

An ISO 9001:2015 Certified Company

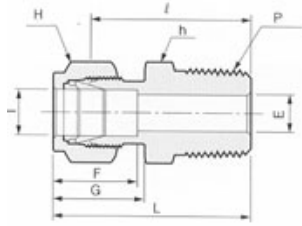
AVLOK®



- › Tube Fittings
- › Pipe Fittings
- › Quick Connect Couplings
- › Needle Valves
- › Manifolds
- › Ball Valves
- › Check Valves
- › Pressure Gauges

AVI INTERNATIONAL

31, Lawyers Chambers, Picket Road, Mumbai- 400 002, INDIA
Tel: +91 22 22005876 Fax: +91 22 22015876
email: info@avlok.com
website: www.avlok.com



Male Connector

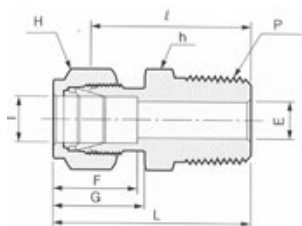
AVMC

Fractional Tube to Female NPT Thread

Part No.	Tube O.D. T		P (NPT)	E Min	h		H		F	G	I	L
	in	mm			in	mm	in	mm				
2AVMC-2N	1/8	3.17	1/8	2.3	7/16	11.11	7/16	11.11	12.7	15.2	23.9	30.5
2AVMC-4N	1/8	3.17	1/4	2.3	9/16	14.28	7/16	11.11	12.7	15.2	29.0	35.6
2AVMC-6N	1/8	3.17	3/8	2.3	11/16	17.46	7/16	11.11	12.7	15.2	29.2	35.8
2AVMC-8N	1/8	3.17	1/2	2.3	7/8	22.22	7/16	11.11	12.7	15.2	35.6	42.2
3AVMC-2N	3/16	4.76	1/8	3.0	7/16	11.11	1/2	12.70	13.7	16.0	24.7	31.2
3AVMC-4N	3/16	4.76	1/4	3.0	9/16	14.28	1/2	12.70	13.7	16.0	29.7	36.3
4AVMC-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	25.4	32.8
4AVMC-4N	1/4	6.35	1/4	4.8	9/16	14.28	9/16	14.28	15.2	17.8	30.5	37.8
4AVMC-6N	1/4	6.35	3/8	4.8	11/16	17.46	9/16	14.28	15.2	17.8	31.0	38.4
4AVMC-8N	1/4	6.35	1/2	4.8	7/8	22.22	9/16	14.28	15.2	17.8	37.4	44.7
4AVMC-12N	1/4	6.35	3/4	4.8	1-1/16	26.98	9/16	14.28	15.2	17.8	38.9	46.2
5AVMC-2N	5/16	7.93	1/8	4.8	9/16	14.28	5/8	15.87	16.3	18.5	26.7	34.0
5AVMC-4N	5/16	7.93	1/4	6.4	9/16	14.28	5/8	15.87	16.3	18.5	31.3	38.6
5AVMC-6N	5/16	7.93	3/8	6.4	11/16	17.46	5/8	15.87	16.3	18.5	31.8	39.1
6AVMC-2N	3/8	9.52	1/8	4.8	5/8	15.87	11/16	17.46	16.8	19.3	28.0	35.3
6AVMC-4N	3/8	9.52	1/4	6.5	5/8	15.87	11/16	17.46	16.8	19.3	32.5	39.9
6AVMC-6N	3/8	9.52	3/8	7.0	11/16	17.46	11/16	17.46	16.8	19.3	32.5	39.9
6AVMC-8N	3/8	9.52	1/2	7.0	7/8	22.22	11/16	17.46	16.8	19.3	38.9	46.2
6AVMC-12N	3/8	9.52	3/4	7.0	1-1/16	26.98	11/16	17.46	16.8	19.3	40.4	47.8
8AVMC-2N	1/2	12.70	1/8	4.8	13/16	20.63	7/8	22.22	22.9	21.8	28.7	38.9
8AVMC-4N	1/2	12.70	1/4	6.5	13/16	20.63	7/8	22.22	22.9	21.8	33.3	43.4
8AVMC-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	33.3	43.4
8AVMC-8N	1/2	12.70	1/2	10.0	7/8	22.22	7/8	22.22	22.9	21.8	38.9	49.0
8AVMC-12N	1/2	12.70	3/4	10.0	1-1/16	26.98	7/8	22.22	22.9	21.8	40.4	50.5
8AVMC-16N	1/2	12.70	1	10.0	1-3/8	34.92	7/8	22.22	22.9	21.8	47.0	57.2
10AVMC-6N	5/8	15.87	3/8	10.0	15/16	23.81	1	25.40	24.4	21.8	34.0	44.2
10AVMC-8N	5/8	15.87	1/2	12.0	15/16	23.81	1	25.40	24.4	21.8	38.9	49.0
10AVMC-12N	5/8	15.87	3/4	12.0	1-1/16	26.98	1	25.40	24.4	21.8	40.4	50.5
12AVMC-8N	3/4	19.05	1/2	12.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	40.4	50.5
12AVMC-12N	3/4	19.05	3/4	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	40.0	50.5
12AVMC-16N	3/4	19.05	1	16.0	1-3/8	34.92	1-1/8	28.57	24.4	21.8	47.0	57.2
14AVMC-12N	7/8	22.22	3/4	16.0	1-3/16	30.16	1-1/4	31.75	25.9	21.8	40.4	50.5
14AVMC-16N	7/8	22.22	1	18.0	1-3/8	34.92	1-1/4	31.75	25.9	21.8	47.0	57.2
16AVMC-8N	1	25.40	1/2	12.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	45.2	57.4
16AVMC-12N	1	25.40	3/4	16.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	45.2	57.4
16AVMC-16N	1	25.40	1	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	50.0	62.2



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Male Connector

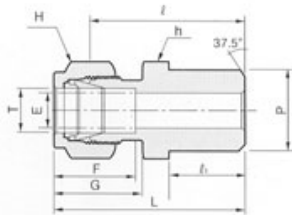
AVMC

Metric Tube to Female ISO Tapered Thread

Part No.	Tube O.D. T (mm)	P (PT)	E Min	h	H	F	G	I	L
M3AVMC-2R	3	1/8	2.3	11.1	11.1	12.9	15.3	23.1	29.7
M3AVMC-4R	3	1/4	2.3	14.3	11.1	12.9	15.3	29.0	35.6
M4AVMC-2R	4	1/8	2.3	11.1	12.7	13.7	16.1	24.6	31.2
M4AVMC-4R	4	1/4	2.3	14.3	12.7	13.7	16.1	29.7	36.3
M6AVMC-2R	6	1/8	4.8	12.7	14.3	15.3	17.7	25.4	32.8
M6AVMC-4R	6	1/4	4.8	14.3	14.3	15.3	17.7	30.2	37.6
M6AVMC-6R	6	3/8	4.8	17.5	14.3	15.3	17.7	31.0	38.4
4M6AVMC-8R	6	1/2	4.8	22.2	14.3	15.3	17.7	36.6	44.0
M8AVMC-2R	8	1/8	4.8	14.3	15.9	16.2	18.6	26.7	34.2
M8AVMC-4R	8	1/4	6.4	14.3	15.9	16.2	18.6	31.2	38.7
M8AVMC-6R	8	3/8	6.4	17.5	15.9	16.2	18.6	31.8	39.2
M8AVMC-8R	8	1/2	6.4	22.2	15.9	16.2	18.6	37.3	44.8
M10AVMC-2R	10	1/8	4.8	17.5	19.1	17.2	19.5	28.7	36.3
M10AVMC-4R	10	1/4	6.4	17.5	19.1	17.2	19.5	33.3	40.9
M10AVMC-6R	10	3/8	8.0	17.5	19.1	17.2	19.5	33.3	40.9
M10AVMC-8R	10	1/2	8.0	22.2	19.1	17.2	19.5	38.1	45.7
M12AVMC-4R	12	1/4	6.4	20.6	22.2	22.8	22.0	33.3	43.4
M12AVMC-6R	12	3/8	10.0	20.6	22.2	22.8	22.0	33.3	43.4
M12AVMC-8R	12	1/2	10.0	22.2	22.2	22.8	22.0	38.1	48.2
M12AVMC-12R	12	3/4	10.0	27.0	22.2	22.8	22.0	38.9	49.0
M15AVMC-8R	15	1/2	12.0	23.8	25.4	24.4	22.0	38.9	49.0
M16AVMC-4R	16	1/4	6.4	23.8	25.4	24.4	22.0	34.0	44.1
M16AVMC-6R	16	3/8	10.0	23.8	25.4	24.4	22.0	34.0	44.1
M16AVMC-8R	16	1/2	12.0	23.8	25.4	24.4	22.0	38.9	49.0
M16AVMC-12R	16	3/4	12.0	27.0	25.4	24.4	15.3	38.9	49.0
M18AVMC-8R	18	1/2	12.0	27.0	30.2	24.4	22.0	40.4	50.5
M18AVMC-12R	18	3/4	15.0	27.0	30.2	24.4	22.0	40.4	50.5
M20AVMC-8R	20	1/2	12.0	30.2	31.8	26.0	22.0	42.2	52.3
M20AVMC-12R	20	3/4	16.0	30.2	31.8	26.0	22.0	42.2	52.3
M22AVMC-12R	22	3/4	16.0	30.2	31.8	26.0	22.0	42.2	52.3
M22AVMC-16R	22	1	18.0	34.9	31.8	26.0	22.0	47.8	57.9
M25AVMC-12R	25	3/4	16.0	34.9	38.1	31.3	26.5	45.2	57.9
M25AVMC-12R	25	1	22.0	34.9	38.1	31.3	26.5	50.0	62.3



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



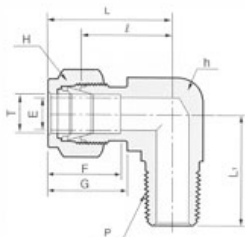
Male Pipe Weld Connector AVPCW

Part No.	Tube O.D. T		Pipe Weld Size (P)		E Min	h		H		F	G	I	I ₁	L
	in	mm	Nom	O.D.		in	mm	in	mm					
2AVPCW-2P	1/8	3.17	1/8	10.30	2.3	7/16	11.11	7/16	11.11	12.7	15.2	23.9	9.7	30.5
3AVPCW-2P	3/16	4.76	1/8	10.30	3.0	7/16	11.11	1/2	12.70	13.7	16.0	24.6	9.7	31.2
4AVPCW-2P	1/4	6.35	1/8	10.30	4.8	1/2	12.70	9/16	14.28	15.2	17.8	25.4	9.7	32.8
4AVPCW-4P	1/4	6.35	1/4	13.70	4.8	9/16	14.28	9/16	14.28	15.2	17.8	30.5	14.2	37.8
5AVPCW-2P	5/16	7.93	1/8	10.30	4.8	9/16	14.28	5/8	15.87	16.3	18.5	26.7	9.7	34.0
5AVPCW-4P	5/16	7.93	1/4	13.70	6.4	9/16	14.28	5/8	15.87	16.3	18.5	31.2	14.2	38.6
6AVPCW-4P	3/8	9.52	1/4	13.70	7.0	5/8	15.87	11/16	17.46	16.8	19.3	32.5	14.2	39.9
6AVPCW-6P	3/8	9.52	3/8	17.10	7.0	11/16	17.46	11/16	17.46	16.8	19.3	32.5	14.2	39.9
6AVPCW-8P	3/8	9.52	1/2	21.30	7.0	7/8	22.22	11/16	17.46	16.8	19.3	38.9	19.1	46.2
8AVPCW-6P	1/2	12.70	3/8	17.10	10.0	13/16	20.63	7/8	22.22	22.9	21.8	33.3	14.2	43.4
8AVPCW-8P	1/2	12.70	1/2	21.30	10.0	7/8	22.22	7/8	22.22	22.9	21.8	38.9	19.1	49.0
8AVPCW-12P	1/2	12.70	3/4	26.67	10.0	1-1/16	26.98	7/8	22.22	22.9	21.8	40.4	19.1	50.5
10AVPCW-8P	5/8	15.87	1/2	21.30	12.0	15/16	23.81	1	25.40	24.4	21.8	38.9	19.1	49.0
12AVPCW-12P	3/4	19.05	3/4	26.67	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	40.4	19.1	50.5
16AVPCW-16P	1	25.40	1	33.40	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	50.0	23.9	62.2

Part No.	Tube O.D. T	Pipe Weld Size (P)		E Min	h	H	A	B	I	I ₁	L
		Nom	O.D.								
M3AVPCW-2P	3	1/8	10.3	2.3	11.1	11.1	12.9	15.3	23.1	9.7	29.7
M4AVPCW-2P	4	1/8	10.3	2.3	11.1	12.7	13.7	16.1	24.1	9.7	30.7
M6AVPCW-2P	6	1/8	10.3	4.8	12.7	14.3	15.3	17.7	25.4	9.7	32.8
M6AVPCW-4P	6	1/4	13.7	4.8	14.3	14.3	15.3	17.7	30.2	14.2	37.6
M8AVPCW-2P	8	1/8	10.3	4.8	14.3	15.9	16.2	18.6	26.7	9.7	34.2
M8AVPCW-4P	8	1/4	13.7	6.4	14.3	15.9	16.2	18.6	31.2	14.2	38.7
M8AVPCW-8P	8	1/2	21.3	6.4	22.2	15.9	16.2	18.6	37.3	19.0	44.8
M10AVPCW-4P	10	1/4	13.7	7.0	17.5	19.1	17.2	19.5	33.3	14.2	40.9
M10AVPCW-6P	10	3/8	17.1	8.0	17.5	19.1	17.2	19.5	32.5	14.2	40.1
M10AVPCW-8P	10	1/2	21.3	8.0	22.2	19.1	17.2	19.5	38.1	19.0	45.7
M12AVPCW-4P	12	1/4	13.7	7.0	22.2	22.2	22.8	22.0	33.3	14.2	43.4
M12AVPCW-6P	12	3/8	17.1	10.0	20.6	22.2	22.8	22.0	33.3	14.2	43.4
M12AVPCW-8P	12	1/2	21.3	10.0	22.2	22.2	22.8	22.0	38.1	19.0	48.2
M15AVPCW-8P	15	1/2	21.3	12.0	23.8	25.4	24.4	22.0	38.9	19.0	49.0
M16AVPCW-8P	16	1/2	21.3	12.0	23.8	25.4	24.4	22.0	38.9	19.0	49.0
M18AVPCW-8P	18	1/2	21.3	12.0	27.0	30.2	24.4	22.0	40.4	19.0	50.5



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Male Elbow

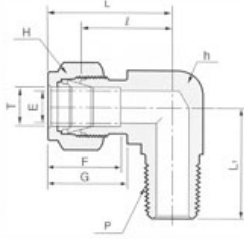
AVME

Fractional Tube to Female NPT

Part No.	Tube O.D. T		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2AVME-2N 2AVME-4N	1/8	3.17	1/8 1/4	4.8	7/16 1/2	11.11 12.70	7/16 7/16	11.11 11.11	12.7	15.2	17.0 18.0	23.6 24.6	17.8 23.4
3AVME-2N 3AVME-4N	3/16	4.76	1/8 1/4	4.8	7/16 1/2	11.11 12.70	1/2 1/2	12.70 12.70	13.7	16.0	18.8	25.4	18.8 23.4
4AVME-2N 4AVME-4N 4AVME-6N 4AVME-8N	1/4	6.35	1/8 1/4 3/8 1/2	4.8	1/2 1/2 11/16 13/16	12.70 12.70 17.46 20.63	9/16 9/16 9/16 9/16	14.28 14.28 14.28 14.28	15.2	17.8	19.6	26.9	18.8 23.4 26.2 33.0
5AVME-2N 5AVME-4N 5AVME-6N	5/16	7.93	1/8 1/4 3/8	6.4	9/16 9/16 11/16	14.28 14.28 17.46	5/8 5/8 5/8	15.87 15.87 15.87	16.3	18.5	21.3	28.7	19.8 24.4 26.2
6AVME-2N 6AVME-4N 6AVME-6N 6AVME-8N 6AVME-12N	3/8	9.52	1/8 1/4 3/8 1/2 3/4	4.8	5/8 5/8 11/16 13/16 1-1/16	15.87 15.87 17.46 20.63 26.98	11/16 11/16 11/16 11/16 11/16	17.46 17.46 17.46 17.46 17.46	16.8	19.3	23.1	30.5	20.8 25.4 26.2 33.0 36.8
8AVME-4N 8AVME-6N 8AVME-8N 8AVME-12N	1/2	12.70	1/4 3/8 1/2 3/4	6.5	13/16 13/16 13/16 1-1/16	20.63 20.63 20.63 26.98	7/8 7/8 7/8 7/8	22.22 22.22 22.22 22.22	22.9	21.8	25.9	36.1	28.2 28.2 33.0 36.8
10AVME-6N 10AVME-8N 10AVME-12N	5/8	15.87	3/8 1/2 3/4	10.0	15/16 15/16 1-1/16	23.80 23.80 26.98	1 1 1	25.40 25.40 25.40	24.4	21.8	27.9	38.1	30.2 35.1 36.8
12AVME-8N 12AVME-12N	3/4	19.05	1/2 3/4	12.0	1-1/16 1-1/16	26.98 26.98	1-1/8 1-1/8	28.57 28.57	24.4	21.8	29.7	39.9	36.8 36.8
14AVME-12N	7/8	22.22	3/4	16.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7	41.7
16AVME-12N 16AVME-16N	1	25.40	3/4 1	16.0	1-3/8 1-3/8	34.92 34.92	1-1/2 1-1/2	38.10 38.10	31.2	26.4	36.8	49.0	41.7 46.5



