J	K
1/8	1/8	25.0	19.1	12.7	2.5	14	7/16	18.0	37.1	44.0
1/8	1/4	28.0	23.6	12.7	2.5	17	7/16	20.7	44.3	51.5
1/4	1/8	27.0	19.1	15.2	5.0	14	9/16	19.6	38.7	46.0
1/4	1/4	30.0	22.4	15.2	5.0	17	9/16	22.9	45.3	52.5
1/4	3/8	32.5	26.4	15.2	5.0	22	9/16	24.4	50.8	59.0
1/4	1/2	35.0	32.6	15.2	5.0	27	9/16	27.0	59.6	67.5
3/8	1/8	30.5	19.0	16.8	8.0	14	11/16	23.0	42.0	49.5
3/8	1/4	31.5	22.4	16.8	8.0	17	11/16	23.9	46.3	54.0
3/8	3/8	33.0	22.4	16.8	8.0	23	11/16	26.0	48.4	55.5
3/8	1/2	37.0	32.0	16.8	7.7	27	11/16	29.0	61.0	69.0
1/2	1/4	36.0	22.4	22.9	10.0	20	7/8	26.0	48.4	58.5
1/2	3/8	36.5	22.4	22.9	10.0	23	7/8	27.5	49.9	58.5
1/2	1/2	40.0	28.4	22.9	10.0	27	7/8	29.7	58.1	68.5
1/2	3/4	50.0	41.0	22.9	10.0	34	7/8	40.0	81.0	91.0
5/8	3/8	38.0	27.5	24.4	14.0	24	25	27.5	55.0	65.5
5/8	1/2	39.5	32.0	24.4	14.0	27	25	29.0	61.0	72.0
5/8	3/4	50.5	41.0	24.4	14.0	34	25	40.0	81.0	92.0
3/4	1/2	40.0	32.0	24.4	16.0	27	1-1/8	29.0	61.0	72.0
3/4	3/4	45.0	31.8	24.4	16.0	35	1-1/8	34.5	66.3	76.5
1	1/2	52.5	41.0	31.2	22.0	34	1-1/2	40.0	81.0	93.5
1	3/4	52.5	41.0	31.2	22.0	34	1-1/2	40.0	81.0	93.5

\* The A, D, and K 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.