



FOR METRIC TUBES							
T TUBE O.D.	DIMENSION						
	A	D	E	F	G	J	K
3	24.0	12.9	2.5	12	7/16	34.0	47.5
4	25.5	13.7	2.5	12	12	37.6	51.0
6	27.0	15.3	5.0	12	9/16	39.2	54.0
8	29.0	16.2	6.0	14	5/8	42.6	58.0
10	31.5	17.2	8.0	17	19	47.8	63.0
12	36.0	22.8	10.0	20	7/8	55.0	72.0
14	38.0	24.4	12.0	24	25	55.0	76.0
15	39.0	24.4	12.0	24	25	57.4	78.0
16	39.0	24.4	12.0	24	25	57.4	78.0
18	40.0	24.4	16.0	27	30	59.1	80.0
20	47.0	26.0	18.0	30	32	75.1	93.5
22	47.0	26.0	18.0	30	32	75.1	94.0
25	52.5	31.3	22.0	34	1-1/2	80.0	105.0

FOR FRACTIONAL TUBES							
T TUBE O.D.	DIMENSION						
	A	D	E	F	G	J	K
1/16	19.0	8.6	1.5	12	10	30.0	38.0
1/8	22.5	12.7	2.5	12	7/16	31.4	45.0
3/16	24.0	13.7	2.5	12	12	34.0	48.0
1/4	27.0	15.2	5.0	12	9/16	42.0	54.0
3/8	30.5	16.8	8.0	14	11/16	46.2	61.0
1/2	36.5	22.9	10.0	20	7/8	55.0	75.0
5/8	39.0	24.4	12.0	24	25	57.4	78.0
3/4	40.0	24.4	16.0	27	1-1/8	64.0	80.0
1	49.0	31.2	22.0	34	1-1/2	73.6	98.0

* 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.