

Continuous Boiler Blowdown Orifice Meter Flow Chart

Orifice Plate Number 1-A *Flow in lbs. of Water Per Hour*

Pressure - PSIG	Model OM250-1A									Model OM650-1A							
	50	75	100	125	150	175	200	225	250	300	350	400	450	500	550	600	650
Orifice #1 - Dia. - .040"	75	94	106	118	130	139	149	159	167	183	198	212	225	236	248	259	270
Orifice #2 - Dia. - .0468"	103	130	146	162	179	191	205	218	230	251	272	291	308	324	342	356	368
Orifice #3 - Dia. - .0555"	143	181	204	224	250	267	286	304	321	351	380	407	432	454	473	496	515
Orifice #4 - Dia. - .0625"	183	232	260	288	318	340	366	389	409	448	484	519	549	578	608	633	656
Orifice #5 - Dia. - .070"	228	289	326	361	398	426	457	486	512	560	606	649	687	725	760	797	830
Orifice #6 - Dia. - .0785"	287	364	409	454	501	535	576	610	645	704	763	816	865	911	956	995	1030
Orifice #7 - Dia. - .086"	344	438	490	545	600	642	690	733	772	845	916	978	1038	1091	1148	1194	1248
Orifice #8 - Dia. - .0935"	406	520	579	642	710	758	815	866	914	998	1080	1155	1223	1290	1356	1411	1465
Orifice #9 - Dia. - .0995"	462	589	657	730	806	861	926	985	1039	1132	1229	1312	1390	1465	1540	1605	1667
Orifice #10 - Dia. - .1065"	530	676	755	837	925	987	1061	1129	1186	1300	1409	1507	1595	1680	1762	1840	1920
Orifice #11 - Dia. - .113"	595	756	847	941	1039	1110	1192	1269	1338	1460	1581	1691	1791	1889	1985	2066	2145
Orifice #12 - Dia. - .120"	670	854	955	1060	1170	1250	1345	1430	1503	1643	1785	1903	2015	2128	2232	2325	2420
Orifice #13 - Dia. - .1285"	771	977	1097	1218	1345	1437	1545	1640	1730	1890	2048	2190	2320	2443	2570	2676	2780
Orifice #14 - Dia. - .136"	864	1089	1230	1364	1508	1610	1730	1838	1936	2119	2295	2455	2600	2740	2872	2990	3105
Orifice #15 - Dia. - .144"	966	1229	1378	1529	1689	1800	1936	2060	2170	2372	2570	2742	2908	3055	3218	3355	3490
Orifice #16 - Dia. - .152"	1079	1370	1532	1702	1880	2008	2160	2295	2420	2640	2862	3060	3243	3420	3590	3741	3890
Orifice #17 - Dia. - .161"	1210	1538	1722	1911	2115	2256	2425	2580	2720	2970	3220	3440	3648	3840	4040	4205	4365