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



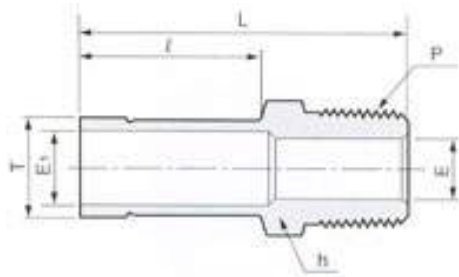
Male Elbow AVME

Metric Tube to Female ISO Tapered Thread

Part No.	O.D. T (mm)	P (PT)	E Min	h	H	F	G	I	L	L ₁
M3AVME-2R	3	1/8	2.3	11.1	11.1	12.9	15.3	17.0	23.6	17.8
M3AVME-4R	3	1/4	2.3	12.7	11.1	12.9	15.3	18.0	24.6	23.4
M4AVME-2R	4	1/8	2.3	11.1	12.7	13.7	16.1	18.8	25.4	18.8
M4AVME-4R	4	1/4	2.3	12.7	12.7	13.7	16.1	18.8	25.4	23.4
M6AVME-2R	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	27.0	18.8
M6AVME-4R	6	1/4	4.8	12.7	14.3	15.3	17.7	19.6	27.0	23.4
M6AVME-6R	6	3/8	4.8	17.5	14.3	15.3	17.7	22.4	29.8	26.2
M6AVME-8R	6	1/2	4.8	20.6	14.3	15.3	17.7	24.4	31.8	33.0
M8AVME-2R	8	1/8	4.8	14.3	15.9	16.2	18.6	21.3	28.8	19.8
M8AVME-4R	8	1/4	6.4	14.3	15.9	16.2	18.6	21.3	28.8	24.4
M8AVME-6R	8	3/8	6.4	17.5	15.9	16.2	18.6	23.9	31.4	28.5
M8AVME-8R	8	1/2	6.4	20.6	15.9	16.2	18.6	25.1	32.6	33.0
M10AVME-2R	10	1/8	4.8	17.5	19.1	17.2	19.5	23.9	31.5	23.6
M10AVME-4R	10	1/4	6.4	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M10AVME-6R	10	3/8	8.0	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M10AVME-8R	10	2/1	8.0	20.6	19.1	17.2	19.5	23.9	33.5	33.0
M12AVME-2R	12	1/8	4.8	20.6	22.2	22.8	22.0	25.9	36.0	23.6
M12AVME-4R	12	1/4	6.4	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12AVME-6R	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12AVME-8R	12	1/2	10.0	20.6	22.2	22.8	22.0	25.9	36.0	33.0
M12AVME-12R	12	3/4	10.0	27.0	22.2	22.8	22.0	29.7	39.8	36.8
M16AVME-6R	16	3/8	10.0	25.4	25.4	24.4	22.0	27.9	38.0	30.2
M16AVME-8R	16	1/2	12.0	25.4	25.4	24.4	22.0	27.9	38.0	35.1
M16AVME-12R	16	3/4	12.0	27.0	25.4	24.4	22.0	29.7	39.8	36.8
M18AVME-8R	18	1/2	12.0	27.0	30.2	24.4	22.0	29.7	39.8	35.1
M18AVME-12R	18	3/4	15.0	27.0	30.2	24.4	22.0	29.7	39.8	36.8
M20AVME-8R	20	1/2	12.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7
M20AVME-12R	20	3/4	16.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7
M22AVME-12R	22	3/4	16.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7
M22AVME-16R	22	1	18.0	34.9	31.8	26.0	22.0	34.5	44.6	46.5
M25AVME-12R	25	3/4	16.0	34.9	38.1	31.3	26.5	36.8	49.1	41.7
M25AVME-16R	25	1	22.0	34.9	38.1	31.3	26.5	36.8	49.1	46.5



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Male Adapter AVMA

Fractional AVLOK Port to Female NPT Thread

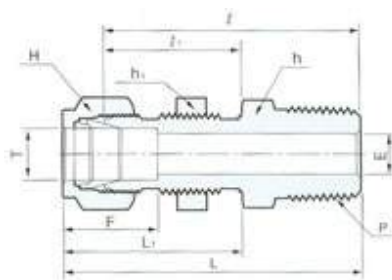
Part No.	Tube O.D. T		P (NPT)	E Min	E ₁	h		l	L
	in	mm				in	mm		
2AVMA-2N	1/8	3.17	1/8	4.6	1.8	7/16	11.11	13.5	28.4
3AVMA-2N	3/16	4.76	1/8	4.6	3.0	7/16	11.11	14.2	29.2
4AVMA-2N	1/4	6.35	1/8	4.6	4.6	7/16	11.11	15.7	30.7
4AVMA-4N	1/4	6.35	1/4	4.6	4.6	9/16	14.28	15.7	35.6
5AVMA-2N	5/16	7.93	1/8	4.8	6.4	7/16	11.11	16.5	31.8
5AVMA-4N	5/16	7.93	1/4	6.4	6.4	9/16	14.28	16.5	37.1
6AVMA-4N	3/8	9.52	1/4	7.0	7.0	9/16	14.28	17.3	38.1
6AVMA-6N	3/8	9.52	3/8	7.0	7.0	11/16	17.46	17.3	38.1
6AVMA-8N	3/8	9.52	1/2	7.0	7.0	7/8	22.22	17.3	43.4
8AVMA-4N	1/2	12.70	1/4	6.5	10.0	9/16	14.28	22.9	43.4
8AVMA-6N	1/2	12.70	3/8	10.0	10.0	11/16	17.46	22.9	44.5
8AVMA-8N	1/2	12.70	1/2	10.0	10.0	7/8	22.22	22.9	49.0
10AVMA-8N	5/8	15.87	1/2	12.7	12.7	7/8	22.22	24.4	50.8
12AVMA-12N	3/4	19.05	3/4	15.0	15.0	1-1/16	26.98	24.4	51.6
14AVMA-12N	7/8	22.22	3/4	18.0	18.0	1-1/16	26.98	26.2	53.1
14AVMA-16N	1	25.40	1	22.0	22.0	1-3/8	34.92	30.7	65.0

Metric AVLOK Port to ISO Tapered Thread

Part No.	Tube O.D. T (mm)	P (NPT)	E Min	E ₁	h	l	L
M3AVMA-2R	3	1/8	4.0	1.8	11.1	13.5	29.4
M6AVMA-2R	6	1/8	4.8	4.8	11.1	15.9	31.8
M6AVMA-4R	6	1/4	4.8	4.8	14.3	15.9	36.5
M8AVMA-4R	8	1/4	6.4	6.4	14.3	16.7	37.3
M10AVMA-4R	10	1/4	6.4	6.4	14.3	17.5	38.9
M10AVMA-6R	10	3/8	8.0	8.0	17.5	17.5	39.7
M10AVMA-8R	10	1/2	12.0	8.0	22.2	17.5	45.2
M12AVMA-4R	12	1/4	6.4	9.0	14.3	23.0	45.6
M12AVMA-6R	12	3/8	9.0	9.0	17.5	23.0	45.2
M12AVMA-8R	12	1/2	12.0	9.0	22.2	23.0	50.0
M18AVMA-8R	18	1/2	12.0	14.0	22.2	24.6	53.2
M18AVMA-12R	18	3/4	16.0	14.0	27.0	24.6	53.2



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Bulkhead Male Connector AVBMC

Fractional Tube to Female NPT Thread

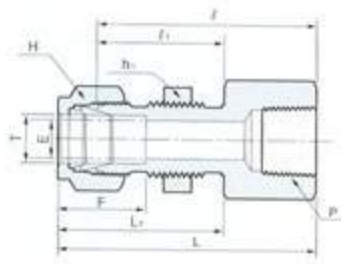
Part No.	Tube O.D. T		P (NPT)	E Min	h		h1		H		F	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
	in	mm			in	mm	in	mm	in	mm							
2AVBMC-2N	1/8	3.17	1/8	2.3	1/2	12.70	1/2	12.70	7/16	11.11	12.70	39.9	24.6	46.5	31.2	8.3	12.7
4AVBMC-2N	1/4	6.35	1/8	4.8	5/8	15.87	5/8	15.87	9/16	14.28	15.24	42.2	26.2	49.5	33.5	11.5	10.2
4AVBMC-4N	1/4	6.35	1/4	4.8	5/8	15.87	5/8	15.87	9/16	14.28	15.24	46.0	26.2	53.3	33.5	11.5	10.2
6AVBMC-4N	3/8	9.52	1/4	6.5	3/4	19.05	3/4	19.05	11/16	17.46	16.76	50.0	29.5	57.4	36.8	14.7	11.2
8AVBMC-6N	1/2	12.70	3/8	10.0	15/16	23.81	15/16	23.81	7/8	22.22	22.86	53.1	31.8	63.2	41.9	19.4	12.7
8AVBMC-8N	1/2	12.70	1/2	10.0	15/16	23.81	15/16	23.81	7/8	22.22	22.86	58.7	31.8	68.8	41.9	19.4	12.7

Metric Tube to Female ISO Tapered Thread

Part No.	Tube O.D. T mm	P (NPT)	E Min	h	h1	H	F	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
M3AVBMC-2R	3	1/8	2.3	12.7	12.7	11.1	12.9	39.9	24.6	46.5	31.2	8.3	12.7
M6AVBMC-2R	6	1/8	4.8	15.9	15.9	14.3	15.3	42.2	26.2	49.5	33.6	11.5	10.2
M6AVBMC-4R	6	1/4	4.8	15.9	15.9	14.3	15.3	46.0	26.2	53.3	33.6	11.5	10.2
M8AVBMC-4R	8	1/4	6.4	17.5	17.5	15.9	16.2	49.0	28.6	57.4	36.1	13.1	11.2
M12AVBMC-6R	12	3/8	10.0	23.8	23.8	22.2	22.8	53.1	31.8	63.2	41.9	19.5	12.7
M12AVBMC-8R	12	1/2	10.0	23.8	23.8	22.2	22.8	58.7	31.8	68.8	41.9	19.5	12.7



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Bulkhead Female Connector AVBFC

Fractional Tube to Male NPT Thread

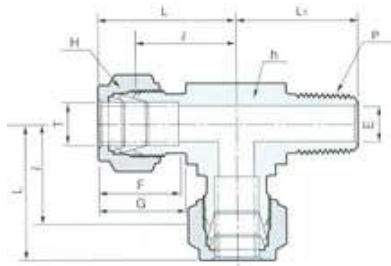
Part No.	Tube O.D. T		P (NPT)	E Min	h		h1		H		F	l	l ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
	in	mm			in	mm	in	mm	in	mm							
2AVBFC-2N	1/8	3.17	1/8	2.3	9/16	14.28	1/2	12.70	7/16	11.11	12.7	38.1	24.6	44.7	31.2	8.3	12.7
4AVBFC-2N	1/4	6.35	1/8	4.8	5/8	15.87	5/8	15.87	9/16	14.28	15.2	39.6	26.2	47.0	33.5	11.5	10.2
4AVBFC-4N	1/4	6.35	1/4	4.8	3/4	19.05	5/8	15.87	9/16	14.28	15.2	44.5	26.2	51.8	33.5	11.5	10.2
6AVBFC-4N	3/8	9.52	1/4	7.0	3/4	19.05	3/4	19.05	11/16	17.46	16.8	47.8	29.5	55.1	36.8	14.7	11.2
8AVBFC-6N	1/2	12.70	3/8	10.0	15/16	23.81	15/16	23.81	7/8	22.22	22.9	51.6	31.8	61.7	41.9	19.4	12.7
8AVBFC-8N	1/2	12.70	1/2	10.0	1-1/16	26.98	15/16	23.81	7/8	22.22	22.9	56.4	31.8	66.5	41.9	19.4	12.7

Metric Tube to Male ISO Tapered Thread

Part No.	Tube O.D. T mm	P (NPT)	E Min	h	h1	H	F	l	l ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
M3AVBFC-2R	3	1/8	2.3	14.3	12.7	11.1	12.9	38.1	24.6	44.7	31.2	8.3	12.7
M6AVBFC-2R	6	1/8	4.8	15.9	15.9	14.3	15.3	39.6	26.2	47.0	33.6	11.5	10.2
M6AVBFC-4R	6	1/4	4.8	19.1	15.9	14.3	15.3	44.5	26.2	51.8	33.6	11.5	10.2
M8AVBFC-4R	8	1/4	7.0	19.1	17.5	15.9	16.2	49.0	28.4	54.2	36.1	13.1	11.2
M12AVBFC-6R	12	3/8	10.0	23.8	23.8	22.2	22.8	51.6	31.8	61.7	41.9	19.5	12.7
M12AVBFC-8R	12	1/2	10.0	27.0	23.8	22.2	22.8	56.4	31.8	66.5	41.9	19.5	12.7



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Male Run Tee AVMRT

Fractional Tube to Female NPT Thread

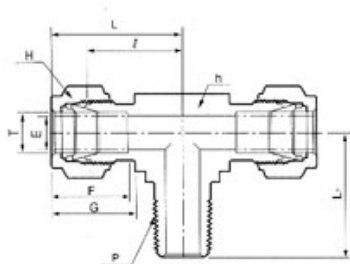
Part No.	Tube O.D. T		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2AVMRT-2N	1/8	3.17	1/8	2.3	7/16	11.11	7/16	11.11	12.70	15.2	17.0	23.6	17.8
2AVMRT-2N	1/8	3.17	1/4	2.3	1/2	12.70	7/16	11.11	12.70	15.2	18.0	24.6	23.4
3AVMRT-2N	3/16	4.76	1/8	3.0	7/16	11.11	1/2	12.70	13.71	16.0	17.8	24.4	17.8
4AVMRT-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.24	17.8	19.6	26.9	18.8
4AVMRT-4N	1/4	6.35	1/4	4.8	1/2	12.70	9/16	14.28	15.24	17.8	19.6	26.9	23.4
5AVMRT-2N	5/16	7.93	1/8	4.8	9/16	14.28	5/8	15.87	16.25	18.5	22.4	29.7	20.8
6AVMRT-4N	3/8	9.52	1/4	6.5	5/8	15.87	11/16	17.46	16.76	19.3	23.1	30.5	25.4
6AVMRT-6N	3/8	9.52	3/8	7.0	11/16	17.46	11/16	17.46	16.76	19.3	25.9	33.3	28.2
8AVMRT-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.86	21.8	25.9	36.1	28.2
8AVMRT-8N	1/2	12.70	1/2	10.0	13/16	20.63	7/8	22.22	22.86	21.8	25.9	36.1	33.0
10AVMRT-8N	5/8	15.87	1/2	12.0	15/16	23.80	1	25.40	24.38	21.8	27.9	38.1	35.1
12AVMRT-12N	3/4	19.05	3/4	16.0	1-1/16	26.98	1-1/8	28.57	24.38	21.8	28.2	38.4	35.3

Metric Tube to Female ISO Tapered Thread

Part No.	Tube O.D. Tmm	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3AVMRT-2R	3	1/8	2.3	11.1	11.1	12.9	15.3	17.0	23.6	17.8
M3AVMRT-4R	3	1/4	2.3	12.7	11.1	12.9	15.3	18.0	24.6	23.4
M4AVMRT-2R	4	1/8	2.3	11.1	12.7	13.7	16.1	18.8	25.4	18.8
M6AVMRT-2R	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	27.0	18.8
M6AVMRT-4R	6	1/4	4.8	12.7	14.3	15.3	17.7	19.6	27.0	23.4
M8AVMRT-2R	8	1/8	4.8	14.3	15.9	16.2	18.6	21.3	28.8	19.8
M8AVMRT-4R	8	1/4	6.4	14.3	15.9	16.2	18.6	21.3	28.8	24.4
M10AVMRT-4R	10	1/4	6.4	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M10AVMRT-6R	10	3/8	8.0	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M12AVMRT-4R	12	1/4	6.4	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12AVMRT-6R	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12AVMRT-8R	12	1/2	10.0	20.6	22.2	22.8	22.0	25.9	36.0	33.0
M16AVMRT-6R	16	3/8	10.0	25.4	25.4	24.4	22.0	27.9	38.0	30.2
M16AVMRT-8R	16	1/2	12.0	25.4	25.4	24.4	22.0	27.9	38.0	35.1
M20AVMRT-12R	20	3/4	16.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Male Branch Tee AVMBT

