

Dimensions: packing thickness 100 mm

DN	D (mm)	L (mm)	Octave band (Hz)								Weight (kg) ~	Mean total pressure loss coefficient (ζ / m)
			63	125	250	500	1000	2000	4000	8000		
80	280	300	4	13	13	16	36	46	43	13	2.9	0.374
80	280	600	4	15	21	33	47	50	45	23	5.1	
80	280	900	4	18	30	50	50	50	48	32	7.3	
80	280	1200	5	20	39	50	50	50	50	50	9.5	
100	300	300	3	12	14	22	33	36	34	10	3.2	0.286
100	300	600	4	14	18	29	39	44	39	18	5.6	
100	300	900	5	17	23	36	46	50	44	26	8.0	
100	300	1200	6	19	28	43	50	50	49	34	10.4	
125	315	300	2	12	18	22	23	22	19	12	3.8	0.220
125	315	600	3	13	19	31	33	34	29	17	6.7	
125	315	900	3	14	20	34	43	45	39	22	9.6	
125	315	1200	4	14	21	37	50	50	49	27	12.5	
140	355	300	2	10	14	21	20	19	16	10	4.3	0.163
140	355	600	3	11	16	28	30	31	26	14	7.5	
140	355	900	3	12	18	31	40	42	35	18	10.7	
140	355	1200	4	13	20	35	49	50	44	22	13.9	
150	355	300	2	8	11	21	18	18	15	8	4.3	0.176
150	355	600	3	9	14	26	28	29	23	12	7.6	
150	355	900	4	11	17	30	39	41	33	15	10.8	
150	355	1200	5	12	20	34	48	50	41	18	14.1	
160	355	300	2	7	8	20	16	16	13	7	4.4	0.163
160	355	600	3	8	12	24	26	27	21	10	7.7	
160	355	900	4	10	16	28	37	39	30	12	11.0	
160	355	1200	5	11	19	33	47	50	38	15	14.3	
180	400	300	1	5	7	16	14	13	12	8	4.5	0.140
180	400	600	2	6	10	20	24	24	17	10	7.9	
180	400	900	3	8	13	24	35	35	23	12	11.3	
180	400	1200	4	9	16	28	45	46	29	14	14.7	
200	400	300	0	2	5	12	11	10	10	9	5.1	0.123
200	400	600	0	3	7	16	22	20	13	10	8.9	
200	400	900	1	5	10	19	32	31	16	11	12.7	
200	400	1200	2	6	12	22	42	41	20	13	16.5	

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DN	D (mm)	L (mm)	Octave band (Hz)								Weight (kg) ~	Mean total pressure loss coefficient (ζ / m)
			63	125	250	500	1000	2000	4000	8000		
224	450	300	0	2	4	10	11	10	7	7	5.5	0.108
224	450	600	0	3	7	15	21	18	11	8	6.5	
224	450	900	1	4	10	18	29	26	15	10	13.4	
224	450	1200	2	5	12	22	38	34	19	12	17.4	
250	450	300	1	1	3	6	10	9	4	4	5.9	0.095
250	450	600	1	2	6	13	19	15	8	6	10.3	
250	450	900	2	3	9	17	26	21	13	8	14.7	
250	450	1200	2	4	12	21	34	27	17	10	19.1	
280	500	300	1	2	3	4	5	1	3	1	6.6	0.081
280	500	600	3	4	7	8	10	5	7	2	11.5	
280	500	900	5	7	11	13	17	10	12	4	16.3	
280	500	1200	8	11	18	21	33	27	16	10	21.2	
300	500	300	2	6	8	8	5	3	5	0	6.8	0.074
300	500	600	4	1	1	3	3	2	1	1	11.7	
300	500	900	7	1	2	4	6	4	2	2	16.7	
300	500	1200	7	4	11	21	31	26	16	10	21.7	
315	500	300	0	1	2	7	7	1	1	1	7.3	0.069
315	500	600	0	2	6	15	21	15	8	7	17.6	
315	500	900	1	2	6	15	21	15	8	7	17.6	
315	500	1200	1	3	7	21	27	22	13	10	22.8	
355	560	600	1	2	6	16	19	14	7	6	8.6	0.061
355	560	900	1	2	6	16	19	14	5	4	14.4	
355	560	1200	1	2	6	15	19	11	5	4	20.1	
400	600	600	1	1	4	10	11	5	1	2	9.7	
400	600	900	1	1	4	10	11	5	1	2	14.7	0.052
400	600	1200	1	2	7	16	20	11	4	3	21.0	
450	630	600	1	1	4	9	10	4	2	2	15.7	
450	630	900	1	2	5	13	14	6	3	2	21.0	0.048
450	630	1200	2	2	7	16	19	8	5	3	27.2	
500	710	600	1	1	3	8	9	2	3	2	17.4	
500	710	900	2	2	5	12	14	3	4	2	23.3	0.039
500	710	1200	2	2	6	16	18	4	5	3	30.2	
560	800	600	1	1	2	7	7	2	2	2	19.5	
560	800	900	1	1	4	10	11	3	3	2	26.1	0.034
560	800	1200	1	1	5	14	15	4	4	3	33.8	
600	800	900	1	1	4	8	7	2	2	2	20.9	
600	800	1200	1	1	4	11	11	3	3	2	28.0	0.031
630	800	900	1	1	4	11	11	3	3	2	36.3	
630	800	1200	1	1	4	12	12	4	4	3	23.6	
710	900	900	2	3	9	13	5	2	3	2	31.5	0.029
710	900	1200	2	3	10	17	9	3	3	3	26.5	
800	1000	1200	3	3	10	15	7	3	3	4	29.9	

$$\Delta P_{\text{tot}} = \zeta \times \gamma / 2 \times w^2 \text{ (Pa), therein:}$$

ζ_{eff} table value x silencer length in (m)
 γ_{Medium} at 20 °C and density 1.2041 kg/m³
 w air velocity in the silencer (m/s)