Orifice Plate Number 2-A *Flow in lbs. of Water Per Hour*

Pressure - PSIG	Model OM250-2A									Model OM650-2A							
	50	75	100	125	150	175	200	225	250	300	350	400	450	500	550	600	650
Orifice #1 - Dia. - .0785"	287	364	409	454	501	535	576	610	645	704	763	816	865	911	956	995	1030
Orifice #2 - Dia. - .086"	344	438	490	545	600	642	690	733	772	845	916	978	1038	1091	1148	1194	1248
Orifice #3 - Dia. - .0935"	406	520	579	642	710	758	815	866	914	998	1080	1155	1223	1290	1356	1411	1465
Orifice #4 - Dia. - .0995"	462	589	657	730	806	861	926	985	1039	1132	1229	1312	1390	1465	1540	1605	1667
Orifice #5 - Dia. - .1065"	530	676	755	837	925	987	1061	1129	1186	1300	1409	1507	1595	1680	1762	1840	1920
Orifice #6 - Dia. - .113"	595	756	847	941	1039	1110	1192	1269	1338	1460	1581	1691	1791	1889	1985	2066	2145
Orifice #7 - Dia. - .120"	670	854	955	1060	1170	1250	1345	1430	1503	1643	1785	1903	2015	2128	2232	2325	2420
Orifice #8 - Dia. - .1285"	771	977	1097	1218	1345	1437	1545	1640	1730	1890	2048	2190	2320	2443	2570	2676	2780
Orifice #9 - Dia. - .136"	864	1089	1230	1364	1508	1610	1730	1838	1936	2119	2295	2455	2600	2740	2872	2990	3105
Orifice #10 - Dia. - .144"	966	1229	1378	1529	1689	1800	1936	2060	2170	2372	2570	2742	2908	3055	3218	3355	3490
Orifice #11 - Dia. - .152"	1079	1370	1532	1702	1880	2008	2160	2295	2420	2640	2862	3060	3243	3420	3590	3741	3890
Orifice #12 - Dia. - .161"	1210	1538	1722	1911	2115	2256	2425	2580	2720	2970	3220	3440	3648	3840	4040	4205	4365
Orifice #13 - Dia. - .1718"	1378	1747	1960	2175	2400	2563	2760	2930	3090	3370	3660	3910	4149	4365	4590	4780	4960
Orifice #14 - Dia. - .182"	1548	1958	2200	2444	2700	2880	3100	3295	3470	3794	4110	4385	4655	4900	5150	5361	5560
Orifice #15 - Dia. - .1935"	1749	2215	2490	2761	3050	3260	3510	3720	3923	4290	4650	4960	5260	5550	5820	6060	6290
Orifice #16 - Dia. - .2055"	1970	2490	2800	3110	3430	3665	3942	4190	4420	4830	5230	5595	5925	6245	6550	6835	7110
Orifice #17 - Dia. - .2187"	2238	2835	3180	3530	3900	4160	4480	4760	5020	5485	5950	6360	6740	7090	7450	7760	8060

Continuous Boiler Blowdown Orifice Meter Flow Chart

Orifice Plate Number 3-A *Flow in lbs. of Water Per Hour*

Pressure - PSIG	Model OM250-3A									Model OM650-3A							
	50	75	100	125	150	175	200	225	250	300	350	400	450	500	550	600	650
Orifice #1 - Dia. - .113"	595	756	847	941	1039	1110	1192	1269	1338	1460	1581	1691	1791	1889	1985	2066	2145
Orifice #2 - Dia. - .120"	670	854	955	1060	1170	1250	1345	1430	1503	1643	1785	1903	2015	2128	2232	2325	2420
Orifice #3 - Dia. - .1285"	771	977	1097	1218	1345	1437	1545	1640	1730	1890	2048	2190	2320	2443	2570	2676	2780
Orifice #4 - Dia. - .136"	864	1089	1230	1364	1508	1610	1730	1838	1936	2119	2295	2455	2600	2740	2872	2990	3105
Orifice #5 - Dia. - .144"	966	1229	1378	1529	1689	1800	1936	2060	2170	2372	2570	2742	2908	3055	3218	3355	3490
Orifice #6 - Dia. - .152"	1079	1370	1532	1702	1880	2008	2160	2295	2420	2640	2862	3060	3243	3420	3590	3741	3890
Orifice #7 - Dia. - .161"	1210	1538	1722	1911	2115	2256	2425	2580	2720	2970	3220	3440	3648	3840	4040	4205	4365
Orifice #8 - Dia. - .1718"	1378	1747	1960	2175	2400	2563	2760	2930	3090	3370	3660	3910	4149	4365	4590	4780	4960
Orifice #9 - Dia. - .182"	1548	1958	2200	2444	2700	2880	3100	3295	3470	3794	4110	4385	4655	4900	5150	5361	5560
Orifice #10 - Dia. - .1935"	1749	2215	2490	2761	3050	3260	3510	3720	3923	4290	4650	4960	5260	5550	5820	6060	6290
Orifice #11 - Dia. - .2055"	1970	2490	2800	3110	3430	3665	3942	4190	4420	4830	5230	5595	5925	6245	6550	6835	7110
Orifice #12 - Dia. - .2187"	2238	2835	3180	3530	3900	4160	4480	4760	5020	5485	5950	6360	6740	7090	7450	7760	8060
Orifice #13 - Dia. - .234"	2543	3215	3620	4020	4440	4740	5100	5420	5710	6240	6765	7230	7660	8060	8480	8840	9190
Orifice #14 - Dia. - .246"	2825	3580	4025	4460	4942	5260	5660	6020	6345	6940	7518	8040	8510	8960	9415	9830	10230
Orifice #15 - Dia. - .261"	3180	4025	4515	5015	5530	5905	6355	6760	7119	7775	8445	9010	9555	10060	10560	11105	11585
Orifice #16 - Dia. - .277"	3579	4528	5090	5650	6240	6660	7160	7620	8020	8770	9510	10180	10770	11320	11900	12400	12890
Orifice #17 - Dia. - .295"	4060	5130	5760	6405	7085	7555	8125	8635	9100	9940	10790	11510	12205	12850	13500	14070	14620