Fractional Tube to Female NPT Thread

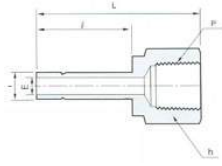
Part No.	Tube O.D. T		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2AVMBT-2N	1/8	3.17	1/8	2.3	7/16	11.11	7/16	11.11	12.7	15.2	17.0	23.6	17.8
2AVMBT-2N	1/8	3.17	1/4	2.3	1/2	12.70	7/16	11.11	12.7	15.2	18.0	24.6	23.4
3AVMBT-2N	3/16	4.76	1/8	3.0	7/16	11.11	1/2	12.70	13.7	16.0	17.8	24.4	17.8
4AVMBT-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	18.8
4AVMBT-4N	1/4	6.35	1/4	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	23.4
5AVMBT-2N	5/16	7.93	1/8	4.8	9/16	14.28	5/8	15.87	16.3	18.5	22.4	29.7	20.8
6AVMBT-4N	3/8	9.52	1/4	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5	25.4
6AVMBT-6N	3/8	9.52	3/8	7.0	11/16	17.46	11/16	17.46	16.8	19.3	25.9	33.3	28.2
8AVMBT-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	28.2
8AVMBT-8N	1/2	12.70	1/2	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	33.0
10AVMBT-8N	5/8	15.87	1/2	12.0	15/16	23.8	1	25.40	24.4	21.8	27.9	38.1	35.1
12AVMBT-12N	3/4	19.05	3/4	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	28.2	38.4	35.3

Metric Tube to Female ISO Tapered Thread

Part No.	Tube O.D. Tmm	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3AVMBT-2R	3	1/8	2.3	11.1	11.1	12.9	15.3	17.0	23.6	17.8
M3AVMBT-4R	3	1/4	2.3	12.7	11.1	12.9	15.3	18.0	24.6	23.4
M4AVMBT-2R	4	1/8	2.3	11.1	12.7	13.7	16.1	18.8	25.4	18.8
M6AVMBT-2R	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	27.0	18.8
M6AVMBT-4R	6	1/4	4.8	12.7	14.3	15.3	17.7	19.6	27.0	23.4
M8AVMBT-2R	8	1/8	4.8	14.3	15.9	16.2	18.6	21.3	28.8	19.8
M8AVMBT-4R	8	1/4	6.4	14.3	15.9	16.2	18.6	21.3	28.8	24.4
M10AVMBT-4R	10	1/4	6.4	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M10AVMBT-6R	10	3/8	8.0	17.5	19.1	17.2	19.5	23.9	31.5	28.2
M12AVMBT-4R	12	1/4	6.4	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12AVMBT-6R	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.0	28.2
M12AVMBT-8R	12	1/2	10.0	20.6	22.2	22.8	22.0	25.9	36.0	33.0
M16AVMBT-6R	16	3/8	10.0	25.4	25.4	24.4	22.0	27.9	38.0	30.2
M16AVMBT-8R	16	1/2	12.0	25.4	25.4	24.4	22.0	27.9	38.0	35.1
M20AVMBT-12R	20	3/4	16.0	31.8	31.8	26.0	22.0	34.5	44.6	41.7



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Female Adapter

AVFA

Fractional Tube to Male NPT Thread

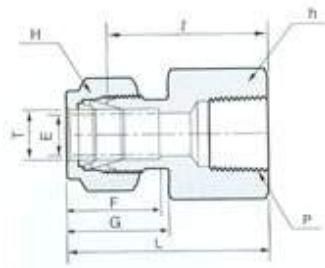
Part No.	Tube O.D.		P (NPT)	E Min	h		l	L
	in	mm			in	mm		
2AV FA-2N	1/8	3.17	1/8	1.8	9/16	14.28	13.5	31.2
2AV FA-4N	1/8	3.17	1/4	1.8	3/4	19.06	13.5	34.0
3AV FA-2N	3/16	4.76	1/8	3.0	9/16	14.28	14.2	32.0
3AV FA-4N	3/16	4.76	1/4	3.0	3/4	19.05	14.2	34.8
4AV FA-2N	1/4	6.35	1/8	4.6	9/16	14.28	15.7	33.5
4AV FA-4N	1/4	6.35	1/4	4.6	3/4	19.05	15.7	36.3
4AV FA-6N	1/4	6.35	3/8	4.6	7/8	22.22	15.7	39.6
4AV FA-8N	1/4	6.35	1/2	4.6	1-1/16	26.98	15.7	45.2
5AV FA-2N	5/16	7.93	1/8	6.4	9/16	14.28	16.5	34.3
5AV FA-2N	5/16	7.93	1/4	6.4	3/4	19.05	16.5	37.1
6AV FA-2N	3/8	9.52	1/8	7.0	9/16	14.28	17.3	35.3
6AV FA-4N	3/8	9.52	1/4	7.0	3/4	19.05	17.3	38.1
6AV FA-6N	3/8	9.52	3/8	7.0	7/8	22.22	17.3	41.1
6AV FA-8N	3/8	9.52	1/2	7.0	1-1/16	26.98	17.3	46.7
8AV FA-4N	1/2	12.70	1/4	10.0	3/4	19.05	22.9	43.4
8AV FA-6N	1/2	12.70	3/8	10.0	7/8	22.22	22.9	46.7
8AV FA-8N	1/2	12.70	1/2	10.0	1-1/16	26.98	24.4	52.3
10AV FA-6N	5/8	15.87	3/8	12.7	7/8	22.22	24.4	48.3
10AV FA-8N	5/8	15.87	1/2	12.7	1-1/16	26.98	24.4	53.8
10AV FA-12N	5/8	15.87	3/4	12.7	1-1/4	31.75	24.4	55.4
12AV FA-8N	3/4	19.05	1/2	15.0	1-1/16	26.98	24.4	53.8
12AV FA-12N	3/4	19.05	3/4	15.0	1-1/4	31.75	24.4	55.4
12AV FA-16N	3/4	19.05	1	15.0	1-5/8	41.27	24.4	62.5
14AV FA-12N	7/8	22.22	3/4	17.0	1-1/4	31.75	26.2	57.2
16AV FA-12N	1	25.40	3/4	20.0	1-1/4	31.75	30.7	61.7
16AV FA-16N	1	25.40	1	20.0	1-5/8	41.27	30.7	68.8

Metric Tube to Female ISO Tapered Thread

Part No.	Tube O.D. Tmm	P (NPT)	E Min	h	l	L
M3AV FA-2R	3	1/8	1.8	14.3	13.5	35.7
M6AV FA-2R	6	1/8	4.8	14.3	15.9	34.1
M6AV FA-4R	6	1/4	4.8	19.1	15.9	38.9
M8AV FA-4R	8	1/4	6.4	19.1	16.7	38.1
M10AV FA-4R	10	1/4	6.4	19.1	17.5	39.7
M10AV FA-6R	10	3/8	8.0	22.2	17.5	41.3
M10AV FA-8R	10	1/2	8.0	27.0	17.5	47.0
M12AV FA-4R	12	1/4	9.0	19.1	23.0	45.2
M12AV FA-6R	12	3/8	9.0	22.2	23.0	46.0
M12AV FA-8R	12	1/2	9.0	27.0	23.0	52.0
M18AV FA-12R	18	3/4	14.0	31.8	24.6	54.8



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



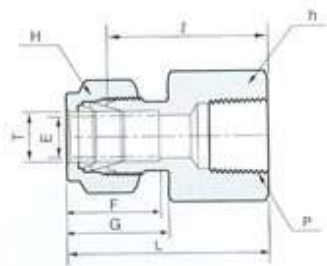
Female Connector AVFC

Fractional Tube to Male NPT Thread

Part No.	Tube O.D. T		P (NPT)	E Min	h		H		F	G	I	L
	in	mm			in	mm	in	mm				
2AVFC-2N	1/8	3.17	1/8	2.3	9/16	14.28	7/16	11.11	12.7	15.2	22.1	28.7
2AVFC-4N	1/8	3.17	1/4	2.3	3/4	19.05	7/16	11.11	12.7	15.2	26.9	33.5
3AVFC-2N	3/16	4.76	1/8	3.0	9/16	14.28	1/2	12.70	13.7	16.0	23.1	29.7
4AVFC-2N	1/4	6.35	1/8	4.8	9/16	14.28	9/16	14.28	15.2	17.8	23.8	31.2
4AVFC-4N	1/4	6.35	1/4	4.8	3/4	19.05	9/16	14.28	15.2	17.8	28.4	35.8
4AVFC-6N	1/4	6.35	3/8	4.8	7/8	22.22	9/16	14.28	15.2	17.8	30.2	37.6
4AVFC-8N	1/4	6.35	1/2	4.8	1-1/16	26.98	9/16	14.28	15.2	17.8	35.1	42.4
5AVFC-2N	5/16	7.93	1/8	6.4	9/16	14.28	5/8	15.87	16.3	18.5	24.6	32.0
5AVFC-4N	5/16	7.93	1/4	6.4	3/4	19.05	5/8	15.87	16.3	18.5	29.5	36.8
6AVFC-2N	3/8	9.52	1/8	7.0	5/8	15.87	11/16	17.46	16.8	19.3	25.4	32.8
6AVFC-4N	3/8	9.52	1/4	7.0	3/4	19.05	11/16	17.46	16.8	19.3	30.2	37.6
6AVFC-6N	3/8	9.52	3/8	7.0	7/8	22.22	11/16	17.46	16.8	19.3	31.8	39.1
6AVFC-8N	3/8	9.52	1/2	7.0	1-1/16	26.98	11/16	17.46	16.8	19.3	36.6	43.9
6AVFC-12N	3/8	9.52	3/4	7.0	1-5/16	33.33	11/16	17.46	16.8	19.3	40.4	47.8
8AVFC-4N	1/2	12.70	1/4	10.0	13/16	20.63	7/8	22.22	22.9	21.8	30.2	40.4
8AVFC-6N	1/2	12.70	3/8	10.0	7/8	22.22	7/8	22.22	22.9	21.8	31.8	41.9
8AVFC-8N	1/2	12.70	1/2	10.0	1-1/16	26.98	7/8	22.22	22.9	21.8	36.6	46.7
8AVFC-12N	1/2	12.70	3/4	10.0	1-5/16	33.33	7/8	22.22	22.9	21.8	38.1	48.3
10AVFC-6N	5/8	15.87	3/8	12.0	15/16	33.33	1	25.40	24.4	21.8	31.8	41.9
10AVFC-8N	5/8	15.87	1/2	12.0	1-1/16	26.98	1	25.40	24.4	21.8	36.6	46.7
12AVFC-8N	3/4	19.05	1/2	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	36.6	46.7
12AVFC-12N	3/4	19.05	3/4	16.0	1-5/16	33.33	1-1/8	28.57	24.4	21.8	38.1	48.3
14AVFC-12N	7/8	22.22	3/4	18.0	1-5/16	33.33	1-1/4	31.75	25.9	21.8	39.6	49.8
16AVFC-12N	1	25.40	3/4	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	41.1	53.3
16AVFC-16N	1	25.40	1	22.0	1-5/8	41.27	1-1/2	38.10	31.2	26.4	50.0	62.2



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



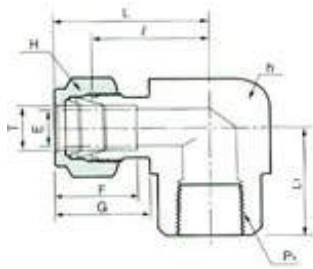
Female Connector AVFC

Metric Tube to Female ISO Tapered Thread

Part No.	Tube O.D. Tmm	P (NPT)	E Min	h	H	F	G	I	L ₁	L
M3AVFC-2R	3	1/8	2.3	14.3	11.1	12.9	15.3	22.1	9.9	28.7
M3AVFC-4R	3	1/4	2.3	19.1	11.1	12.9	15.3	26.9	15.0	33.5
M4AVFC-2R	4	1/8	2.3	14.3	12.7	13.7	16.1	23.1	9.9	29.7
M6AVFC-2R	6	1/8	4.8	14.3	14.3	15.3	17.7	23.9	9.9	31.3
M6AVFC-4R	6	1/4	4.8	19.1	14.3	15.3	17.7	28.4	15.0	35.8
M6AVFC-6R	6	3/8	4.8	22.2	14.3	15.3	17.7	29.5	15.0	36.9
M6AVFC-8R	6	1/2	4.8	27.0	14.3	15.3	17.7	35.1	19.8	42.5
M8AVFC-2R	8	1/8	6.4	14.3	15.9	16.2	18.6	24.6	9.9	32.1
M8AVFC-4R	8	1/4	6.4	19.1	15.9	16.2	18.6	29.5	15.0	37.0
M8AVFC-6R	8	3/8	6.4	22.2	15.9	16.2	18.6	30.2	15.0	37.0
M8AVFC-8R	8	1/2	6.4	27.0	15.9	16.2	18.6	35.8	19.8	43.3
M10AVFC-2R	10	1/8	8.0	17.5	19.1	17.2	19.5	25.4	9.9	33.0
M10AVFC-4R	10	1/4	8.0	19.1	19.1	17.2	19.5	30.2	15.0	37.8
M10AVFC-6R	10	3/8	8.0	22.2	19.1	17.2	19.5	31.0	15.0	38.6
M10AVFC-8R	10	1/2	8.0	27.0	19.1	17.2	19.5	36.6	19.8	44.2
M12AVFC-2R	12	1/8	8.3	22.2	22.2	22.8	22.0	28.4	9.9	38.5
M12AVFC-4R	12	1/4	10.0	22.2	22.2	22.8	22.0	30.2	15.0	40.3
M12AVFC-6R	12	3/8	10.0	22.2	22.2	22.8	22.0	31.0	15.0	41.1
M12AVFC-8R	12	1/2	10.0	27.0	22.2	22.8	22.0	36.6	19.8	46.7
M12AVFC-12R	12	3/4	10.0	31.8	22.2	22.8	22.0	38.9	20.6	49.0
M15AVFC-8R	15	1/2	12.0	27.0	25.4	24.4	22.0	36.6	19.8	46.7
M16AVFC-8R	16	1/2	12.0	27.0	25.4	24.4	22.0	36.8	19.8	46.9
M20AVFC-8R	20	1/2	16.0	30.2	31.8	26.0	22.0	37.8	19.8	47.9
M20AVFC-12R	20	3/4	16.0	31.8	31.8	26.0	22.0	39.6	20.6	49.7
M22AVFC-12R	22	3/4	18.0	31.8	31.8	26.0	22.0	39.6	20.6	49.7
M22AVFC-16R	22	1	18.0	39.7	31.8	26.0	22.0	47.8	25.4	57.9
M25AVFC-12R	25	3/4	22.0	36.5	38.1	31.3	26.5	41.1	20.6	53.4
M25AVFC-16R	25	1	22.0	39.7	38.1	31.3	26.5	50.0	25.4	62.3



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Female Elbow

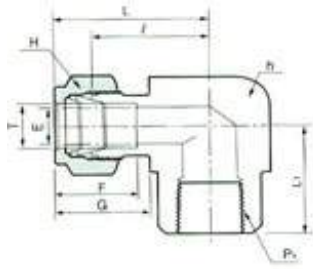
AVFE

Fractional Tube to Male NPT Thread

Part No.	Tube O.D. T		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2AVFE-2N	1/8	3.17	1/8	2.3	1/2	12.70	7/16	11.11	12.7	15.2	18.0	24.6	19.1
2AVFE-4N	1/8	3.17	1/4	2.3	11/16	17.46	7/16	11.11	12.7	15.2	20.8	27.4	22.4
3AVFE-2N	3/16	4.76	1/8	3.0	1/2	12.70	1/2	12.70	13.7	16.0	18.8	25.4	19.1
4AVFE-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	19.1
4AVFE-4N	1/4	6.35	1/4	4.8	11/16	17.46	9/16	14.28	15.2	17.8	22.4	29.7	22.4
4AVFE-6N	1/4	6.35	3/8	4.8	13/16	20.63	9/16	14.28	15.2	17.8	24.4	31.8	22.4
4AVFE-8N	1/4	6.35	1/2	4.8	1	25.40	9/16	14.28	15.2	17.8	27.2	34.5	28.4
5AVFE-2N	5/16	7.93	1/8	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7	19.1
5AVFE-4N	5/16	7.93	1/4	6.4	11/16	17.46	5/8	15.87	16.3	18.5	23.1	30.5	22.4
6AVFE-2N	3/8	9.52	1/8	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5	19.1
6AVFE-4N	3/8	9.52	1/4	7.0	11/16	17.46	11/16	17.46	16.8	19.3	23.9	31.2	22.4
6AVFE-6N	3/8	9.52	3/8	7.0	13/16	20.63	11/16	17.46	16.8	19.3	25.9	33.3	22.4
6AVFE-8N	3/8	9.52	1/2	7.0	1	25.40	11/16	17.46	16.8	19.3	28.7	36.1	28.4
8AVFE-4N	1/2	12.70	1/4	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8AVFE-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8AVFE-8N	1/2	12.70	1/2	10.0	1	25.40	7/8	22.22	22.9	21.8	28.7	38.9	28.4
10AVFE-6N	5/8	15.87	3/8	12.0	1	25.40	1	25.40	24.4	21.8	27.9	38.1	22.4
10AVFE-8N	5/8	15.87	1/2	12.0	1	25.40	1	25.40	24.4	21.8	29.7	39.9	28.4
12AVFE-8N	3/4	19.05	1/2	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	29.7	39.9	28.4
12AVFE-12N	3/4	19.05	3/4	16.0	1-1/4	31.75	1-1/8	28.57	24.4	21.8	34.5	44.7	31.8
14AVFE-12N	7/8	22.22	3/4	18.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7	31.8
16AVFE-12N	1	25.40	3/4	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0	31.8
16AVFE-16N	1	25.40	1	22.0	1-11/16	42.86	1-1/2	38.10	31.2	26.4	38.1	50.3	38.1



