



STEAM/AIR CAPACITIES—TYPES 301

To correct capacities for superheat or temperature other than 60°F, consult factory ASME Standard-N.B. Certified

Orifice	J			K			L			M			N			P			Q			R		
Area	1.287 Sq. In.			1.838 Sq. In.			2.853 Sq. In.			3.60 Sq. In.			4.34 Sq. In.			6.38 Sq. In.			11.05 Sq. In.			16.0 Sq. In.		
Set Press. PSIG	Lbs./Hr. Steam 3% Acc.	Lbs./Hr. Steam 10% Acc.	SCFM Air 10% Acc.	Lbs./Hr. Steam 3% Acc.	Lbs./Hr. Steam 10% Acc.	SCFM Air 10% Acc.	Lbs./Hr. Steam 3% Acc.	Lbs./Hr. Steam 10% Acc.	SCFM Air 10% Acc.	Lbs./Hr. Steam 3% Acc.	Lbs./Hr. Steam 10% Acc.	SCFM Air 10% Acc.	Lbs./Hr. Steam 3% Acc.	Lbs./Hr. Steam 10% Acc.	SCFM Air 10% Acc.	Lbs./Hr. Steam 3% Acc.	Lbs./Hr. Steam 10% Acc.	SCFM Air 10% Acc.	Lbs./Hr. Steam 3% Acc.	Lbs./Hr. Steam 10% Acc.	SCFM Air 10% Acc.	Lbs./Hr. Steam 3% Acc.	Lbs./Hr. Steam 10% Acc.	SCFM Air 10% Acc.
10	1453	1691	602	2077	2390	851	3220	3708	1320	4063	4697	1672	4898	5634	2005	7201	8289	2951	12466	14408	5128	17951	20886	7434
15	1752	1996	710	2505	2821	1004	3883	4378	1558	4900	5545	1974	5908	6651	2367	8684	9786	3483	15034	17008	6054	21648	24656	8776
20	2051	2301	819	2932	3253	1158	4547	5047	1796	5737	6393	2276	6917	7668	2729	10168	11282	4016	17602	19609	6960	25346	28426	10118
25	2350	2607	928	3360	3684	1311	5210	5716	2035	6574	7241	2577	7926	8685	3091	11651	12778	454B	20171	22209	7905	29044	32196	11460
30	2650	2912	1036	3788	4116	1465	5874	6386	2273	7411	8089	2879	8935	9702	3453	13135	14274	5081	22739	24810	8831	32742	35966	12802
35	2949	3247	1156	4216	4590	1634	6537	7122	2535	8248	9022	3211	9944	10821	3852	14618	15920	5667	25307	27671	9849	36440	40113	14278
40	3248	3583	1275	4644	5065	1803	7200	7858	2797	9085	9955	3543	10953	11940	4250	16101	17566	6253	27875	30532	10867	40138	44260	15754
45	3547	3919	1395	5071	5539	1972	7864	8594	3059	9922	10887	3875	11962	13058	4648	17585	19212	6838	30443	33392	11886	43835	48407	17230
50	3847	4255	1514	5499	6014	2141	8527	9331	3321	10760	11820	4207	12971	14177	5046	19068	20858	7424	33011	36253	12904	47533	52554	18706
60	4445	4926	1753	6355	6963	2478	9854	10803	3845	12434	13685	4871	14989	16414	5843	22035	24150	8596	38147	41974	14940	54929	60848	21658
70	5043	5598	1992	7211	7912	2816	11180	12276	4369	14108	15551	5535	17008	18652	6639	25002	27442	9768	43283	47696	16977	62324	69142	24611
75	5343	5933	2112	7638	8387	2985	11844	13012	4632	14945	16484	5867	18017	19771	7037	26485	29088	10353	45851	50556	17995	66022	73289	26087
80	5642	6269	2231	8066	8861	3154	12507	13748	4894	15782	17416	6199	19026	20889	7435	27969	30733	10939	48419	53417	19013	69720	77436	27563
90	6240	6941	2470	8922	9810	3492	13834	15221	5418	17456	19282	6863	21044	23127	8232	30936	34025	12111	53555	59139	21050	77116	85730	30515
100	6839	7612	2709	9777	10759	3830	15160	16694	5942	19130	21147	7527	23062	25364	9028	33902	37317	13283	58691	64860	23086	84511	94025	33467
110	7437	8284	2948	10633	11708	4168	16487	18166	6466	20804	23012	8191	25080	27602	9825	36869	40609	14454	63828	70581	25123	91907	102319	36419
120	8036	8955	3187	11489	12658	4505	17814	19639	6990	22478	24878	8855	27098	29839	10621	39836	43901	15626	68964	76303	27159	99303	110613	39372
125	8335	9291	3307	11917	13132	4674	18477	20375	7252	23315	25811	9187	28108	30958	11019	41319	45547	16212	71532	79164	28178	103001	114760	40848
130	8634	9626	3426	12344	13607	4843	19140	21111	7514	24152	26743	9519	29117	32076	11417	42803	47192	16798	74100	82024	29196	106698	118907	42324
140	9233	10298	3665	13200	14556	5181	20467	22585	8039	25826	28609	10183	31135	34314	12214	45770	50484	17969	79236	87746	31232	114094	127201	45276
150	9831	10969	3904	14056	15505	5519	21794	24056	8563	27500	30474	10847	33153	36551	13010	48736	53776	19141	84372	93467	33269	121490	135495	48228
160	10430	11641	4143	14911	16454	5857	23121	25529	9087	29174	32340	11511	35171	38789	13806	51703	57068	20313	89508	99189	35305	128885	143789	51180
170	11028	12312	4382	15767	17403	6194	24447	27002	9611	30848	34205	12175	37189	41026	14603	54670	60360	21485	94644	104910	37342	136281	152083	54133
175	11328	12648	4502	16195	17878	6363	25111	27738	9873	31685	35138	12507	38198	42145	15001	56153	62006	22070	97212	107771	38360	139979	156230	55609
180	11627	12984	4621	16623	18352	6532	25774	28474	10135	32522	36070	12839	39208	43263	15399	57637	63651	22656	99780	110631	39378	143677	160377	57085
190	12225	13655	4860	17478	19301	6870	27101	29947	10659	34196	37936	13503	41226	45501	16196	60604	66943	23828	104917	116353	41415	151072	168671	60037
200	12824	14327	5099	18334	20250	7208	28427	31419	11183	35870	39801	14167	43244	47738	16992	63570	70235	25000	110053	122074	43451	158468	176965	62989
210	13422	14998	5338	19189	21199	7546	29754	32892	11708	37545	41667	14831	45262	49976	17788	66537	73527	26171	115189	127796	45488	165864	185259	65941
220	14021	15670	5578	20045	22149	7884	31081	34364	12232	39219	43532	15495	47280	52213	18585	69504	76819	27343	120325	133517	47524	173259	193553	69894
225	14320	16005	5697	20473	22623	8052	31744	35101	12494	40056	44465	15827	48289	53332	18983	70988	78465	27929	122893	136378	48543	176957	197700	70370
230	14619	16341	5817	20901	23098	8221	32407	35837	12756	40893	45398	16159	49298	54450	19381	72471	80110	28515	125461	139238	49561	180655	201847	71846
240	15218	17013	6056	21756	24047	8559	33734	37310	13280	42567	47263	16823	51317	56688	20178	75438	83402	29686	130597	144960	51597	188050	210141	74798
250	15816	17684	6295	22612	24996	8897	35061	38782	13804	44241	49128	17487	53335	58925	20974	78405	86694	30858	135733	150681	53634	195446	218435	77750

