



OIL BURNER NOZZLES

NOZZLE SPECIFICATIONS

Nozzles are provided with ribbed sintered bronze filters on sizes up through 1.35 GPH. Larger sizes are equipped with 120 mesh strainers. Large Capacity (LC) nozzles are supplied as "tips only". All nozzle components are fabricated entirely of a special high chrome, heat resistant grade of stainless steel. Sintered filters are made of bronze and are nominally rated for filtration to 40 microns. Mesh screens are of Type 304 stainless steel on brass support pieces.



Strainers & Filters

Nozzle strainers are available in all configurations and are supplied standard on flow rates of 1.50 and above. Bodies are brass, although stainless steel bodies are available on special order. Sintered bronze filters rated to 40 microns are supplied on all nozzles of 1.35 & below. All strainers and filters are made with a 3/8"-40 UNS male thread to match the nozzle.



FLOW SPECIFICATIONS @ 60 deg. FULL CONE

Approximate Capacities at Various Pressures						
Rated Flow at 100 P.S.I. G.P.H.	U.S. Gallons per Hour					
	Pressure P.S.I.					
	125	145	175	200	250	300
0.40	0.45	0.48	0.53	0.57	0.63	0.69
0.45	0.50	0.54	0.60	0.64	0.71	0.78
0.50	0.56	0.60	0.66	0.71	0.79	0.87
0.55	0.61	0.66	0.73	0.78	0.87	0.95
0.60	0.67	0.72	0.79	0.85	0.95	1.04
0.65	0.73	0.78	0.86	0.92	1.03	1.13
0.75	0.84	0.90	0.99	1.06	1.19	1.30
0.85	0.95	1.02	1.12	1.20	1.34	1.47
0.90	1.01	1.08	1.19	1.27	1.42	1.56
1.00	1.12	1.20	1.32	1.41	1.58	1.73
1.10	1.23	1.32	1.46	1.56	1.74	1.91
1.20	1.34	1.45	1.59	1.70	1.90	2.08

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Rated Flow at 100 P.S.I. G.P.H.	U.S. Gallons per Hour					
	Pressure P.S.I.					
	125	145	175	200	250	300
1.25	1.40	1.51	1.65	1.77	1.98	2.17
1.35	1.51	1.63	1.79	1.91	2.13	2.34
1.50	1.68	1.81	1.98	2.12	2.37	2.60
1.65	1.84	1.99	2.18	2.33	2.61	2.86
1.75	1.96	2.11	2.32	2.47	2.77	3.03
2.00	2.24	2.41	2.65	2.83	3.16	3.46
2.25	2.52	2.71	2.98	3.18	3.56	3.90
2.50	2.80	3.01	3.31	3.54	3.95	4.33
2.75	3.07	3.31	3.64	3.89	4.35	4.76
3.00	3.35	3.61	3.97	4.24	4.74	5.20
3.50	3.91	4.21	4.63	4.95	5.53	6.06
4.00	4.47	4.82	5.29	5.66	6.32	6.93
4.50	5.03	5.42	5.95	6.36	7.12	7.79
5.00	5.59	6.02	6.61	7.07	7.91	8.66
5.50	6.15	6.62	7.28	7.78	8.70	9.53
6.00	6.71	7.23	7.94	8.49	9.49	10.4
6.50	7.27	7.83	8.60	9.19	10.3	11.3
7.00	7.83	8.43	9.26	9.90	11.1	12.1
7.50	8.39	9.03	9.92	10.6	11.9	13.0
8.00	8.94	9.63	10.6	11.3	12.6	13.9
9.00	10.1	10.8	11.9	12.7	14.2	15.6
10.00	11.2	12.0	13.2	14.1	15.8	17.3
11.00	12.3	13.2	14.6	15.6	17.4	19.1
12.00	13.4	14.5	15.9	17.0	19.0	20.8
13.00	14.5	15.7	17.2	18.4	20.6	22.5
14.00	15.7	16.9	18.5	19.8	22.1	24.2
15.00	16.8	18.1	19.8	21.2	23.7	26.0
16.00	17.9	19.3	21.2	22.6	25.3	27.7
17.00	19.0	20.5	22.5	24.0	26.9	29.4
18.00	20.1	21.7	23.8	25.5	28.5	31.2
20.00	22.4	24.1	26.5	28.3	31.6	34.6
22.00	24.6	26.5	29.1	31.1	34.8	38.1
24.00	26.8	28.9	31.7	33.9	37.9	41.6
26.00	29.1	31.3	34.4	36.8	41.1	45.0
28.00	31.3	33.7	37.0	39.6	44.3	48.5

Oil Standards: 3.4 cst. viscosity, .84 density @ 20 C per EN 293