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Female Elbow

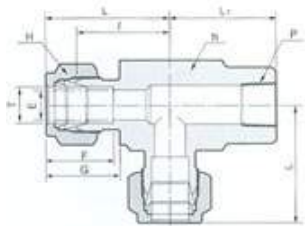
AVFE

Metric Tube to Male NPT Thread

Part No.	Tube O.D. Tm m	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3AVFE-2N	3	1/8	2.3	12.7	11.1	12.9	15.3	18.0	24.6	19.1
M3AVFE-4N	3	1/4	2.3	17.5	11.1	12.9	15.3	20.8	27.4	22.4
M4AVFE-2N	4	1/8	3.0	12.7	12.7	13.7	16.1	18.8	25.4	19.1
M6AVFE-2N	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	26.9	19.1
M6AVFE-4N	6	1/4	4.8	17.5	14.3	15.3	17.7	22.4	29.7	22.4
M6AVFE-6N	6	3/8	4.8	20.6	14.3	15.3	17.7	24.4	31.8	22.4
M6AVFE-8N	6	1/2	4.8	25.4	14.3	15.3	17.7	27.2	34.5	28.4
M8AVFE-2N	8	1/8	6.4	14.3	15.9	16.2	18.6	21.3	28.7	19.1
M8AVFE-4N	8	1/4	6.4	17.5	15.9	16.2	18.6	23.1	30.5	22.4
M12AVFE-4N	12	1/4	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12AVFE-6N	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12AVFE-8N	12	1/2	10.0	25.4	22.2	22.8	22.0	28.7	38.9	28.4
M15AVFE-6N	15	3/8	12.0	25.4	25.4	24.4	22.0	27.9	38.1	22.4
M15AVFE-8N	15	1/2	12.0	25.4	25.4	24.4	22.0	29.7	39.9	28.4
M18AVFE-8N	18	1/2	16.0	27.0	30.2	24.4	22.0	29.7	39.9	28.4
M18AVFE-12N	18	3/4	16.0	31.8	30.2	24.4	22.0	34.5	44.7	31.8
M22AVFE-12N	22	3/4	18.0	31.8	31.8	26.0	22.0	34.5	44.7	31.8
M25AVFE-12N	25	3/4	22.0	34.9	38.1	31.3	26.5	36.8	49.0	31.8
M25AVFE-16N	25	1	22.0	42.9	38.1	31.3	26.5	38.1	50.3	38.1



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Female Run Tee

AVFRT

Fractional Tube to Male NPT Thread

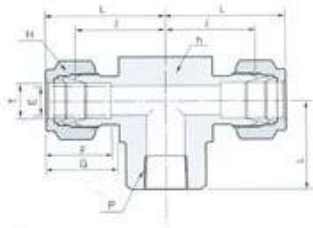
Part No.	Tube O.D. T		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2AVFRT-2N	1/8	3.17	1/8	2.3	1/2	12.70	7/16	11.11	12.7	15.2	18.0	24.6	19.1
4AVFRT-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	19.1
4AVFRT-4N	1/4	6.35	1/4	4.8	11/16	17.46	9/16	14.28	15.2	17.8	22.9	29.7	22.4
6AVFRT-4N	3/8	9.52	1/4	7.0	11/16	17.46	11/16	17.46	16.8	19.3	23.9	31.2	22.4
8AVFRT-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8AVFRT-8N	1/2	12.70	1/2	10.0	1	25.40	7/8	22.22	22.9	21.8	29.7	39.9	28.4
12AVFRT-12N	3/4	19.05	3/4	16.0	1-1/4	31.75	1-1/8	28.57	24.4	21.8	34.5	44.7	31.8

Metric Tube to Male NPT Thread

Part No.	Tube O.D. Tmm	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3AVFRT-2N	3	1/8	2.3	12.7	11.1	12.9	15.3	18.0	24.4	19.1
M6AVFRT-2N	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	26.9	19.1
M6AVFRT-4N	6	1/4	4.8	17.5	14.3	15.3	17.7	22.4	29.7	22.4
M12AVFRT-4N	12	1/4	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12AVFRT-6N	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12AVFRT-8N	12	1/2	10.0	25.4	22.2	22.8	22.0	28.7	38.9	28.4
M15AVFRT-8N	15	1/2	12.0	25.4	25.4	24.4	22.0	28.7	38.9	28.4
M18AVFRT-12N	18	3/4	16.0	31.8	30.2	24.4	22.0	34.5	44.7	31.8
M25AVFRT-12N	25	3/4	22.0	34.9	38.1	31.3	26.5	36.8	49.0	31.8
M25AVFRT-16N	25	1	22.0	42.9	38.1	31.3	26.5	38.1	50.3	38.1



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Female Branch Tee

AVFBT

Fractional Tube to Male NPT Thread

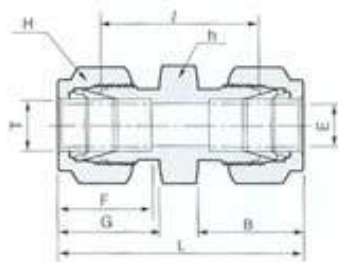
Part No.	Tube O.D. T		P (NPT)	E Min	h		H		F	G	I	L	L ₁
	in	mm			in	mm	in	mm					
2AVFBT-2N	1/8	3.17	1/8	2.3	1/2	12.70	7/16	11.11	12.7	15.2	18.0	24.4	19.1
4AVFBT-2N	1/4	6.35	1/8	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9	19.1
4AVFBT-4N	1/4	6.35	1/4	4.8	11/16	17.46	9/16	14.28	15.2	17.8	22.4	29.7	22.4
6AVFBT-4N	3/8	9.52	1/4	7.0	11/16	17.46	11/16	17.46	16.8	19.3	23.9	31.2	22.4
8AVFBT-4N	1/2	12.70	1/4	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8AVFBT-6N	1/2	12.70	3/8	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1	22.4
8AVFBT-8N	1/2	12.70	1/2	10.0	1	25.40	7/8	22.22	22.9	21.8	28.7	38.9	28.4
10AVFBT-8N	5/8	15.87	1/2	12.0	1	25.40	1	25.40	24.4	21.8	28.7	38.9	28.4
12AVFBT-12N	3/4	19.05	3/4	16.0	1-1/4	31.75	1-1/8	28.57	24.4	21.8	34.5	44.7	31.8
16AVFBT-12N	1	25.40	3/4	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0	31.8
16AVFBT-16N	1	25.40	1	22.0	1-11/16	42.86	1-1/2	38.10	31.2	26.4	38.1	50.3	38.1

Metric Tube to Male NPT Thread

Part No.	Tube O.D. Tmm	P (NPT)	E Min	h	H	F	G	I	L	L ₁
M3AVFBT-2N	3	1/8	2.3	12.7	11.1	12.9	15.3	18.0	24.4	19.1
M6AVFBT-2N	6	1/8	4.8	12.7	14.3	15.3	17.7	19.6	26.9	19.1
M6AVFBT-4N	6	1/4	4.8	17.5	14.3	15.3	17.7	22.4	29.7	22.4
M12AVFBT-4N	12	1/4	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12AVFBT-6N	12	3/8	10.0	20.6	22.2	22.8	22.0	25.9	36.1	22.4
M12AVFBT-8N	12	1/2	10.0	25.4	22.2	22.8	22.0	28.7	38.9	28.4
M15AVFBT-8N	15	1/2	12.0	25.4	25.4	24.4	22.0	28.7	38.9	28.4
M18AVFBT-12N	18	3/4	16.0	31.8	30.2	24.4	22.0	34.5	44.7	31.8
M25AVFBT-12N	25	3/4	22.0	34.9	38.1	31.3	26.5	36.8	49.0	31.8
M25AVFBT-16N	25	1	22.0	42.9	38.1	31.3	26.5	38.1	50.3	38.1



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Union
AVU

Fractional Tubes

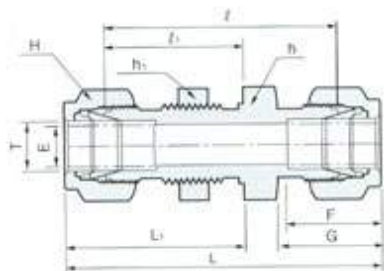
Part No.	Tube O.D. T		E Min	h		H		F	G	I	L
	in	mm		in	mm	in	mm				
2AVU	1/8	3.17	2.3	7/16	11.11	7/16	11.11	12.7	15.2	22.4	35.6
3AVU	3/16	4.76	3.0	7/16	11.11	1/2	12.70	13.7	16.0	24.1	37.3
4AVU	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	26.2	40.9
5AVU	5/16	7.93	6.4	9/16	14.28	5/8	15.87	16.3	18.5	28.2	42.9
6AVU	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	30.2	45.0
8AVU	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	31.0	51.3
10AVU	5/8	15.87	12.0	15/16	23.81	1	25.40	24.4	21.8	31.8	52.1
12AVU	3/4	19.05	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	33.3	53.6
14AVU	7/8	22.22	18.0	1-3/16	30.16	1-1/4	31.75	25.9	21.8	35.1	55.4
16AVU	1	25.40	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	40.4	64.8

Metric Tubes

Part No.	Tube O.D. Tmm	E Min	h	H	F	G	I	L
M3AVU	3	2.3	11.1	11.1	12.9	15.3	22.1	31.3
M4AVU	4	2.3	11.1	12.7	13.7	16.1	24.1	37.3
M6AVU	6	4.8	12.7	14.3	15.3	17.7	26.2	41.0
M8AVU	8	6.4	14.3	15.9	16.2	18.6	28.2	43.2
M10AVU	10	8.0	17.5	19.1	15.3	19.5	31.0	46.2
M12AVU	12	10.0	20.6	22.2	22.8	22.0	31.0	51.2
M15AVU	15	12.0	23.8	25.4	24.4	22.0	31.8	52.0
M16AVU	16	12.0	23.8	25.4	24.4	22.0	31.8	52.0
M18AVU	18	15.0	27.0	30.2	24.4	22.0	33.3	53.5
M20AVU	20	16.0	30.2	31.8	26.0	22.0	34.8	55.0
M22AVU	22	18.0	30.2	31.8	26.0	22.0	34.8	55.0
M25AVU	25	22.0	34.9	38.1	31.3	26.5	40.4	65.0



All dimensions are for reference only, and are subject to change without prior notice.
Sizes and types other than those featured above are available on request.



Bulkhead Union AVBU

Fractional Tubes

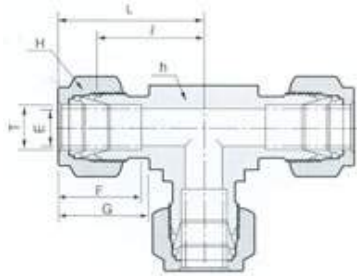
Part No.	Tube O.D.		E Min	h		H		F	G	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
	in	mm		in	mm	in	mm								
2AVBU	1/8	3.17	2.3	1/2	12.70	7/16	11.11	12.7	15.2	38.1	24.6	51.3	31.2	8.3	12.7
3AVBU	3/16	4.76	3.0	9/16	14.28	1/2	12.70	13.7	16.0	40.4	25.4	53.6	32.0	9.9	12.7
4AVBU	1/4	6.35	4.8	5/8	15.87	9/16	14.28	15.2	17.8	42.9	26.2	57.7	33.5	11.5	10.2
5AVBU	5/16	7.93	6.4	11/16	17.46	5/8	15.87	16.3	18.5	46.0	28.4	60.7	35.8	13.1	11.2
6AVBU	3/8	9.52	7.0	3/4	19.05	11/16	17.46	16.8	19.3	47.5	29.5	62.2	36.8	14.7	11.2
8AVBU	1/2	12.70	10.0	15/16	23.81	7/8	22.22	22.9	21.8	50.8	31.8	71.1	41.9	19.4	12.7
10AVBU	5/8	15.87	12.0	1-1/16	26.81	1	25.40	24.4	21.8	52.3	32.5	72.6	42.7	22.6	12.7
12AVBU	3/4	19.05	16.0	1-3/16	30.16	1-1/8	28.57	24.4	21.8	58.7	37.3	79.0	47.5	25.8	16.8
14AVBU	7/8	22.22	18.0	1-3/8	34.92	1-1/4	31.75	25.9	21.8	64.3	42.9	84.6	53.1	29.0	19.1
16AVBU	1	25.40	22.0	1-5/8	41.27	1-1/2	38.10	31.2	26.4	71.4	45.2	95.8	57.4	33.7	19.1

Metric Tubes

Part No.	Tube O.D. Tmm	E Min	h	h ₁	H	A	B	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
M3AVBU	3	2.3	12.7	12.7	12.7	12.9	15.3	38.1	24.6	51.3	31.2	8.3	12.7
M4AVBU	4	2.3	14.3	14.3	12.7	13.7	16.1	40.4	25.4	53.6	32.0	9.9	12.7
M6AVBU	6	4.8	15.9	15.9	14.3	15.3	17.7	42.9	26.2	57.7	33.6	11.5	10.2
M8AVBU	8	6.4	17.5	17.5	15.9	16.2	18.6	46.0	28.6	61.0	36.1	13.1	11.2
M10AVBU	10	8.0	22.2	22.0	19.1	17.2	19.5	48.5	29.4	63.7	37.0	16.2	11.2
M12AVBU	12	10.0	23.8	23.8	22.2	22.8	22.0	50.8	31.8	71.0	41.9	19.5	12.7
M15AVBU	15	12.0	27.0	27.0	25.4	24.4	22.0	52.3	32.5	72.5	42.6	22.8	12.7
M16AVBU	16	12.0	27.0	27.0	25.4	24.4	22.0	52.3	32.5	72.5	42.6	22.8	12.7
M18AVBU	18	15.0	30.2	30.2	30.2	24.4	22.0	58.7	37.3	78.9	47.4	26.0	16.8



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Union Tee AVUT

Fractional Tubes

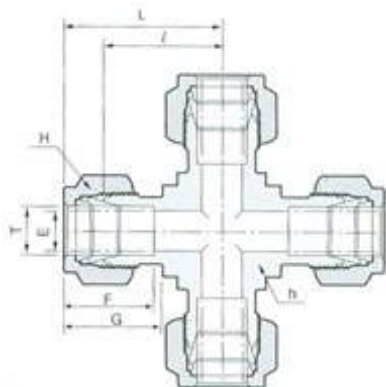
Part No.	Tube O.D. T		E Min	h		H		F	G	I	L
	in	mm		in	mm	in	mm				
2AVUT	1/8	3.17	2.3	7/16	11.11	7/16	11.11	12.7	15.2	15.7	22.4
3AVUT	3/16	4.76	3.0	7/16	11.11	1/2	12.70	13.7	16.0	17.8	24.4
4AVUT	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9
5AVUT	5/16	7.93	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7
6AVUT	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5
8AVUT	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1
10AVUT	5/8	15.87	12.0	1	25.40	1	25.40	24.4	21.8	28.7	38.9
12AVUT	3/4	19.05	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	29.7	39.9
14AVUT	7/8	22.22	18.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7
16AVUT	1	25.40	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0

Metric Tubes

Part No.	Tube O.D. Tmm	E Min	h	H	F	G	I	L
M3AVUT	3	2.3	11.1	11.1	12.9	15.3	17.0	23.6
M4AVUT	4	2.3	11.1	12.7	13.7	16.1	18.8	25.4
M6AVUT	6	4.8	12.7	14.3	15.3	17.7	19.6	27.0
M8AVUT	8	6.4	14.3	15.9	16.2	18.6	21.3	28.8
M10AVUT	10	8.0	17.5	19.1	17.2	19.5	23.9	31.5
M12AVUT	12	10.0	20.6	22.2	22.8	22.0	25.9	36.0
M15AVUT	15	12.0	25.4	25.4	24.4	22.0	28.7	38.8
M16AVUT	16	12.0	25.4	25.4	24.4	22.0	28.7	38.8
M18AVUT	18	15.0	27.0	30.2	24.4	22.0	29.7	39.8
M20AVUT	20	16.0	31.8	31.8	26.0	22.0	32.5	42.6
M22AVUT	22	18.0	31.8	31.8	26.0	22.0	32.5	42.6
M25AVUT	25	22.0	34.9	38.1	31.3	26.5	36.8	49.1



