

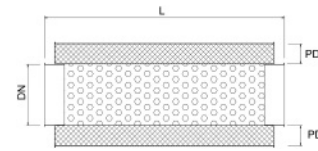
QUIETER –
LESS NOISE, OPTIMIZED SAFETY
THROUGH USE OF SILENCERS



Technical data

The silencers are part of the JACOB modular tubing system and can be integrated into your system as needed.

Connection either via lip or flange according to DIN 24154-T2.



Dampening length 400 mm

Connection DN	Fitting length	Insulation thickness	Volume flow	Air speed	Dampening at 250 Hz	Acoustic power	Pressure loss	2 mm, spray primed, with lipped end	2 mm, primed, with welded-on flange	2 mm, hot-dip galvanized, with lipped end	2 mm, hot-dip galvanized, with welded-on flange	2 mm, stainless steel, with lipped end	2 mm, stainless steel, with loose flange
mm	L (mm)	PD (mm)	Vmax (m³/h)	Vmax (m/s)	De (dB)	Lw (A)	Pa	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.
80	486	100	250	15	18	32	17	4200805012500			4200805022500		4200805032500
100	486	100	400	15	15	34	14	4201005012500			4201005022500		4201005032500
120	486	100	600	15	13	35	11	4201205012500			4201205022500		4201205032500
140	486	100	800	15	12	36	10	4201405012500			4201405022500		4201405032500
150	486	100	900	15	11	37	9	4201505012500			4201505022500		4201505032500
175	486	100	1200	15	10	38	8	4201705012500			4201705022500		4201705032500
200	486	100	1600	15	9	40	7	4202005012500			4202005022500		4202005032500
224	486	100	2100	15	9	41	6	4202205012500			4202205022500		4202205032500
250	486	100	2600	15	7	42	5	4202505012500			4202505022500		4202505032500
300	486	100	3800	15	6	43	5	4203005012500			4203005022500		4203005032500
350	486	100	5100	15	5	44	4	4203505012500	4203505012503	4203505022500	4203505022503	4203505032500	4203505032503
400	486	100	6700	15	5	46	3	4204005012500	4204005012503	4204005022500	4204005022503	4204005032500	4204005032503

