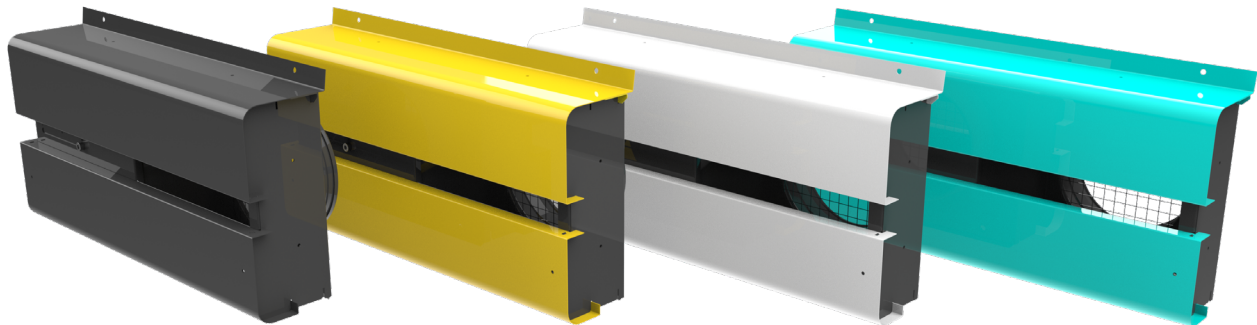


RVD Combined intake/exhaust grille

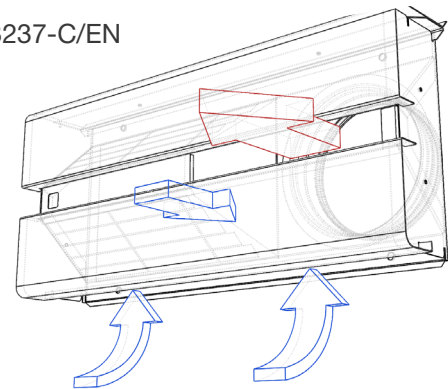


- Unique and stylish outdoor intake/exhaust grille available in all RAL colors
- Compact and flat - fits easily on all exterior surfaces
- Focused exhaust flow pattern provides 100% elimination of intake-exhaust cross contamination
- Adjustable exhaust velocity - easy to maintain the required minimum >5 m/s airflow velocity for small air volumes
- Air intake from the underside prevents entry of water or snow into the supply duct
- Low pressure drop - reduces fan energy consumption
- Galvanised steel housing with powder coating ensures long-term durability
- Removable front panels allow inversion of the exhaust connection
- Registered design No 007972823-0002
- RVD 125L and RVD 160 are certified products, No EUFI29-20003237-C/EN

Application

RVD-type combined grilles are used when there is a need to penetrate both intake and exhaust on the same wall surface.

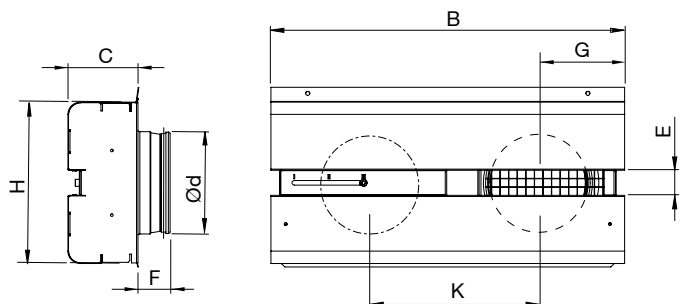
RVD is an excellent solution for apartment or other smaller ventilation unit's air intake and exhaust.



Structure and dimensions

In standard configuration, RVD grilles are manufactured from galvanized steel and finished with grey RAL 7000 powder coating. RVD is optionally available in all RAL- series colors.

Exhaust duct connections are provided with rubber gasket and mesh screen.