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Union Cross AVUC

Fractional Tubes

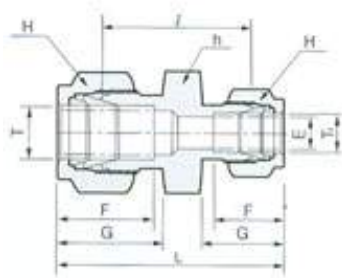
Part No.	Tube O.D. T		E Min	h		H		F	G	I	L
	in	mm		in	mm	in	mm				
2AVUC	1/8	3.17	2.3	7/16	11.11	7/16	11.11	12.7	15.2	15.7	22.4
3AVUC	3/16	4.76	3.0	7/16	11.11	1/2	12.70	13.7	16.0	17.8	24.4
4AVUC	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9
5AVUC	5/16	7.93	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7
6AVUC	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5
8AVUC	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1
10AVUC	5/8	15.87	12.0	1	25.40	1	25.40	24.4	21.8	28.7	38.9
12AVUC	3/4	19.05	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	29.7	39.9
14AVUC	7/8	22.22	18.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7
16AVUC	1	25.40	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0

Metric Tubes

Part No.	Tube O.D. Tmm	E Min	h	H	F	G	I	L
M3AVUC	3	2.3	11.1	11.1	12.9	15.3	17.0	23.6
M4AVUC	4	2.3	11.1	12.7	13.7	16.1	18.8	25.4
M6AVUC	6	4.8	12.7	14.3	15.3	17.7	19.6	27.0
M8AVUC	8	6.4	14.3	15.9	16.2	18.6	21.3	28.8
M10AVUC	10	8.0	17.5	19.1	17.2	19.5	23.9	31.5
M12AVUC	12	10.0	20.6	22.2	22.8	22.0	25.9	36.0



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Reducing Union

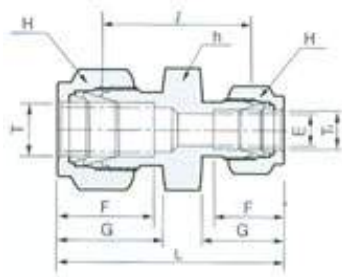
AVRU

Fractional Tube to Fractional Tube

Part No.	Tube O.D.				E Min	h		H		H1		F	F1	G	G1	I	L1
	T		T1			in	mm	in	mm	in	mm						
	in	mm	in	mm													
3AVRU-2	3/16	4.76	1/8	3.17	2.3	7/16	11.11	1/2	12.70	7/16	11.11	13.7	12.7	16.0	15.2	23.4	36.6
4AVRU-2	1/4	6.35	1/8	3.17	2.3	1/2	12.70	9/16	14.28	7/16	11.11	15.2	12.7	17.8	15.2	24.6	38.6
4AVRU-3	1/4	6.35	3/16	4.76	3.0	1/2	12.70	9/16	14.28	1/2	12.70	15.2	13.7	17.8	16.0	25.4	39.4
5AVRU-2	5/16	7.93	1/8	3.17	2.3	9/16	14.28	5/8	15.87	7/16	11.11	16.3	12.7	18.5	15.2	25.9	39.9
5AVRU-4	5/16	7.93	1/4	6.35	4.8	9/16	14.28	5/8	15.87	9/16	14.28	16.3	15.2	18.5	17.8	27.4	42.2
6AVRU-2	3/8	9.52	1/8	3.17	2.3	5/8	15.87	11/16	17.46	7/16	11.11	16.8	12.7	19.3	15.2	26.9	40.9
6AVRU-4	3/8	9.52	1/4	6.35	4.8	5/8	15.87	11/16	17.46	9/16	14.28	16.8	15.2	19.3	17.8	28.4	43.2
6AVRU-5	3/8	9.52	5/16	7.93	6.4	5/8	15.87	11/16	17.46	5/8	15.87	16.8	16.3	19.3	18.5	29.5	44.2
8AVRU-2	1/2	12.70	1/8	3.17	2.3	13/16	20.63	7/8	22.22	7/16	11.11	22.9	12.7	21.8	15.2	28.4	45.2
8AVRU-4	1/2	12.70	1/4	6.35	4.8	13/16	20.63	7/8	22.22	9/16	14.28	22.9	15.2	21.8	17.8	29.5	47.0
8AVRU-6	1/2	12.70	3/8	9.52	7.0	13/16	20.63	7/8	22.22	11/16	17.46	22.9	16.8	17.8	19.3	31.0	48.5
10AVRU-6	5/8	15.87	3/8	9.52	7.0	15/16	23.81	1	25.40	11/16	17.46	24.4	16.8	21.8	19.3	31.8	49.3
10AVRU-8	5/8	15.87	1/2	12.70	10.0	15/16	23.81	1	25.40	7/8	22.22	24.4	22.9	21.8	21.8	31.8	52.1
12AVRU-4	3/4	19.05	1/4	6.35	4.8	1-1/16	26.98	1-1/8	28.57	9/16	14.28	24.4	15.2	21.8	17.8	31.8	49.3
12AVRU-6	3/4	19.05	3/8	9.52	7.0	1-1/16	26.98	1-1/8	28.57	11/16	17.46	24.4	16.8	21.8	19.3	33.3	50.8
12AVRU-8	3/4	19.05	1/2	12.70	10.0	1-1/16	26.98	1-1/8	28.57	7/8	22.22	24.4	22.9	21.8	21.8	33.3	53.6
12AVRU-10	3/4	19.05	5/8	15.87	12.0	1-1/16	26.98	1-1/8	28.57	1	25.40	24.4	24.4	21.8	21.8	33.3	53.6
16AVRU-8	1	25.40	1/2	12.70	10.0	1-3/8	34.92	1-1/2	38.10	7/8	22.22	31.2	22.9	26.4	21.8	40.9	63.2
16AVRU-12	1	25.40	3/4	19.05	16.0	1-3/8	34.92	1-1/2	38.10	1-1/8	28.57	31.2	24.4	26.4	21.8	40.9	62.7



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



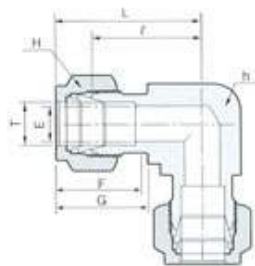
Reducing Union AVRU

Part No.	Tube O.D.		E min	Width across flat			F	F ₁	G	G ₁	I	L
	T (mm)	T ₁ (mm)		h	H	H ₁						
M6AVRU-M3	6	3	2.3	12.7	14.3	11.1	15.3	12.9	17.7	15.3	24.6	38.6
M6AVRU-M3	6	4	2.3	12.7	14.3	12.7	15.3	13.7	17.7	16.1	25.4	39.4
M8AVRU-M6	8	6	4.8	14.3	15.9	14.3	16.2	15.3	18.6	17.7	27.4	42.3
M10AVRU-M6	10	6	4.8	17.5	19.1	14.3	17.2	15.3	19.5	17.7	29.5	44.5
M10AVRU-M8	10	8	6.4	17.5	22.2	15.9	17.2	16.2	19.5	18.6	30.0	45.1
M12AVRU-M6	12	6	4.8	20.6	22.2	14.3	22.8	15.3	22.0	17.7	29.5	47.0
M12AVRU-M8	12	8	6.4	20.6	22.2	15.9	22.8	16.2	22.0	18.6	30.2	47.8
M12AVRU-M10	12	10	8.0	20.6	22.2	19.1	22.8	17.2	22.0	19.5	31.0	48.7
M16AVRU-M12	16	12	10.0	23.8	25.4	22.2	24.4	22.8	22.0	22.0	31.8	52.0
M25AVRU-M18	25	18	15.0	34.9	38.1	30.2	31.3	24.4	26.5	22.0	38.6	61.0
M25AVRU-M20	25	20	16.0	34.9	38.1	31.8	31.3	26.0	26.5	22.0	39.9	62.3

Part No.	Tube O.D.			E Min	Width across flat			F	F ₁	G	G ₁	I	L
	D (mm)	D ₁			h	H	H ₁						
M3AVRU-2	3	1/8	3.17	2.3	11.1	11.1	11.1	12.9	12.8	15.3	15.2	22.1	35.2
M4AVRU-2	4	1/8	3.17	2.3	11.1	12.7	11.1	13.7	12.8	16.1	15.2	23.4	36.5
M4AVRU-4	4	1/4	6.35	2.3	14.3	12.7	14.3	13.7	15.3	16.1	17.7	25.4	39.4
M6AVRU-2	6	1/8	3.17	2.3	12.7	14.3	11.1	15.3	12.8	17.7	15.2	24.6	38.5
M6AVRU-4	6	1/4	6.35	4.8	12.7	14.3	14.3	15.3	15.8	17.7	17.7	26.2	41.0
M6AVRU-5	6	5/16	7.93	4.8	14.3	14.3	15.9	15.3	16.2	17.7	18.6	27.4	42.3
M8AVRU-4	8	1/4	6.35	4.8	14.3	15.9	14.3	16.2	15.3	18.6	17.7	27.4	42.3
M10AVRU-2	10	1/8	3.17	2.3	17.5	19.1	11.1	17.2	16.2	19.5	15.2	27.7	41.8
M10AVRU-4	10	1/4	6.35	4.8	17.5	19.1	14.3	17.2	15.3	19.5	17.7	29.5	44.5
M10AVRU-5	10	5/16	7.93	6.4	17.5	19.1	15.9	17.2	12.8	19.5	18.6	30.0	45.1
M10AVRU-6	10	3/8	9.52	7.0	17.5	19.1	17.5	17.2	15.3	19.5	19.2	31.0	45.9
M12AVRU-5	12	5/16	7.93	6.4	20.6	22.2	15.9	22.8	16.2	22.0	18.6	30.2	47.8
M12AVRU-6	12	3/8	9.52	7.0	20.6	22.2	17.5	22.8	16.9	22.0	19.2	31.0	48.4
M12AVRU-8	12	1/2	12.70	10.0	20.6	22.2	22.2	22.8	22.8	22.0	22.0	31.0	51.2
M15AVRU-8	15	1/2	12.70	10.0	23.8	25.4	22.2	24.4	22.8	22.0	22.0	31.8	52.0
M16AVRU-10	16	5/8	15.87	12.0	23.8	25.4	25.4	24.4	24.4	22.0	22.0	31.8	52.0
M18AVRU-12	18	3/4	19.05	15.0	27.0	30.2	28.6	24.4	24.4	22.0	22.0	33.3	53.5



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Union Elbow AVEU

Fractional Tube to Fractional AVLOK port

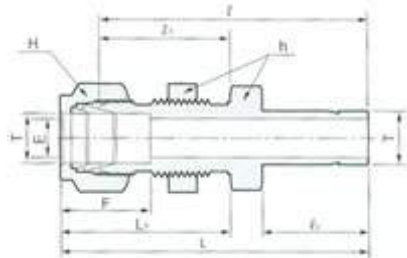
Part No.	Tube O.D. T		E Min	h		H		F	G	I	L
	in	mm		in	mm	in	mm				
2AVEU	1/8	3.17	2.3	7/16	11.11	7/16	11.11	12.7	15.2	15.7	22.4
3AVEU	3/16	4.76	3.0	7/16	11.11	1/2	12.70	13.7	16.0	17.8	24.4
4AVEU	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	19.6	26.9
5AVEU	5/16	7.93	6.4	9/16	14.28	5/8	15.87	16.3	18.5	21.3	28.7
6AVEU	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	23.1	30.5
8AVEU	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	25.9	36.1
10AVEU	5/8	15.87	12.0	1	25.40	1	25.40	24.4	21.8	28.7	38.9
12AVEU	3/4	19.05	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	29.7	39.9
14AVEU	7/8	22.22	18.0	1-1/4	31.75	1-1/4	31.75	25.9	21.8	34.5	44.7
16AVEU	1	25.40	22.0	1-3/8	34.92	1-1/2	38.10	31.2	26.4	36.8	49.0

Metric Tube to Metric AVLOK port

Part No.	Tube O.D. Tmm	E Min	h	H	F	G	I	L
M3AVEU	3	2.3	11.1	11.1	12.9	15.3	17.0	23.6
M4AVEU	4	2.3	11.1	12.7	13.7	16.1	18.8	25.4
M6AVEU	6	4.8	12.7	14.3	15.3	17.7	19.6	27.0
M8AVEU	8	6.4	14.3	15.9	16.2	18.6	21.3	28.8
M10AVEU	10	8.0	17.5	19.1	17.2	19.5	23.9	31.5
M12AVEU	12	10.0	20.6	22.2	22.8	22.0	25.9	36.0
M15AVEU	15	12.0	25.4	25.4	24.4	22.0	28.7	38.8
M16AVEU	16	12.0	25.4	25.4	24.4	22.0	28.7	38.8
M18AVEU	18	15.0	27.0	30.2	24.4	22.0	29.7	39.8
M20AVEU	20	16.0	31.8	31.8	26.0	22.0	32.5	42.6
M22AVEU	22	18.0	31.8	31.8	26.0	22.0	32.5	42.6
M25AVEU	25	22.0	34.9	38.1	31.3	26.5	36.8	49.1



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Bulk Head Reducer

AVBR

Fractional Tube to Fractional AVLOK port

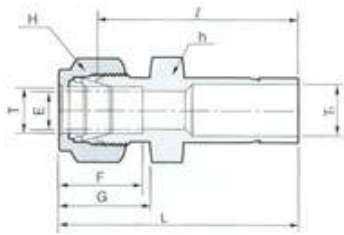
Part No.	Tube O.D.		E Min	h		H		F	G	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
	in	mm		in	mm	in	mm								
2AVBR	1/8	3.17	2.0	1/2	12.70	7/16	11.11	12.7	42.9	24.6	13.5	49.5	31.2	8.3	12.7
4AVBR	1/4	6.35	4.8	5/8	15.87	9/16	14.28	15.2	48.5	26.2	15.7	55.9	33.5	11.5	10.2
6AVBR	3/8	9.52	7.0	3/4	19.05	11/16	17.46	16.8	53.8	29.5	17.5	61.2	36.8	14.7	11.2
8AVBR	1/2	12.70	10.0	15/16	23.81	7/8	22.22	22.9	62.7	31.8	23.1	72.9	41.9	19.4	12.7

Metric Tube to Metric AVLOK port

Part No.	Tube O.D. T(mm)	E Min	h	H	A	B	I	I ₁	L	L ₁	Panel Hole Drill Size	Max Panel Thickness
M3AVBR	3	2.0	12.7	11.1	12.9	43.0	24.6	13.5	49.7	31.2	8.3	12.7
M6AVBR	6	4.8	15.9	14.3	15.3	48.5	26.2	15.9	55.9	33.6	11.5	10.2
M8AVBR	8	6.4	17.5	15.9	16.2	53.1	28.6	16.7	59.1	36.1	13.1	11.2
M12AVBR	12	10.0	23.8	22.2	22.8	62.7	31.8	23.0	72.9	41.9	19.4	12.7



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



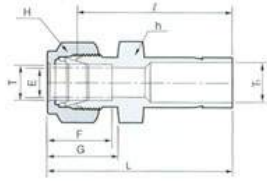
Reducer AVR

Fractional Tube to Fractional AVLOK port

Part No.	Tube O.D.				E Min	h		H		F	G	I	L
	T in	mm	T1 in	mm		in	mm	in	mm				
2AVR-2	1/8	3.17	1/8	3.17	2.0	7/16	11.11	7/16	11.11	12.7	15.2	26.9	33.5
2AVR-3	1/8	3.17	3/16	4.76	2.3	7/16	11.11	7/16	11.11	12.7	15.2	27.7	34.3
2AVR-4	1/8	3.17	1/4	6.35	2.3	7/16	11.11	7/16	11.11	12.7	15.2	29.5	36.1
2AVR-6	1/8	3.17	3/8	9.52	2.3	7/16	11.11	7/16	11.11	12.7	15.2	31.0	37.6
2AVR-8	1/8	3.17	1/2	12.70	2.3	9/16	14.28	7/16	11.11	12.7	15.2	37.6	44.2
3AVR-2	3/16	4.76	1/8	3.17	2.0	7/16	11.11	7/16	12.70	13.7	16.0	28.2	34.8
3AVR-4	3/16	4.76	1/4	6.35	3.0	7/16	11.11	7/16	12.70	13.7	16.0	30.5	37.8
4AVR-2	1/4	6.35	1/8	3.17	2.0	1/2	12.70	9/16	14.28	15.2	17.8	29.5	36.8
4AVR-3	1/4	6.35	3/16	4.76	3.0	1/2	12.70	9/16	14.28	15.2	17.8	30.2	37.6
4AVR-4	1/4	6.35	1/4	6.35	4.8	1/2	12.70	9/16	14.28	15.2	17.8	31.8	39.1
4AVR-5	1/4	6.35	5/16	7.93	4.8	1/2	12.70	9/16	14.28	15.2	17.8	32.5	39.9
4AVR-6	1/4	6.35	3/8	9.52	4.8	1/2	12.70	9/16	14.28	15.2	17.8	33.3	40.6
4AVR-8	1/4	6.35	1/2	12.70	4.8	9/16	14.28	9/16	14.28	15.2	17.8	38.9	46.2
4AVR-10	1/4	6.35	5/8	15.87	4.8	11/16	17.46	9/16	14.28	15.2	17.8	40.6	48.0
4AVR-12	1/4	6.35	3/4	19.05	4.8	13/16	20.63	9/16	14.28	15.2	17.8	40.4	47.8
5AVR-6	5/16	7.93	3/8	9.52	6.4	9/16	14.28	5/8	15.87	16.3	18.5	34.5	41.9
5AVR-8	5/16	7.93	1/2	12.70	6.4	9/16	14.28	5/8	15.87	16.3	18.5	40.1	47.5
6AVR-4	3/8	9.52	1/4	6.35	4.8	5/8	15.87	11/16	17.46	16.8	19.3	34.0	41.4
6AVR-6	3/8	9.52	3/8	9.52	7.0	5/8	15.87	11/16	17.46	16.8	19.3	35.8	43.2
6AVR-8	3/8	9.52	1/2	12.70	7.0	5/8	15.87	11/16	17.46	16.8	19.3	41.1	48.5
6AVR-10	3/8	9.52	5/8	15.87	7.0	11/16	17.46	11/16	17.46	16.8	19.3	42.9	50.3
6AVR-12	3/8	9.52	3/4	19.05	7.0	13/16	20.63	11/16	17.46	16.8	19.3	42.9	50.3
8AVR-4	1/2	12.70	1/4	6.35	4.8	13/16	20.63	7/8	22.22	22.9	21.8	34.8	45.0
8AVR-6	1/2	12.70	3/8	9.52	7.0	13/16	20.63	7/8	22.22	22.9	21.8	36.6	46.7
8AVR-8	1/2	12.70	1/2	12.70	10.0	13/16	20.63	7/8	22.22	22.9	21.8	42.2	52.3
8AVR-10	1/2	12.70	5/8	15.87	10.0	13/16	20.63	7/8	22.22	22.9	21.8	43.7	53.8
8AVR-12	1/2	12.70	3/4	19.05	10.0	13/16	20.63	7/8	22.22	22.9	21.8	43.7	53.8
8AVR-16	1/2	12.70	1	25.40	10.0	1-1/16	26.98	7/8	22.22	22.9	21.8	50.0	60.2
10AVR-12	5/8	15.87	3/4	19.05	12.0	15/16	23.81	1	25.40	24.4	21.8	44.5	54.6
10AVR-14	5/8	15.87	7/8	22.22	12.0	15/16	23.81	1	25.40	24.4	21.8	46.0	56.1
10AVR-16	5/8	15.87	1	25.40	12.0	1-1/16	23.81	1	25.40	24.4	21.8	50.8	61.0
12AVR-8	3/4	19.05	1/2	12.70	10.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	44.5	54.6
12AVR-16	3/4	19.05	1	25.40	16.0	1-1/16	26.98	1-1/8	28.57	24.4	21.8	52.3	62.5