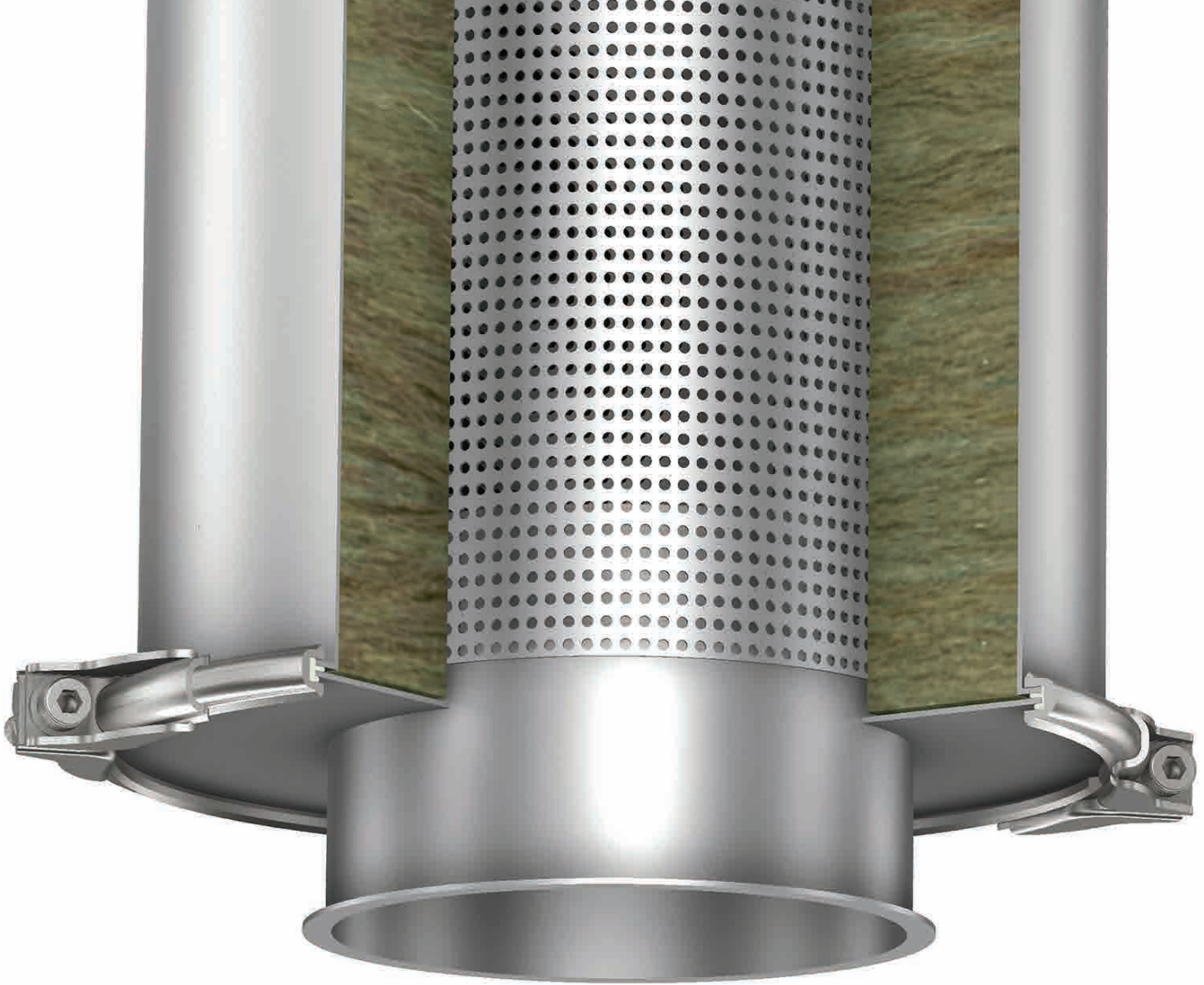
Dampening length 900 mm

Connection DN	Fitting length	Insulation thickness	Volume flow	Air speed	Dampening at 250 Hz	Acoustic power	Pressure loss	2 mm, spray primed, with lipped end	2 mm, primed, with welded-on flange	2 mm, hot-dip galvanized, with lipped end	2 mm, hot-dip galvanized, with welded-on flange	2 mm, stainless steel, with lipped end	2 mm, stainless steel, with loose flange
mm	L (mm)	PD (mm)	Vmax (m³/h)	Vmax (m/s)	De (dB)	Lw (A)	Pa	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.
80	984	100	270	15	37	32	38	4200810012500			4200810022500		4200810032500
100	984	100	400	15	30	34	31	4201010012500			4201010022500		4201010032500
120	984	100	600	15	25	35	26	4201210012500			4201210022500		4201210032500
140	984	100	800	15	24	36	22	4201410012500			4201410022500		4201410032500
150	984	100	900	15	22	37	20	4201510012500			4201510022500		4201510032500
175	984	100	1200	15	21	38	18	4201710012500			4201710022500		4201710032500
200	984	100	1700	15	18	40	15	4202010012500			4202010022500		4202010032500
224	984	100	2100	15	17	41	14	4202210012500			4202210022500		4202210032500
250	984	100	2600	15	15	42	12	4202510012500			4202510022500		4202510032500
300	984	100	3800	15	13	43	10	4203010012500			4203010022500		4203010032500
350	984	100	5100	15	12	44	9	4203510012500	4203510012503	4203510022500	4203510022503	4203510032500	4203510032503
400	984	100	6700	15	11	46	8	4204010012500	4204010012503	4204010022500	4204010022503	4204010032500	4204010032503
450	984	100	8500	15	8	47	7	4204510012500	4204510012503	4204510022500	4204510022503	4204510032500	4204510032503

Dampening length 1400 mm

Connection DN	Fitting length	Insulation thickness	Volume flow	Air speed	Dampening at 250 Hz	Acoustic power	Pressure loss	2 mm, spray primed, with lipped end	2 mm, primed, with welded-on flange	2 mm, hot-dip galvanized, with lipped end	2 mm, hot-dip galvanized, with welded-on flange	2 mm, stainless steel, with lipped end	2 mm, stainless steel, with loose flange
mm	L (mm)	PD (mm)	Vmax (m³/h)	Vmax (m/s)	De (dB)	Lw (A)	Pa	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.
150	1484	100	900	15	34	37	32	4201515012500			4201515022500		4201515032500
175	1484	100	1200	15	32	38	27	4201715012500			4201715022500		4201715032500
200	1484	100	1700	15	27	40	24	4202015012500			4202015022500		4202015032500
224	1484	100	2100	15	26	41	21	4202215012500			4202215022500		4202215032500
250	1484	100	2600	15	23	42	19	4202515012500			4202515022500		4202515032500
300	1484	100	3800	15	20	43	16	4203015012500			4203015022500		4203015032500
350	1484	100	5100	15	18	44	14	4203515012500	4203515012503	4203515022500	4203515022503	4203515032500	4203515032503
400	1484	100	6700	15	16	46	12	4204015012500	4204015012503	4204015022500	4204015022503	4204015032500	4204015032503
450	1484	100	8500	15	13	47	11	4204515012500	4204515012503	4204515022500	4204515022503	4204515032500	4204515032503
500	1484	100	10600	15	12	48	10	4205015012500	4205015012503	4205015022500	4205015022503	4205015032500	4205015032503
560	1484	100	13300	15	12	49	9	4205615012500	4205615012503	4205615022500	4205615022503	4205615032500	4205615032503
630	1484	100	15800	15	11	50	8	4206315012500	4206315012503	4206315022500	4206315022503	4206315032500	4206315032503

Additional technical parameters are available on request.



**QUICK
CONNECT**



**FOOD
GRADE**
EG/EC 1935/2004 plus FDA



**DETECTABLE
DESIGN**

In tubing systems, noticeable noise cannot be avoided. To bring your production systems to a whisper, we offer silencers with JACOB-compatible elements. They are available as inline silencers and in a rectangular design. The sound-absorbing material applied on the inside consists of non-flammable mineral wool with glass non-woven covering. The insulating layer of the sound-absorbing inserts is 2 to 4 inches thick, including condensation protection.

We would be happy to implement individual customer requests, such as flow profiles at the ends of silencers or pull ring or flange connections in lieu of pull rings. On request, we will assist you in selecting the right design and correctly dimensioning your acoustic insulation. As a component of the JACOB modular tubing system, the silencers are easy to disassemble and assemble for cleaning or to replace the mineral wool.

JACOB TUBING L.P.

3948 Willow Lake Blvd.
Memphis, TN 38118
USA
T +1 901 566 1110
F +1 901 566 1910
info@jacob-tubing.com
www.jacob-tubing.com



NO. 1 IN TUBING SYSTEMS