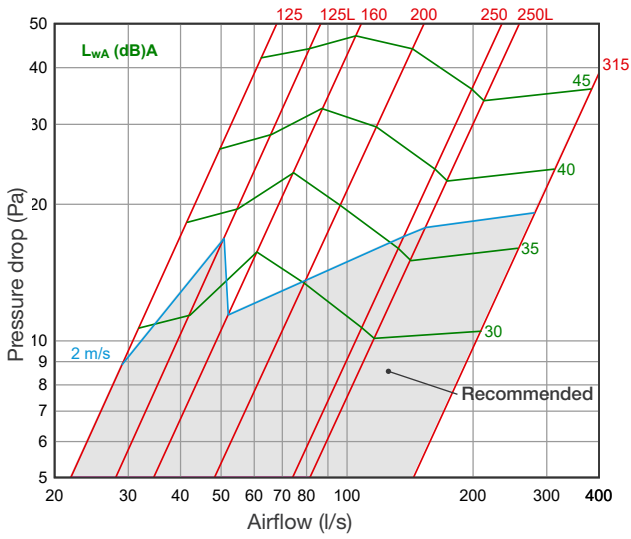


Product	Ød (mm)	B (mm)	H (mm)	C (mm)	K (mm)		E (mm)	F (mm)	G (mm)	Weight (kg)
					min	max				
RVD 125	125	433	198	86	185	230	31	39	106	2,0
RVD 125L	125	561	233	101	202	350	39	39	113	2,5
RVD 160	160	591	233	101	238	350	39	39	125	3,0
RVD 200	200	681	273	121	290	400	43	39	145	4,0
RVD 250	250	849	323	144	353	515	51	42	170	5,6
RVD 250L	250	949	363	161	400	570	60	42	220	6,5
RVD 315	315	1340	441	197	538	870	75	40	268	11,5