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Reducer AVR

Metric Tube to Metric AVLOK port

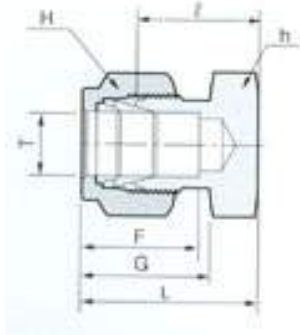
Part No.	Tube O.D.		E Min	h	H	F	G	I	L
	T (mm)	T1 (mm)							
M3AVR-M4	3	4	2.3	11.1	11.1	12.9	15.3	28.4	35.0
M3AVR-M6	3	6	2.3	11.1	11.1	12.9	15.3	29.5	36.1
M6AVR-M8	6	8	4.8	12.7	14.3	15.3	17.7	32.5	39.9
M6AVR-M10	6	10	4.8	12.7	14.3	15.3	17.7	33.3	40.7
M6AVR-M12	6	12	4.8	14.3	14.3	15.3	17.7	38.9	46.3
M8AVR-M6	8	6	4.8	14.3	15.9	16.2	18.6	32.8	40.3
M8AVR-M10	8	10	6.4	14.3	15.9	16.2	18.6	34.5	42.0
M8AVR-M12	8	12	6.4	14.3	15.9	16.2	18.6	40.1	47.6
M10AVR-M6	10	6	4.8	17.5	17.5	17.2	19.5	34.8	42.4
M10AVR-M12	10	12	8.0	17.5	17.5	17.2	19.5	42.2	49.8
M12AVR-M6	12	6	4.8	20.6	22.2	22.8	22.0	34.8	44.9
M12AVR-M10	12	10	8.0	20.6	22.2	22.8	22.0	36.6	46.7
M12AVR-M16	12	16	10.0	20.6	22.2	22.8	22.0	43.7	53.8
M12AVR-M18	12	18	10.0	20.6	22.2	22.8	22.0	43.7	53.8
M16AVR-M12	16	12	9.0	23.8	25.4	24.4	22.0	42.9	53.0
M18AVR-M12	18	12	9.0	27.0	30.2	24.4	22.0	44.5	54.8
M18AVR-M16	18	16	12.0	27.0	30.2	24.4	22.0	46.0	56.1
M20AVR-M16	20	16	12.0	30.2	31.8	26.0	22.0	47.8	57.9
M20AVR-M18	20	18	14.0	30.2	31.8	26.0	22.0	47.8	57.9
M22AVR-M20	22	20	15.0	30.2	31.8	26.0	22.0	49.3	59.4
M22AVR-M25	22	25	18.0	30.2	31.8	26.0	22.0	54.1	64.2
M25AVR-M25	25	18	14.0	34.9	38.1	31.3	26.5	50.8	63.1
M25AVR-M20	25	25	15.0	34.9	38.1	31.3	26.5	52.3	64.6

Metric Tube to Fractional AVLOK port

Part No.	T (mm)	Tube O.D.		E Min	h	H	F	G	I	L
		T1								
		in	mm							
M3AVR-2	3	1/8	3.17	2.0	11.1	11.1	12.9	15.3	26.9	33.5
M3AVR-6	3	1/4	6.35	2.3	11.1	11.1	12.9	15.3	29.5	36.1
M6AVR-4	6	1/4	6.35	4.8	12.7	14.3	15.3	17.7	31.8	39.2
M6AVR-5	6	5/16	7.93	4.8	12.7	14.3	15.3	17.7	32.5	39.9
M6AVR-6	6	3/8	9.52	4.8	12.7	14.3	15.3	17.7	33.3	40.7
M6AVR-8	6	1/2	12.70	4.8	14.3	14.3	15.3	17.7	38.9	46.3
M8AVR-6	8	3/8	9.52	6.4	14.3	15.9	16.2	18.6	34.5	42.0
M8AVR-8	8	1/2	12.70	6.4	14.3	15.9	16.2	18.6	40.1	47.6
M10AVR-6	10	3/8	9.52	7.0	17.5	19.1	17.2	19.5	36.6	44.2
M10AVR-8	10	1/2	12.70	8.0	17.5	19.1	17.2	19.5	42.2	49.8
M12AVR-8	12	1/2	12.70	10.0	20.6	22.2	22.8	22.0	42.2	52.3
M12AVR-12	12	3/4	19.05	10.0	20.6	22.2	22.8	22.0	43.7	53.8
M18AVR-12	18	3/4	19.05	15.0	27.0	30.2	24.4	22.0	46.0	56.1
M18AVR-16	18	1	25.40	15.0	27.0	30.2	24.4	22.0	52.3	62.4



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Tube Cap AVC

Fractional Tubes

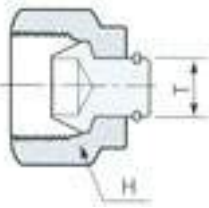
Part No.	Tube O.D. T		h		H		F	G	I	L
	in	mm	in	mm	in	mm				
2AV C	1/8	3.17	7/16	11.11	7/16	11.11	12.7	15.2	13.5	20.1
3AV C	3/16	4.76	7/16	11.11	1/2	12.70	13.7	16.0	14.7	21.3
4AV C	1/4	6.35	1/2	12.70	9/16	14.28	15.2	17.8	16.0	23.4
5AV C	5/16	7.93	9/16	14.28	5/8	15.87	16.3	18.5	17.0	24.4
6AV C	3/8	9.52	5/8	15.87	11/16	17.46	16.8	19.3	18.3	25.7
8AV C	1/2	12.70	13/16	20.63	7/8	22.22	22.9	21.8	19.1	29.2
10AV C	5/8	15.87	15/16	23.81	1	25.40	24.4	21.8	19.8	30.0
12AV C	3/4	19.05	1-1/16	26.98	1-1/8	28.57	24.4	21.8	21.3	31.5
14AV C	7/8	22.22	1-3/16	30.16	1-1/4	31.75	25.9	21.8	23.9	34.0
16AV C	1	25.40	1-3/8	34.92	1-1/2	38.10	31.2	26.4	26.2	38.4

Metric Tubes

Part No.	Tube O.D. T	h	H	F	G	I	L
M3AV C	3	11.1	11.1	12.9	15.3	13.5	20.1
M4AV C	4	11.1	12.7	13.7	16.1	14.7	21.3
M6AV C	6	14.3	14.3	15.3	17.7	15.7	23.1
M8AV C	8	14.3	15.9	16.2	18.6	17.0	24.5
M10AV C	10	17.5	19.1	17.2	19.5	19.0	26.6
M12AV C	12	20.6	22.2	22.8	22.0	19.0	29.1
M15AV C	15	23.8	25.4	24.4	22.0	19.8	29.9
M16AV C	16	23.8	25.4	24.4	22.0	19.8	31.9
M18AV C	18	27.0	30.2	24.4	22.0	21.3	31.4
M20AV C	20	30.2	31.8	26.0	22.0	23.9	34.0
M22AV C	22	30.2	31.8	26.0	22.0	23.9	34.0
M25AV C	25	34.9	38.1	31.3	26.5	26.2	38.5



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



Tube Plug

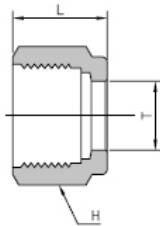
AVP

Fractional Tubes

Part No.	Tube O.D. T		H	
	in	mm	in	mm
2AV P	1/8	3.17	7/16	11.11
3AV P	3/16	4.76	1/2	12.70
4AV P	1/4	6.35	9/16	14.28
5AV P	5/16	7.93	5/8	15.87
6AV P	3/8	9.52	11/16	17.46
8AV P	1/2	12.70	7/8	22.22
10AV P	5/8	15.87	1	25.40
12AV P	3/4	19.05	1-1/8	28.57
14AV P	7/8	22.22	1-1/4	31.75
16AV P	1	25.40	1-1/2	38.10

Metric Tubes

Part No.	Tube O.D. T (mm)	H
M3AV P	3	11.1
M4AV P	4	12.7
M6AV P	6	14.3
M8AV P	8	15.9
M10AV P	10	19.1
M12AV P	12	22.2
M15AV P	15	25.4
M16AV P	16	25.4
M18AV P	18	30.2
M20AV P	20	31.8
M22AV P	22	31.8
M25AV P	25	38.1



Nut

AVN

Fractional Tubes

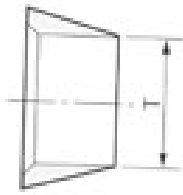
Part No.	Tube O.D. T		H		L
	in	mm	in	mm	
2AV N	1/8	3.17	7/16	11.11	11.9
3AV N	3/16	4.76	1/2	12.70	11.9
4AV N	1/4	6.35	9/16	14.28	12.7
5AV N	5/16	7.93	5/8	15.87	13.4
6AV N	3/8	9.52	11/16	17.46	14.2
8AV N	1/2	12.70	7/8	22.22	17.5
10AV N	5/8	15.87	1	25.40	17.5
12AV N	3/4	19.05	1-1/8	28.57	17.5
14AV N	7/8	22.22	1-1/4	31.75	17.5
16AV N	1	25.40	1-1/2	38.10	20.6

Metric Tubes

Part No.	Tube O.D. T (mm)	H	L
M3AV N	3	11.1	11.9
M4AV N	4	11.1	11.9
M6AV N	6	14.3	12.7
M8AV N	8	15.9	13.4
M10AV N	10	19.1	15.1
M12AV N	12	22.2	17.5
M15AV N	15	25.4	17.5
M16AV N	16	25.4	17.5
M18AV N	18	30.2	17.5
M20AV N	20	31.9	17.5
M22AV N	22	31.9	17.5
M25AV N	25	38.1	20.6



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.



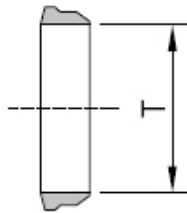
Front Ferrule AVFF

Fractional Tubes

Part No.	Tube O.D.	
	in	mm
2AVFF	1/8	3.17
3AVFF	3/16	4.76
4AVFF	1/4	6.35
5AVFF	5/16	7.93
6AVFF	3/8	9.52
8AVFF	1/2	12.70
10AVFF	5/8	15.87
12AVFF	3/4	19.05
14AVFF	7/8	22.22
16AVFF	1	25.40

Metric Tubes

Part No.	Tube O.D. T (mm)
M3AVFF	3
M4AVFF	4
M6AVFF	6
M8AVFF	8
M10AVFF	10
M12AVFF	12
M15AVFF	15
M16AVFF	16
M18AVFF	18
M20AVFF	20
M22AVFF	22
M25AVFF	25



Back Ferrule AVBF

Fractional Tubes

Part No.	Tube O.D.	
	in	mm
2AVBF	1/8	3.17
3AVBF	3/16	4.76
4AVBF	1/4	6.35
5AVBF	5/16	7.93
6AVBF	3/8	9.52
8AVBF	1/2	12.70
10AVBF	5/8	15.87
12AVBF	3/4	19.05
14AVBF	7/8	22.22
16AVBF	1	25.40





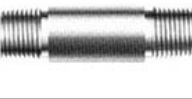
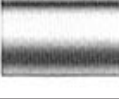

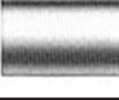






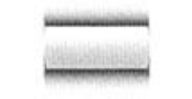



Metric Tubes

Part No.	Tube O.D. T (mm)
M3AVBF	3
M4AVBF	4
M6AVBF	6
M8AVBF	8
M10AVBF	10
M12AVBF	12
M15AVBF	15
M16AVBF	16
M18AVBF	18
M20AVBF	20
M22AVBF	22
M25AVBF	25



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

INDEX

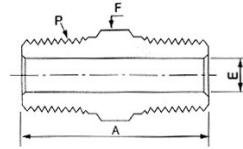
Item	Part	Page	Item	Part	Page
	Hex Nipple AVPHN	3		Pipe Plug AVPPG	5
	Hex Long Nipple AVPHLN	3		Pipe Cap AVPCP	5
	Long Nipple AVPLN	3		Coupling S. W. Type AVPCW	6
	Hex Reducing Nipple AVPHRN	3		Reducing Coupling S. W. Type AVPRCW	6
	Adapter AVPA	4		Female Elbow AVPFE	6
	Reducing Adapter AVPRA	4		Male Elbow AVPME	6
	Reducing Coupling AVPRC	4		Street Elbow AVPSE	7
	Coupling AVPC	4		Female Tee AVPFT	7
	Reducing Bushing AVPRB	5		Male Tee AVPMT	7



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

Hex Nipple

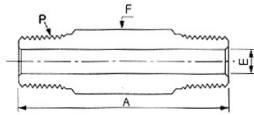
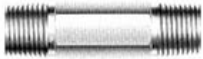
AVPHN



ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS		
		A	E	F
AVPHN-2	1/8	25	4.8	7/16
AVPHN-4	1/4	35	7.0	9/16
AVPHN-6	3/8	36	10.0	11/16
AVPHN-8	1/2	47	12.0	7/8
AVPHN-12	3/4	47	16.0	1-1/16
AVPHN-16	1	59	22.0	1-3/8

Hex Long Nipple

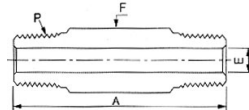
AVPHLN



ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS		
		A	E	F
AVPHLN-2	1/8	100	4.8	7/16
AVPHLN-4	1/4	100	7.0	9/16
AVPHLN-6	3/8	100	10.0	11/16
AVPHLN-8	1/2	100	12.0	7/8
AVPHLN-12	3/4	100	16.0	1-1/16
AVPHLN-16	1	100	22.0	1-3/8

Long Nipple

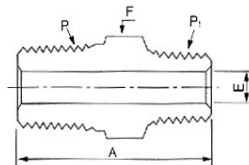
AVPLN



ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS		
		A	E	F
AVPLN-2	1/8	100	5.7	10.5Ø
AVPLN-4	1/4	100	7.8	13.8Ø
AVPLN-6	3/8	100	10.9	17.3Ø
AVPLN-8	1/2	100	14.3	21.7Ø
AVPLN-12	3/4	100	19.4	27.2Ø
AVPLN-16	1	100	25.0	34.0Ø

Hex Reducing Nipple

AVPHRN



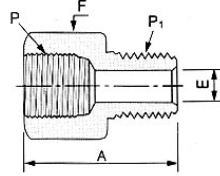
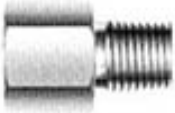
ORDER BY PART NO.	PIPE SIZE		DIMENSION		
	P-PT.NPT	P-PT.NPT	A	E	F
4AVPHRN-2	1/4	1/8	31	4.8	9/16
6AVPHRN-4	3/8	1/4	36	7.0	11/16
8AVPHRN-4	1/2	1/4	42	7.0	7/8
8AVPHRN-6	1/2	3/8	42	10.0	7/8
12AVPHRN-6	3/4	3/8	44	10.0	1-1/16
12AVPHRN-8	3/4	1/2	49	12.0	1-1/16
16AVPHRN-8	1	1/2	54	12.0	1-3/8
16AVPHRN-12	1	3/4	54	16.0	1-3/8