DIMENSIONS—WEIGHTS (approximate) • TYPE 301

Inlet ¹	Orifice	Outlet ²	A	B	C	Shipping Weight
1½" F.P.T.	J	2½" F.P.T.	18¼"	3½"	4"	28
1½" FLG.	J	2½" F.P.T.	18¼"	3½"	4"	30
2" FLG.	J	2½" F.P.T.	18¼"	3½"	4"	33
2½" FLG.	J	2½" F.P.T.	18¼"	3½"	4"	36
2" F.P.T.	K	3" F.P.T.	19"	4"	4"	46
2" FLG.	K	3" F.P.T.	19"	4"	4"	51
2½" FLG.	K	3" F.P.T.	19"	4"	4"	54
3" FLG.	K	3" F.P.T.	19"	4"	4"	58
2½" F.P.T.	L	4" F.P.T.	22"	4"	5"	70
2½" FLG.	L	4" F.P.T.	22"	4"	5"	76
3" FLG.	L	4" F.P.T.	22"	4"	5"	79
4" FLG.	L	4" F.P.T.	22"	4"	5"	81
3" F.P.T.	M	4" F.P.T.	22¼"	5"	5"	90
3" FLG.	M	4" F.P.T.	22¼"	5"	5"	96
4" FLG.	M	4" F.P.T.	22¼"	5"	5"	100
4" FLG.	N	6" FLG.	23"	7"	6"	150
4" FLG.	P	6" FLG.	26"	7"	6"	176
6" FLG.	Q	8" FLG.	36"	9"	9"	325
6" FLG.	R	8" FLG.	42"	10"	10"	375

¹Inlet Flanges are ANSI B16.1-250#.

²Outlet Flanges are ANSI B16.1-125#.

For Cast Steel dimensional data, consult factory.