

PB / NR Spigot Selection Sheet

Circular Ductwork / Spigots

Duct Size	Spigot Size	Velocity Per Spigot (m/s)							Spigot Area	Spigot Circumference
		3	2.75	2.5	2.25	2	1.75	1.5		
		Air Flow Rate Per Spigot (l/s)								
mm	mm								m²	mm
75	72	12	11	10	9	8	7	6	0.0041	226
100	97	22	20	18	17	15	13	11	0.0074	305
125	122	35	32	29	26	23	20	18	0.0117	383
150	147	51	47	42	38	34	30	25	0.0170	462
160	157	58	53	48	44	39	34	29	0.0194	493
175	172	70	64	58	52	46	41	35	0.0232	540
180	177	74	68	62	55	49	43	37	0.0246	556
200	197	91	84	76	69	61	53	46	0.0305	619
225	222	116	106	97	87	77	68	58	0.0387	697
250	247	144	132	120	108	96	84	72	0.0479	776
275	272	174	160	145	131	116	102	87	0.0581	855
300	297	208	191	173	156	139	121	104	0.0693	933
315	312	229	210	191	172	153	134	115	0.0765	980
325	322	244	224	204	183	163	143	122	0.0814	1,012
350	347	284	260	237	213	189	166	142	0.0946	1,090
375	372	326	299	272	245	217	190	163	0.1087	1,169
400	397	372	341	310	279	248	217	186	0.1238	1,247
425	422	420	385	350	315	280	245	210	0.1399	1,326
450	447	471	432	392	353	314	275	235	0.1569	1,404
475	472	525	481	438	394	350	306	263	0.1750	1,483
500	497	582	534	485	437	388	340	291	0.1940	1,561

Flat Oval Spigots / Based on Area

Duct Size			Spigot Size			Velocity Per Spigot (m/s)							Spigot Area	Spigot Circumference
						3	2.75	2.5	2.25	2	1.75	1.5		
mm		mm	mm		mm	Air Flow Rate Per Spigot (l/s)							m²	mm
100	x	50	97	x	47	12	11	10	9	8	7	6	0.0041	248
170	x	50	167	x	47	22	20	18	17	15	13	11	0.0074	388
181	x	75	178	x	72	35	32	29	26	23	20	18	0.0117	438
255	x	75	252	x	72	51	47	43	38	34	30	26	0.0170	586
287	x	75	284	x	72	58	53	48	44	39	34	29	0.0193	650
264	x	100	261	x	97	70	64	58	52	47	41	35	0.0233	633
278	x	100	275	x	97	74	68	62	55	49	43	37	0.0247	661
338	x	100	335	x	97	91	84	76	69	61	53	46	0.0305	781
347	x	125	344	x	122	116	107	97	87	78	68	58	0.0388	827
422	x	125	419	x	122	144	132	120	108	96	84	72	0.0479	977
430	x	150	427	x	147	174	160	145	131	116	102	87	0.0581	1,022
506	x	150	503	x	147	208	191	173	156	139	121	104	0.0693	1,174
476	x	175	473	x	172	225	206	188	169	150	131	113	0.0750	1,142
514	x	175	511	x	172	245	224	204	183	163	143	122	0.0815	1,218
526	x	200	523	x	197	284	260	237	213	189	166	142	0.0947	1,271
597	x	200	594	x	197	326	299	272	245	217	190	163	0.1087	1,413
674	x	200	671	x	197	372	341	310	279	248	217	186	0.1239	1,567
681	x	225	678	x	222	420	385	350	315	280	245	210	0.1399	1,609
692	x	250	689	x	247	471	432	393	353	314	275	236	0.1571	1,660
765	x	250	762	x	247	525	482	438	394	350	306	263	0.1751	1,806
775	x	275	772	x	272	582	534	485	437	388	340	291	0.1941	1,855

Flat Oval Spigots / Spigot Circumference

Duct Size			Spigot Size			Velocity Per Spigot (m/s)							Spigot Area	Spigot Circumference
						3	2.75	2.5	2.25	2	1.75	1.5		
mm		mm	mm		mm	Air Flow Rate Per Spigot (l/s)							m²	mm
89	x	50	86	x	47	11	10	9	8	7	6	5	0.0036	226
129	x	50	126	x	47	16	15	14	12	11	10	8	0.0054	306
154	x	75	151	x	72	29	27	24	22	20	17	15	0.0098	384
193	x	75	190	x	72	38	35	31	28	25	22	19	0.0126	462
209	x	75	206	x	72	41	38	34	31	27	24	21	0.0137	494
218	x	100	215	x	97	57	52	47	42	38	33	28	0.0188	541
226	x	100	223	x	97	59	54	49	44	39	34	29	0.0196	557
257	x	100	254	x	97	68	62	57	51	45	40	34	0.0226	619
282	x	125	279	x	122	93	85	77	69	62	54	46	0.0308	697
321	x	125	318	x	122	107	98	89	80	71	62	53	0.0356	775
346	x	150	343	x	147	137	126	114	103	92	80	69	0.0458	854
386	x	150	383	x	147	155	142	129	116	103	90	78	0.0517	934
395	x	175	392	x	172	183	168	153	137	122	107	92	0.0611	980
411	x	175	408	x	172	192	176	160	144	128	112	96	0.0638	1,012
436	x	200	433	x	197	231	212	192	173	154	135	115	0.0770	1,091
475	x	200	472	x	197	254	233	212	191	169	148	127	0.0847	1,169
514	x	200	511	x	197	277	254	231	208	185	162	139	0.0923	1,247
539	x	225	536	x	222	325	298	271	244	217	190	163	0.1084	1,325
564	x	250	561	x	247	376	345	314	282	251	220	188	0.1255	1,404
603	x	250	600	x	247	405	372	338	304	270	236	203	0.1351	1,482
628	x	275	625	x	272	462	424	385	347	308	270	231	0.1541	1,561