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

Adapter

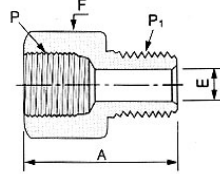
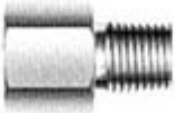
AVPA



ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS		
		A	E	F
AVPA-2	1/8	28	4.8	9/16
AVPA-4	1/4	33	6.5	3/4
AVPA-6	3/8	36	10.0	7/8
AVPA-8	1/2	45	12.0	1-1/16
AVPA-12	3/4	50	16.0	1-1/4
AVPA-26	1	58	22.0	1-5/8

Reducing Adapter

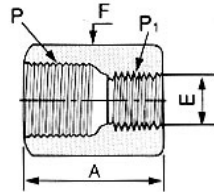
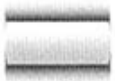
AVPRA



ORDER BY PART NO.	PIPE SIZE		DIMENSION		
	P-PT.NPT	P-PT.NPT	A	E	F
4AVPRA-2	1/4	1/8	30	4.8	3/4
6AVPRA-4	3/8	1/4	35	6.5	7/8
8AVPRA-4	1/2	1/4	39	6.5	1-1/16
8AVPRA-6	1/2	3/8	41	10.0	1-1/16
12AVPRA-6	3/4	3/8	44	10.0	1-1/4
12AVPRA-8	3/4	1/2	48	12.0	1-1/4
16AVPRA-8	1	1/2	52	12.0	1-5/8
16AVPRA-12	1	3/4	55	16.0	1-5/8

Reducing Coupling

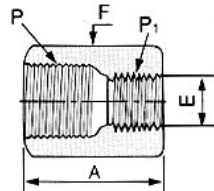
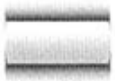
AVPRC



ORDER BY PART NO.	PIPE SIZE		DIMENSION		
	P-PT.NPT	P-PT.NPT	A	E	F
4AVPRC-2	1/4	1/8	30	8.0	3/4
6AVPRC-4	3/8	1/4	30	11.0	7/8
8AVPRC-4	1/2	1/4	40	11.0	1-1/16
8AVPRC-6	1/2	3/8	40	15.0	1-1/16
12AVPRC-6	3/4	3/8	42	15.0	1-1/4
12AVPRC-8	3/4	1/2	42	18.0	1-1/4
16AVPRC-8	1	1/2	51	18.0	1-5/8
16AVPRC-12	1	3/4	51	22.0	1-5/8

Coupling

AVPC



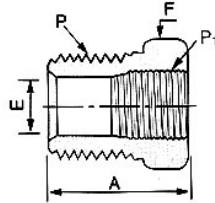
ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS		
		A	E	F
AVPC-2	1/8	21	8.0	9/16
AVPC-4	1/4	30	11.0	3/4
AVPC-6	3/8	30	15.0	7/8
AVPC-8	1/2	40	18.0	1-1/16
AVPC-12	3/4	42	22.0	1-1/4
AVPC-26	1	51	25.0	1-5/8



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

Reducing Bushing

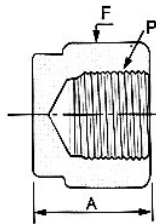
AVPRB



ORDER BY PART NO.	PIPE SIZE		DIMENSION		
	P-PT.NPT	P-PT.NPT	A	E	F
4AVPRB-2	1/4	1/8	22	8.0	9/16
6AVPRB-4	3/8	1/4	23	11.0	11/16
8AVPRB-4	1/2	1/4	28	11.0	7/8
8AVPRB-6	1/2	3/8	28	15.0	7/8
12AVPR B-4	3/4	1/4	31	11.0	1-1/16
12AVPR B-6	3/4	3/8	31	15.0	1-1/16
12AVPR B-8	3/4	1/2	31	18.0	1-1/16
16AVPR A-8	1	1/2	35	18.0	1-3/8
16AVPR A-12	1	3/4	35	22.0	1-3/8

Pipe Cap

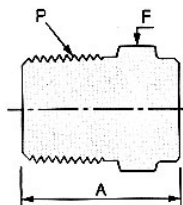
AVPCP



ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS	
		A	F
AVPCP-2	1/8	19	9/16
AVPCP-4	1/4	23	3/4
AVPCP-6	3/8	23	7/8
AVPCP-8	1/2	34	1-1/16
AVPCP-12	3/4	34	1-1/4
AVPCP-16	1	41	1-5/8

Pipe Plug

AVPPG



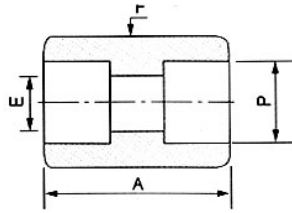
ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS	
		A	F
AVPCP-2	1/8	19	7/16
AVPCP-4	1/4	24	9/16
AVPCP-6	3/8	25	11/16
AVPCP-8	1/2	31	7/8
AVPCP-12	3/4	31	1-1/16
AVPCP-16	1	38	1-3/8



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

Coupling S. W. Type

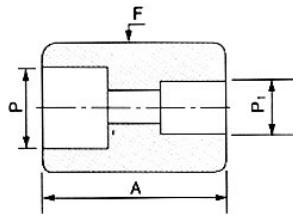
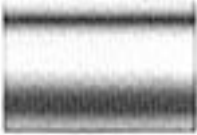
AVPCW



ORDER BY PART NO.	PIPE SIZE		DIMENSION		
	NOM SIZE	P-SW	A	E	F
8AVPCW-8	1/2	22.2	29.5	14.0	32Ø
12AVPCW-12	3/4	27.7	35.5	19.0	38Ø
16AVPCW-16	1	34.5	38.7	25.0	46Ø

Reducing Coupling S. W. Type

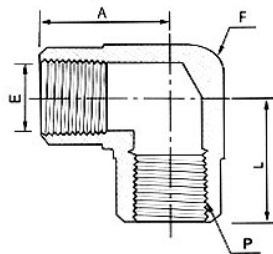
AVPRCW



ORDER BY PART NO.	PIPE SIZE			DIMENSION		
	MON SIZE	PI-SW	P-SW	A	E	F
12AVPRCW-8	3/4 x 1/2	27.7	22.2	32.5	14.0	38Ø
16AVPRCW-8	1 x 1/2	34.5	22.2	35.7	14.0	46Ø
16AVPRCW-12	1 x 3/4	34.5	27.7	38.7	19.0	46Ø

Female Elbow

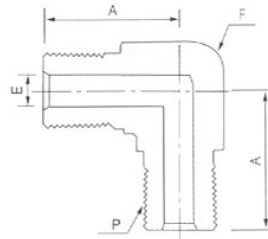
AVPFE



ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS		
		A	E	F
AVPFE-2	1/8	26.4	8.6	1/2
AVPFE-4	1/4	29.7	11.4	11/16
AVPFE-6	3/8	36.0	14.9	13/16
AVPFE-8	1/2	39.6	18.5	1

Male Elbow

AVPME



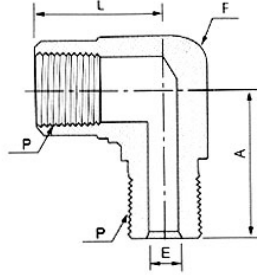
ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS		
		A	E	F
AVPME-2	1/8	19.5	4.8	7/16
AVPME-4	1/4	23.4	7.0	1/2
AVPME-6	3/8	28.0	10.0	13/16
AVPME-8	1/2	36.8	12.0	13/16



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

Street Elbow

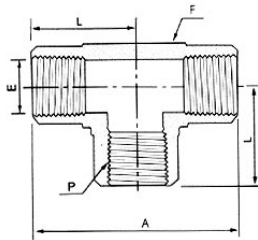
AVPSE



ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS			
		A	E	L	F
AVPSE-2	1/8	26.4	26.4	4.8	7/16
AVPSE-4	1/4	29.7	29.7	7.0	1/2
AVPSE-6	3/8	36.0	36.0	10.0	11/16
AVPSE-8	1/2	39.6	39.6	12.0	13/16

Female Tee

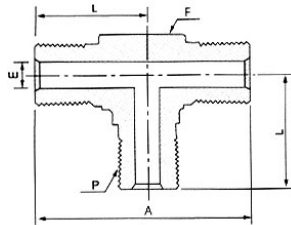
AVPFT



ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS			
		A	E	L	F
AVPFT-2	1/8	46	8.6	23	1/2
AVPFT-4	1/4	46	11.4	23	11/16
AVPFT-6	3/8	52	14.9	26	13/16
AVPFT-8	1/2	60	18.5	30	1

Male Tee

AVPMT



ORDER BY PART NO.	PIPE P-PT NPT	DIMENSIONS			
		A	E	L	F
AVPMT-2	1/8	39.0	4.8	19.5	7/16
AVPMT-4	1/4	53.3	7.0	21.5	9/16
AVPMT-6	3/8	56.0	10.0	28.0	11/16
AVPMT-8	1/2	73.6	12.0	36.8	13/16



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

PROPERTIES & PHYSICAL FEATURES

These couplings are manufactured in various metals, with different end connections like, Female / Male Threaded, Hose Shank, Flange End, Socket / Butt Weld End.

METALS OF ASSEMBLY

BODY	BALLS	SPRINGS	VALVES
Brass	SS.304	SS.304	Brass
SS.304	SS.304	SS.304	SS.304
SS.316	SS.316	SS.316	SS.316
Carbon Steel	Carbon Steel	SS.	Carbon Steel

SEAL MATERIAL

Selecting the right seal material depends on which fluid type and temperature range is used listed below. This will greatly influence the life of the couplings. The standard seal material is nitrile rubber.

RUBBER	OPERATING TEMPERATURE	RECOMMENDED APPLICATION
NITRILE	-20°C TO +90°C	OIL RESISTANT
NEOPRENE	-20°C TO +100°C	FREON / OZONE RESISTANT
EPDM	-20°C TO +120°C	STEAM RESISTANT
SILICON	-20°C TO +180°C	DRY HEAT
VITON	-20°C TO +220°C	HEAT AND /OR CHEMICAL
TEFLON	-40°C TO +260°C	HIGHTEMPERATURE

QUALITY CONTROL

Each AVLOK Coupling manufactured goes through stringent quality control, right from the procurement of raw material upto final stage.

PRECAUTION

- Avoid connecting or disconnecting a coupling under pressure.
- Residual pressure in a coupling may make it difficult to connect. In such a case, do not strike the valve end to depressurize it.
- Improper selection of seal rubber may cause leakage.
- Dust or flaws in the seal may cause leakage.
- Improper selection or improper use of the products can cause personal injury and property damage.

All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

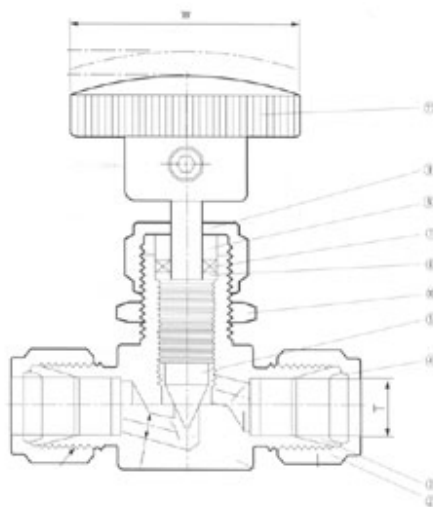
FORGED INTEGRAL BONNET NEEDLE VALVES



SPECIFICATION

1. CONNECTION : AVLOK TUBE FITTING
2. MAX OPERATION TEMPERATURE : -50°c ~ +232°
3. MAX OPERATION PRESSURE
 ASTM A182 F316 : 5000PSIG
 BRASS : 3000PSIG
4. AVAILABLE WITH PLASTIC OR SS/ALUMINIUM BAR HANDLES.
5. SIZE RANGE 1/8" UPTO 1"

No.	Description	SS316Valves	Brass Valves
1.	Body	316SS	Brass
2.	Nut	316SS	Brass
3.	Front Ferrule	316SS	Brass
4.	Back Ferrule	316SS	Brass
5.	Stem	316SS	316SS
6.	Packing Ring	316SS	Brass
7.	Packing	TFE	TFE
8.	Packing Gland	316SS	Brass
9.	Packing Nut	316SS	Brass
10.	Lock Nut	316SS	Brass
11.	Handle	Standard	P.C.
		Alternative	316SS (BAR) Brass (Bar)



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

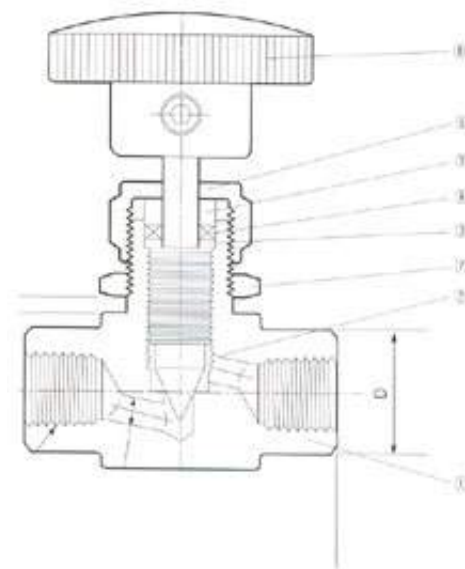
FORGED INTEGRAL BONNET NEEDLE VALVES



SPECIFICATION

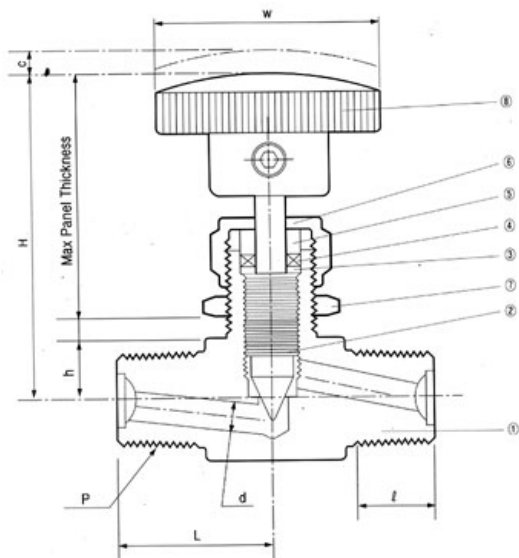
1. CONNECTION : FEMALE THREAD (BSP/NPT)
2. MAX OPERATION TEMPERATURE : -50°c ~ +232°
3. MAX OPERATION PRESSURE
 ASTM A182 F316 : 5000PSIG
 BRASS : 3000PSIG
4. AVAILABLE WITH PLASTIC/SS BAR HANDLES
5. SIZE RANGE 1/8" UPTO 1"

No.	Description	SS316Valves	Brass Valves
1.	Body	316SS	Brass
2.	Stem	316SS	316SS
3.	Packing Ring	316SS	Brass
4.	Packing	TFE	TFE
5.	Packing Gland	316SS	Brass
6.	Packing Nut	316SS	Brass
7.	Lock Nut	316SS	Brass
8.	Handle	Standard	P.C.
		Alternative	316SS (BAR) Brass (Bar)



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

FORGED INTEGRAL BONNET NEEDLE VALVES



SPECIFICATION

1. CONNECTION : MALE THREAD (BSP/NPT)
2. MAX OPERATION TEMPERATURE : -50°c ~ +232°
3. MAX OPERATION PRESSURE
ASTM A182 F316 : 5000PSIG
4. AVAILABLE WITH PLASTIC/SS BAR HANDLES
5. SIZE RANGE 1/8" UPTO 1"

No.	Description	SS316Valves	Brass Valves
1.	Body	316SS	Brass
2.	Stem	316SS	316SS
3.	Packing Ring	316SS	Brass
4.	Packing	TFE	TFE
5.	Packing Gland	316SS	Brass
6.	Packing Nut	316SS	Brass
7.	Lock Nut	316SS	Brass
8.	Handle	Standard	P.C.
		Alternative	316SS (BAR) Brass (Bar)



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

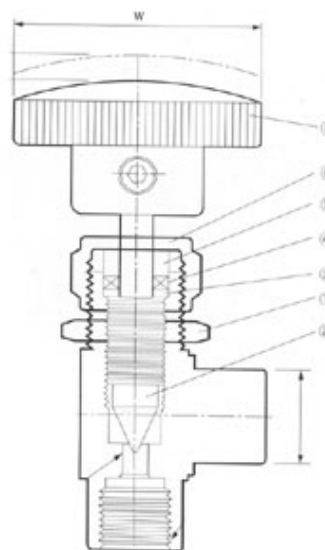
FORGED INTEGRAL BONNET ANGLE TYPE VALVES



SPECIFICATION

1. CONNECTION : FEMALE THREAD (BSP/NPT)
2. MAX OPERATION TEMPERATURE : -50°C ~ +232°
3. MAX OPERATION PRESSURE
 ASTM A182 F316 : 5000PSIG
 BRASS : 3000PSIG
4. AVAILABLE WITH PLASTIC OR SS/ALUMINIUM BAR HANDLES.
5. SIZE RANGE 1/8" UPTO 1"

No.	Description	SS316Valves	Brass Valves
1.	Body	316SS	Brass
2.	Stem	316SS	316SS
3.	Packing Ring	316SS	Brass
4.	Packing	TFE	TFE
5.	Packing Gland	316SS	Brass
6.	Packing Nut	316SS	Brass
7.	Lock Nut	316SS	Brass
8.	Handle	Standard	P.C.
		Alternative	316SS (BAR)
		Brass (Bar)	



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

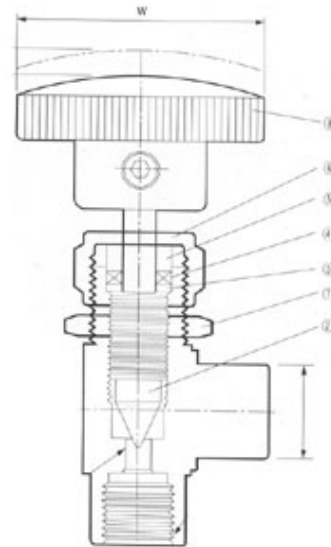
FORGED INTEGRAL BONNET ANGLE TYPE VALVES



SPECIFICATION

1. CONNECTION : FEMALE THREAD (BSP/NPT)
2. MAX OPERATION TEMPERATURE : -50°C ~ +232°
3. MAX OPERATION PRESSURE
 ASTM A182 F316 : 5000PSIG
 BRASS : 3000PSIG
4. AVAILABLE WITH PLASTIC OR SS/ALUMINIUM BAR HANDLES.
5. SIZE RANGE 1/8" UPTO 1"

No.	Description	SS316Valves	Brass Valves
1.	Body	316SS	Brass
2.	Stem	316SS	316SS
3.	Packing Ring	316SS	Brass
4.	Packing	TFE	TFE
5.	Packing Gland	316SS	Brass
6.	Packing Nut	316SS	Brass
7.	Lock Nut	316SS	Brass
8.	Handle	Standard	P.C.
		Alternative	316SS (BAR) Brass (Bar)



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

2-VALVE MANIFOLD

2-Valve Manifold

AVLOK 2 -Valve Manifolds offer safety and reliability in a general purpose design. The simple 2- Valve Configuration allows for easy block, bleed and calibration of a static pressure transmitter or gauge. Valves are available with either metal seats or replaceable soft seat inserts. Connections are 1/2 female NPT on all three ports.

