

Armstrong Distribution Manifolds for Air Handling Systems

(physical data, dimensions and capacities)



Figure 51-1. Steam Distribution Manifold Data

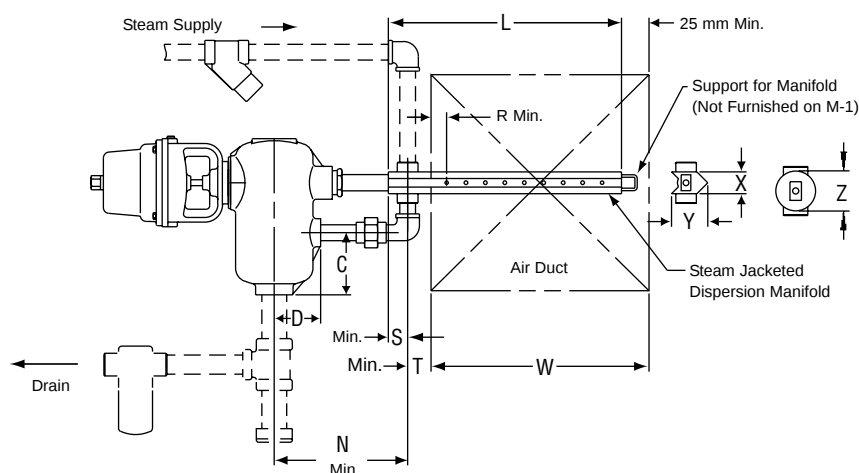


Table 51-1. Cross-Section Dimensions (in mm)

Model	N	R	S	T	X	Y	Z	Steam Supply
91	145	51	25	25	32	48	46	1/2"
1100	217	51	25	25	32	48	46	1/2"
92 & 1200	218	51	25	25	44	67	52	3/4"
93 & 1300	230	51	41	41	54	79	—	1 1/4"
94 & 1400	343	51	41	41	83	108	—	2"

Table 51-2. Manifold Lengths and Duct Widths with which they may be used

91 thru 94 Size and 1000 Manifold Model No.		M-1	M-1,5	M-2	M-3	M-4	M-5	M-6	M-7	M-8	M-9	M-10	M-11	M-12
L - Length (Meters)		0,30	0,45	0,61	0,91	1,22	1,52	1,83	2,13	2,44	2,74	3,05	3,35	3,66
W - Duct Width	(Minimum)	0,20	0,38	0,53	0,79	1,09	1,36	1,66	1,97	2,27	2,58	2,88	3,18	3,49
	(Maximum)	0,36	0,51	0,76	1,07	1,32	1,63	1,93	2,24	2,54	2,84	3,15	3,45	3,76
Approximate Shipping Weight (in kg)	91 Size	1,4	1,8	2,3	2,7	3,6	4,5	5,4	6,3	6,8	7,7	8,6	9,5	10,4
	92 Size and 1200	1,8	2,3	2,7	4,0	5,0	5,9	7,2	8,2	9,5	9,8	11,3	12,7	13,6
	93 Size and 1300	2,7	3,6	4,5	5,9	7,7	9,5	10,9	13,1	14,5	16,8	18,6	19,5	20,9
	94 Size and 1400	Consult Factory				10,9	13,6	15,4	18,1	20,4	23,1	24,9	27,2	29,0

Note: Insulated manifolds are available. Consult factory.

Table 51-3. Number of Manifolds to be Stacked for Duct Heights Exceeding 900 mm

Duct Height in mm	No. of Manifolds
900 - 1 500	2
1 500 - 2 000	3
2 000 - 2 500	4
2 500 - Up	5 or more

If you have specific vapor trail considerations, please contact the Armstrong HVAC Application Engineering Department.

Table 51-4. Multiple Manifold Pipe Sizes and Adapter Numbers

Humidifier Size	Manifold Pipe Adapter No.	Pipe Connection Size
91	A-4967-B	1/2"
92	A-4967	3/4"
93	A-4967-L	1**
94	A-5002	2"
1100	A-4967-5	1/2"
1200	A-4967-P	3/4"
1300	A-4967-R	1**
1400	A-5002-C	2"

* Manifold tube is 1". Jacket connections are 1 1/4".

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.