Orifice Plate Number 4-A *Flow in lbs. of Water Per Hour*

Pressure - PSIG	Model OM250-4A									Model OM650-4A							
	50	75	100	125	150	175	200	225	250	300	350	400	450	500	550	600	650
Orifice #1 - Dia. - .152"	1079	1370	1532	1702	1880	2008	2160	2295	2420	2640	2862	3060	3243	3420	3590	3741	3890
Orifice #2 - Dia. - .161"	1210	1538	1722	1911	2115	2256	2425	2580	2720	2970	3220	3440	3648	3840	4040	4205	4365
Orifice #3 - Dia. - .1718"	1378	1747	1960	2175	2400	2563	2760	2930	3090	3370	3660	3910	4149	4365	4590	4780	4960
Orifice #4 - Dia. - .182"	1548	1958	2200	2444	2700	2880	3100	3295	3470	3794	4110	4385	4655	4900	5150	5361	5560
Orifice #5 - Dia. - .1935"	1749	2215	2490	2761	3050	3260	3510	3720	3923	4290	4650	4960	5260	5550	5820	6060	6290
Orifice #6 - Dia. - .2055"	1970	2490	2800	3110	3430	3665	3942	4190	4420	4830	5230	5595	5925	6245	6550	6835	7110
Orifice #7 - Dia. - .2187"	2238	2835	3180	3530	3900	4160	4480	4760	5020	5485	5950	6360	6740	7090	7450	7760	8060
Orifice #8 - Dia. - .234"	2543	3215	3620	4020	4440	4740	5100	5420	5710	6240	6765	7230	7660	8060	8480	8840	9190
Orifice #9 - Dia. - .246"	2825	3580	4025	4460	4942	5260	5660	6020	6345	6940	7518	8040	8510	8960	9415	9830	10230
Orifice #10 - Dia. - .261"	3180	4025	4515	5015	5530	5905	6355	6760	7119	7775	8445	9010	9555	10060	10560	11105	11585
Orifice #11 - Dia. - .277"	3579	4528	5090	5650	6240	6660	7160	7620	8020	8770	9510	10180	10770	11320	11900	12400	12890
Orifice #12 - Dia. - .295"	4060	5130	5760	6405	7085	7555	8125	8635	9100	9940	10790	11510	12205	12850	13500	14070	14620
Orifice #13 - Dia. - .3125"	4560	5775	6500	7210	7960	8530	9150	9730	10240	11200	12150	12980	13750	14490	15200	15850	16470
Orifice #14 - Dia. - .3281"	5030	6350	7150	7940	8760	9355	10070	10700	11280	12305	13340	14270	15105	15910	16710	17410	18060
Orifice #15 - Dia. - .3437"	5499	6945	7820	8690	9590	10240	11010	11710	12315	13490	14600	15600	16560	17410	18300	19100	19860
Orifice #16 - Dia. - .358"	5985	7570	8500	9450	10420	11120	11995	12720	13410	14685	15900	17000	18010	18980	19915	20755	21550
Orifice #17 - Dia. - .375"	6550	8295	9320	10350	11410	12200	13110	13950	14700	16050	17400	18600	19705	20760	21800	22720	23590

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