Specifications

- Connection : 1/2" Female NPT to 1/2" Female NPT
- One-piece, high strength body construction for safety no welding used.
- Stems feature a non-rotating top with an easily replaceable soft insert.
- Bonnet lock pin prevents accidental valve disassembly.
- 316 stainless steel construction for superior corrosion resistance
- Bonnet-to-body seals are metal-to-metal-no O-Rings used.
- Mounting holes provided for self supporting applications
- 100% pressure tested for shut-off and at all seals
- Manifolds feature at 4:1 safety factor

Materials of Construction

No.	Component	Material Specification
1.	Handle	Stainless Steel
2.	Handle Pin	Stainless Steel
3.	Set Screw	
4.	Packing Nut	Stainless Steel
5.	Upper Gland	
6.	Packing	TFE /Grafoil
7.	Lower Gland	316SS
8.	Bonnet	
9a.	Steam (Needle Tip)	
9b.	Steam (Vee Tip)	Delrin
10.	Soft Seat (Vee Tip)	
11.	Cap Screw	Stainless Steel
12.	Lock Plate	
13.	Manifold	316SS



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

3-VALVE MANIFOLD

3-Valve Manifold

The AVLOK Pipe to Pipe 3-Valve Manifold is a general purpose design for connection system impulse lines and transmitters . This manifold consists of two block Valves and an equalizer valve. Connection are 1/2" Female NPT on 2-1/8" (54mm_ centres for safety, an bonnet lock pin is standard.

Specifications

- Connection : 1/2" Female NPT to 1/2" Female NPT
- One-piece, high strength body construction for safety no welding used.
- 316 stainless steel construction for superior corrosion resistance
- Bonnet lock pin prevents accidental valve disassembly.
- 2-1/8" (54mm) Port centerline dimension for proper alignment.
- 100% pressure tested for shut-off and at all seals
- Manifolds feature at 4:1 safety factor

Materials of Construction



No.	Component	Material Specification
1.	Handle	Stainless Steel
2.	Handle Pin	Stainless Steel
3.	Set Screw	
4.	Lock Nut	Stainless Steel
5.	Packing Bolt	316SS
6.	Packing Support	Reinforced TFE
7.	Packing	TFE /Grafol
8.	Bonnet	316SS
9a.	Steam (Needle Tip)	
9b.	Steam (Plug Tip)	
10.	Seat (Plug Tip)	Delrin
11.	Lock Plate	Stainless Steel
12.	Cap Screw	
13.	Manifold Body	316SS



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

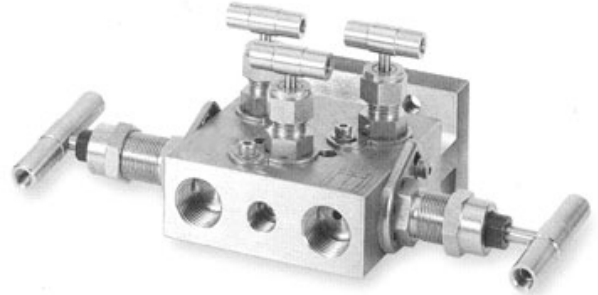
5-VALVE MANIFOLD

5-Valve Manifold

5-Valve Manifold offer two mainline block valves and a double block and bleed valve for the equalizer line. The manifold is primarily intended for gas service and is used to connect differential pressure transmitters to system flow meters. Connections are 1/2" Female NPT on 2-1/8" (54mm) centres Standard feature include two 1/4" NPT static pressure connections on the instrument side and one 1/4" NPT vent connection from the bleed valve.

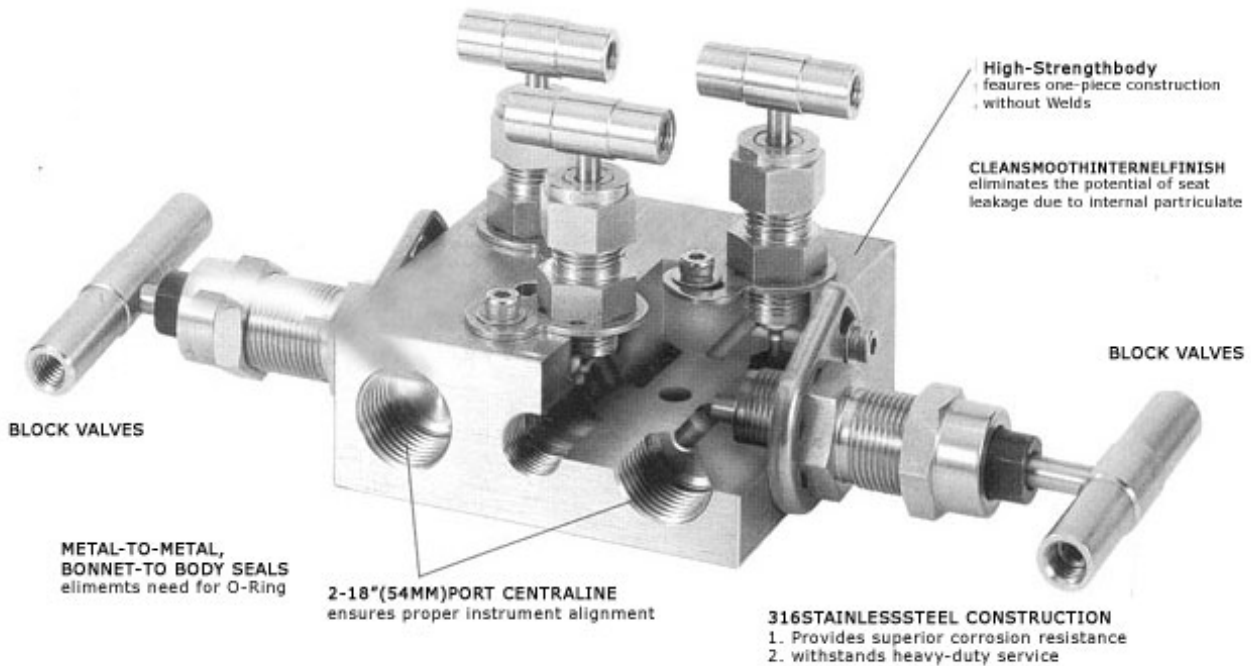
Specifications

- Connection : 1/2" Female NPT to 1/2" Female NPT
- One-piece, high strength body construction for safety no welding used.
- Bonnet lock pin prevents accidental valve disassembly.
- 2-1/8" (54mm) Port centerline dimension for proper alignment.
- 100% pressure tested for shut-off and at all seals
- 316 stainless steel construction for superior corrosion resistance
- Bonnet-to-body seals are metal-to metal. No O-Rings are used.
- Manifolds feature a 4:1 safety factor.



Manifold Bodies

Equalizer & Bleed Valves



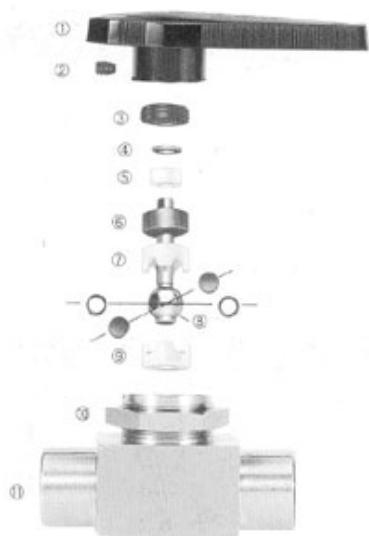
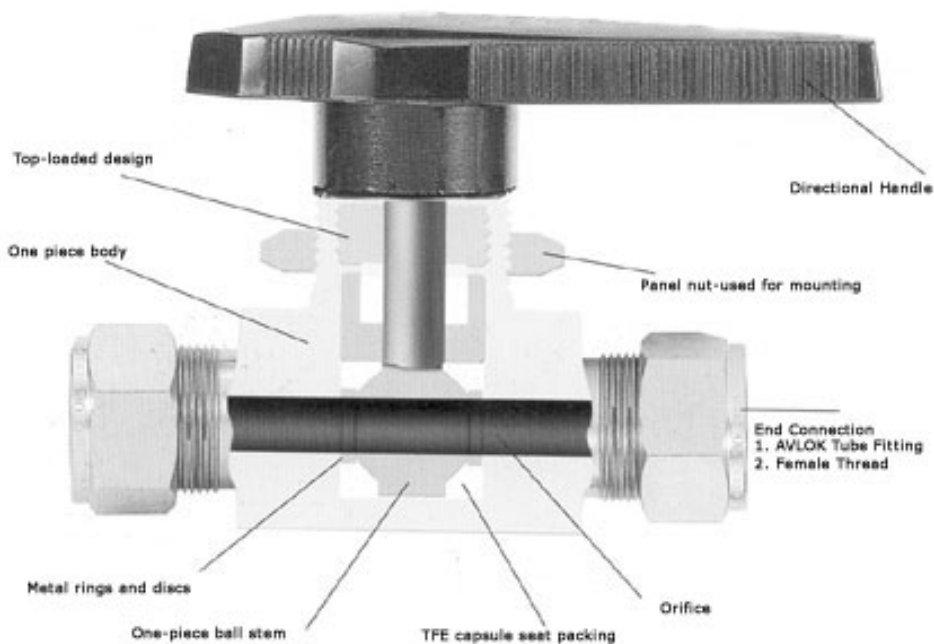
All dimensions are for reference only, and are subject to change without prior notice.
Sizes and types other than those featured above are available on request.

BALL VALVES

SPECIFICATION



1. CONNECTION : AVLOK TUBE FITTING FEMALE THREAD
2. OPERATION TEMPERATURE : -10°C ~ +65°C (50°F ~ 150°F)
3. MAX OPERATION PRESSURE : ASTM A182 F316 : 3000 PSIG (206 BAR)
4. SIZE RANGE 1/8" UPTO 1"
5. AVAILABLE IN S.S. AND BRASS



No.	Description	SS316
1.	Handle	Nylon
2.	Set Screw	Steel
3.	Packing Bolt	316SS
4.	Upper Gland	316SS
5.	Bushing	TFE
6.	Lower Gland	316SS
7.	Upper Packing	TFE
8.	Ball Stem	316SS
9.	Side Disk	316SS
10.	Lower Packing	TFE
11.	Panel Nut	304SS
12.	Body	316SS

Lubrication: Silicon base lubricant



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

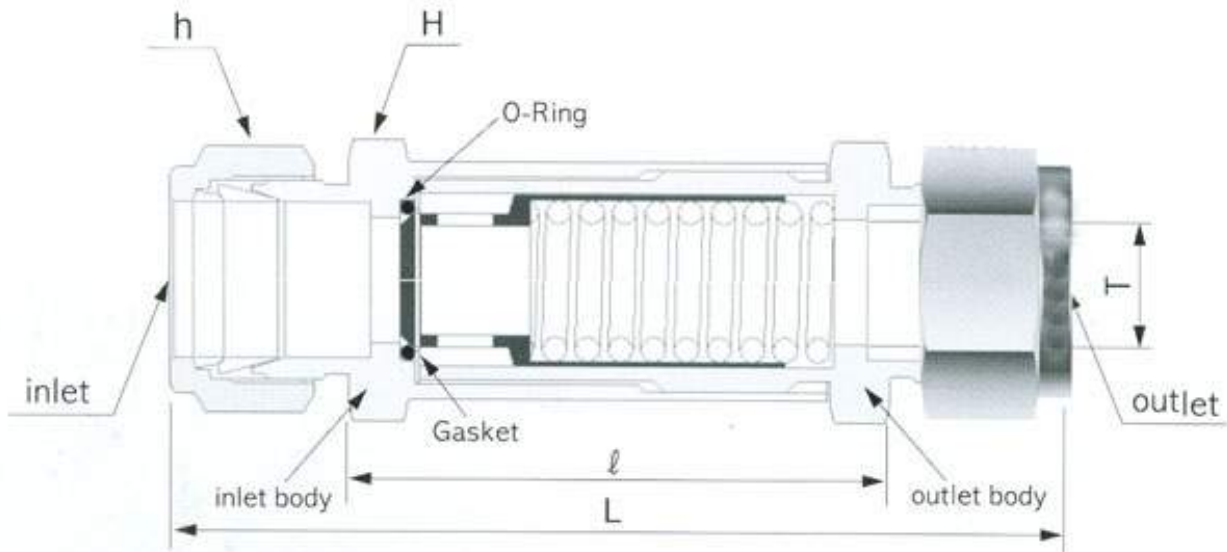
CHECK VALVES

AVLOK CHECK / NON-RETURN VALVES



FEATURES:

- Available in SS316 and Brass
- Working pressure upto 3000 PSIG.
- Temperature rating -20°C to 190°C with viton seal.
- Cracking pressure 1, 10, 25 PSIG available.
- Available in AVLOK, male/female (BSP/NPT Threads)
- Sizes range 1/8" upto 1".



Material of Construction:

Body	-	SS316/Brass
O-Ring	-	Viton
Gasket	-	SS316
Popet	-	SS316
Spring	-	SS316



All dimensions are for reference only, and are subject to change without prior notice.
 Sizes and types other than those featured above are available on request.

PRESSURE GAUGES

We are reputed names for manufacturing wide variety of pressure gauge such as glycerin-filled pressure gauge, diaphragm sealed pressure gauge and electric contact gauges. The entire range of pressure gauge is designed to withstand the hazardous effects of aggressive, abrasive, heterogeneous, corrosive, highly viscous and crystallizing gas & liquid. Our seamlessly constructed gauges make or break an electronic control cycle as per the position of the instrument's pointer.

Glycerin Filled Pressure Gauge:

We are the renowned manufacturer and exporter of qualitative range of glycerin-filled pressure gauge. Widely demanded, these pressure gauge are ideal for dampening the effect of pulsation and vibration. The gauge has a stainless steel case which is filled with glycerin to offer protection against harsh environments. It also enhances the integrity as well as reliability of measuring system for long periods under extreme operating condition. The gauge find application in :

- * Marine engines
- * Pumps
- * Air Compressor
- * Hydraulic Presses
- * Industrial Power Plants
- * Pipelines and Transmission Stations

Standard features of the product are as follows:

- * Ranges: Pressure up to 1400kg/cm, Vacuum Compound Ranges
- * Size: 63mm, 100mm & 150mm
- * Accuracy: +2% / + 1% of full scale
- * Case & Bazel(IP-65): S.S. 304 Crimp type, Snap Action Bayonet Type
- * Wetted Parts: Stainless steel
- * Mounting: Direct with bottom entry, direct with back entry Flush panel with back entry (Three Panel, Bracket) Surface with bottom entry.



All dimensions are for reference only, and are subject to change without prior notice.
Sizes and types other than those featured above are available on request.