

régime non turbulent, calcul non valide sur-estimation des pertes de charge											
zone conseillée : v > 1 m/s : renouvellement air assuré V < 3 m/s : échanges thermiques efficaces											
V > 5 m/s : bruits d'écoulements											
débit (m3/h)		diamètre de la gaine (mm)									
		50		100		150		200		250	
		$\Delta p/L$ (Pa/m)	v (m/s)	$\Delta p/L$ (Pa/m)	v (m/s)	$\Delta p/L$ (Pa/m)	v (m/s)	$\Delta p/L$ (Pa/m)	v (m/s)	$\Delta p/L$ (Pa/m)	v (m/s)
20	6.473	2.82942	0.168	0.70736	0.021	0.31438	0.005	0.17684	0.002	0.11318	
40	25.376	5.65885	0.631	1.41471	0.077	0.62876	0.018	0.35368	0.006	0.22635	
60	56.700	8.48827	1.386	2.12207	0.166	0.94314	0.038	0.53052	0.012	0.33953	
80	100.443	11.31769	2.434	2.82942	0.289	1.25752	0.065	0.70736	0.021	0.45271	
100	156.607	14.14712	3.773	3.53678	0.444	1.57190	0.100	0.88419	0.032	0.56588	
120	225.191	16.97654	5.404	4.24414	0.633	1.88628	0.141	1.06103	0.045	0.67906	
140	306.195	19.80597	7.327	4.95149	0.854	2.20066	0.190	1.23787	0.060	0.79224	
160	399.619	22.63539	9.542	5.65885	1.109	2.51504	0.246	1.41471	0.077	0.90542	
180	505.463	25.46481	12.049	6.36620	1.397	2.82942	0.309	1.59155	0.097	1.01859	
200	623.727	28.29424	14.848	7.07356	1.718	3.14380	0.379	1.76839	0.119	1.13177	
220	754.412	31.12366	17.939	7.78091	2.072	3.45818	0.456	1.94523	0.143	1.24495	
240	897.516	33.95308	21.322	8.48827	2.459	3.77256	0.540	2.12207	0.169	1.35812	
260	1053.041	36.78251	24.996	9.19563	2.879	4.08695	0.631	2.29891	0.197	1.47130	
280	1220.986	39.61193	28.963	9.90298	3.333	4.40133	0.730	2.47575	0.227	1.58448	

300	1401.351	42.44135	33.222	10.61034	3.819	4.71571	0.835	2.65258	0.260	1.69765
320	1594.136	45.27078	37.772	11.31769	4.339	5.03009	0.948	2.82942	0.294	1.81083
340	1799.341	48.10020	42.614	12.02505	4.892	5.34447	1.068	3.00626	0.331	1.92401
360	2016.966	50.92962	47.749	12.73241	5.478	5.65885	1.195	3.18310	0.370	2.03718
380	2247.011	53.75905	53.175	13.43976	6.096	5.97323	1.329	3.35994	0.412	2.15036
400	2489.477	56.58847	58.893	14.14712	6.748	6.28761	1.470	3.53678	0.455	2.26354
420	2744.362	59.41790	64.903	14.85447	7.434	6.60199	1.618	3.71362	0.501	2.37672
440	3011.668	62.24732	71.205	15.56183	8.152	6.91637	1.774	3.89046	0.548	2.48989
460	3291.394	65.07674	77.799	16.26919	8.903	7.23075	1.936	4.06730	0.598	2.60307
480	3583.540	67.90617	84.684	16.97654	9.688	7.54513	2.106	4.24414	0.650	2.71625
500	3888.106	70.73559	91.862	17.68390	10.505	7.85951	2.282	4.42097	0.704	2.82942
520	4205.092	73.56501	99.332	18.39125	11.356	8.17389	2.466	4.59781	0.761	2.94260
540	4534.498	76.39444	107.093	19.09861	12.239	8.48827	2.657	4.77465	0.819	3.05578
560	4876.325	79.22386	115.147	19.80597	13.156	8.80265	2.855	4.95149	0.880	3.16895
580	5230.571	82.05328	123.492	20.51332	14.106	9.11703	3.060	5.12833	0.943	3.28213
600	5597.238	84.88271	132.129	21.22068	15.089	9.43141	3.272	5.30517	1.008	3.39531
620	5976.324	87.71213	141.059	21.92803	16.105	9.74579	3.492	5.48201	1.075	3.50849
640	6367.831	90.54156	150.280	22.63539	17.155	10.06017	3.718	5.65885	1.144	3.62166
660	6771.758	93.37098	159.793	23.34274	18.237	10.37455	3.952	5.83569	1.216	3.73484
680	7188.105	96.20040	169.598	24.05010	19.352	10.68893	4.192	6.01253	1.289	3.84802
700	7616.873	99.02983	179.695	24.75746	20.501	11.00331	4.440	6.18936	1.365	3.96119
720	8058.060	101.85925	190.083	25.46481	21.683	11.31769	4.695	6.36620	1.443	4.07437
740	8511.667	104.68867	200.764	26.17217	22.897	11.63207	4.957	6.54304	1.523	4.18755
760	8977.695	107.51810	211.737	26.87952	24.145	11.94646	5.226	6.71988	1.606	4.30072
780	9456.142	110.34752	223.001	27.58688	25.426	12.26084	5.502	6.89672	1.690	4.41390
800	9947.010	113.17694	234.558	28.29424	26.740	12.57522	5.786	7.07356	1.777	4.52708
820	10450.298	116.00637	246.406	29.00159	28.087	12.88960	6.076	7.25040	1.865	4.64025
840	10966.006	118.83579	258.546	29.70895	29.468	13.20398	6.374	7.42724	1.956	4.75343
860	11494.134	121.66521	270.979	30.41630	30.881	13.51836	6.678	7.60408	2.050	4.86661
880	12034.682	124.49464	283.703	31.12366	32.328	13.83274	6.990	7.78091	2.145	4.97979

900	12587.651	127.32406	296.719	31.83102	33.807	14.14712	7.309	7.95775	2.242	5.09296
920	13153.039	130.15349	310.027	32.53837	35.320	14.46150	7.635	8.13459	2.342	5.20614
940	13730.848	132.98291	323.627	33.24573	36.866	14.77588	7.968	8.31143	2.444	5.31932
960	14321.076	135.81233	337.519	33.95308	38.444	15.09026	8.308	8.48827	2.548	5.43249
980	14923.725	138.64176	351.702	34.66044	40.056	15.40464	8.656	8.66511	2.654	5.54567
1 000	15538.794	141.47118	366.178	35.36780	41.701	15.71902	9.010	8.84195	2.762	5.65885