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Air Flow Through Nozzles Table

Gauge pressure before nozzle in bar	Diameter of Nozzle (mm)										
	0.5	1	2	3	4	5	7	10	15	20	25
Discharge of air in litres per second at 1 bar abs. and 15°C											
0.5	0.054	0.217	0.869	1.956	3.477	5.433	10.65	21.73	48.90	86.83	135.8
1.0	0.076	0.303	1.213	2.729	4.851	7.579	14.86	30.32	68.21	121.3	189.5
2.0	0.114	0.455	1.819	4.093	7.276	11.37	22.28	45.48	102.3	181.9	284.2
3.0	0.152	0.606	2.425	5.457	9.702	15.16	29.71	60.64	136.4	242.5	379.0
4.0	0.189	0.758	3.032	6.821	12.13	18.95	37.14	75.79	170.5	303.2	475.5
5.0	0.227	0.910	3.638	8.186	14.55	22.73	44.57	90.59	204.6	363.8	568.5
6.0	0.265	1.061	4.244	9.550	19.98	26.53	51.99	106.1	238.8	424.4	663.2
7.0	0.303	1.213	4.851	10.91	20.40	30.32	59.42	121.3	272.9	485.1	757.9
8.0	0.341	1.364	5.457	12.28	21.83	34.11	66.85	136.4	307.0	545.7	852.7
9.0	0.379	1.516	6.063	13.64	24.25	37.90	74.28	151.6	341.1	606.3	947.4
10.0	0.417	1.667	6.670	15.01	26.68	41.69	81.71	166.7	375.2	667.0	1042
12.0	0.493	1.971	7.882	17.74	31.53	49.27	96.56	197.1	443.4	788.2	1232
15	0.606	2.426	9.702	21.83	38.81	60.64	118.8	242.6	545.7	970.2	1516
20	0.796	3.183	12.73	28.65	50.93	79.58	156.0	318.3	716.3	1273	1990