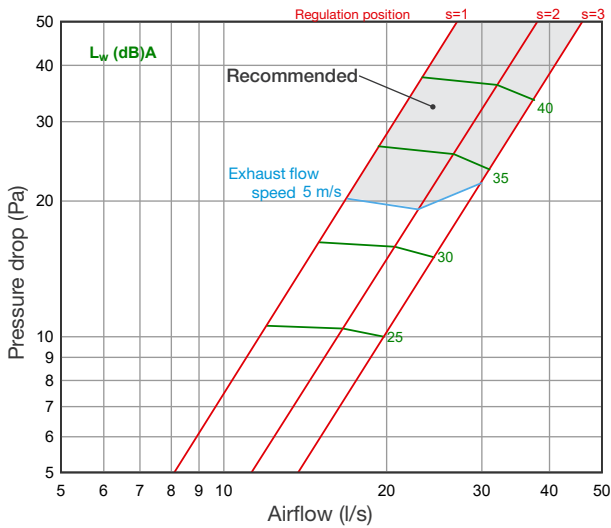
Technical data

Pressure drop - Airflow

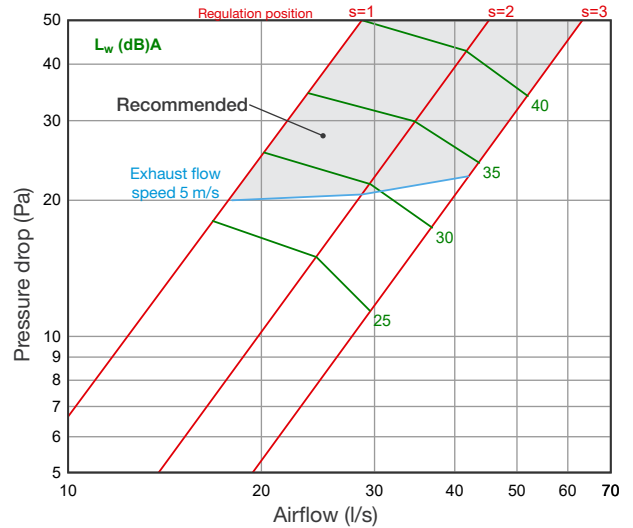
RVD - Intake air



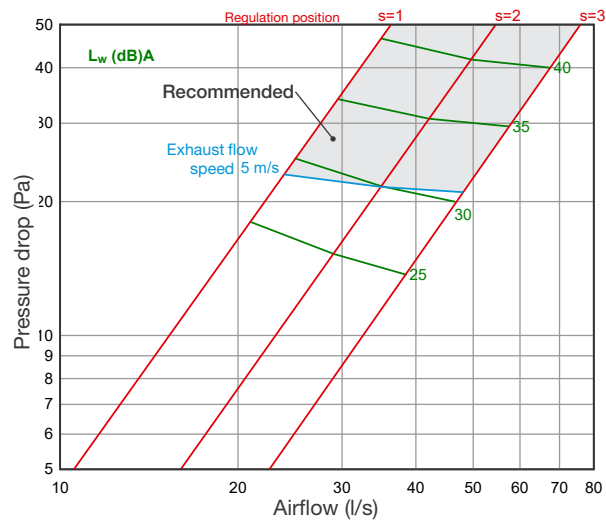
RVD 125 - Exhaust air



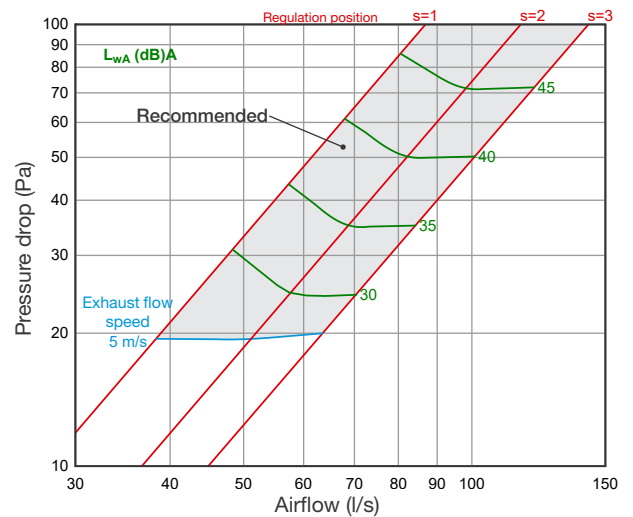
RVD 125L - Exhaust air



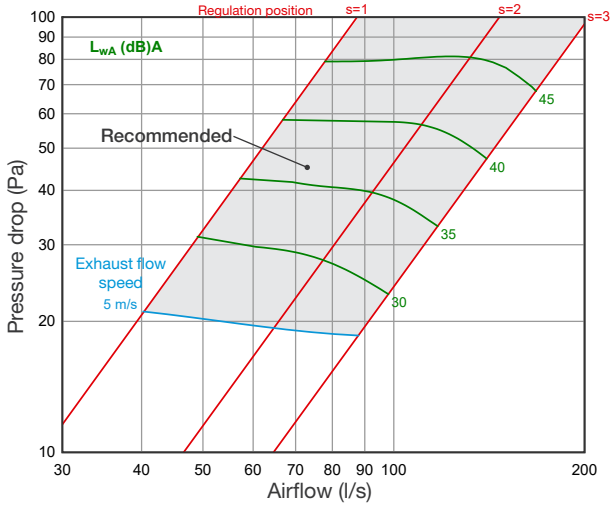
RVD 160 - Exhaust air



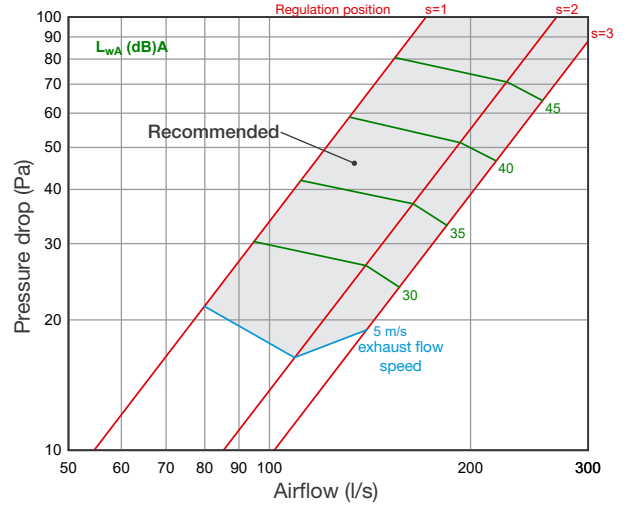
RVD 200 - Exhaust air



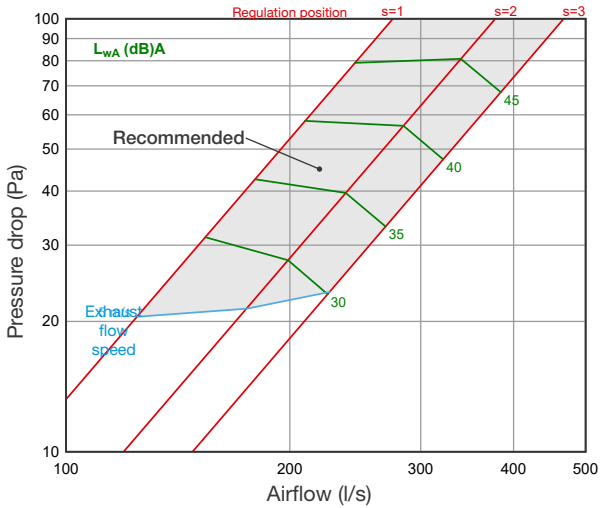
RVD 250 - Exhaust air



RVD 250L - Exhaust air



RVD 315 - Exhaust air



NB! The regulator must be adjusted to ensure exhaust air velocity of at least 5 m/s.

Acoustic data

$$L_w = L_{wA} + K_{okt}$$

RVD, intake air	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
	63	125	250	500	1k	2k	4k	8k
RVD 125	-3	-2	-3	-2	-6	-15	-15	-12
RVD 125L	0	-3	-1	-1	-6	-11	-15	-14
RVD 160	0	-3	-1	-1	-6	-11	-15	-14
RVD 200	-7	-6	-3	-1	-5	-12	-15	-20
RVD 250	-1	1	2	-2	-6	-10	-15	-22
RVD 250L	0	0	2	-1	-4	-9	-15	-21
RVD 315	-1	1	2	-2	-6	-10	-15	-22

RVD, exhaust air	Position	Sound level correction factor K_{okt} (dB) Mean frequency of octave band (Hz)							
		63	125	250	500	1k	2k	4k	8k
RVD 125	s = 1	-6	-6	-6	-2	-8	-12	-15	-15
	s = 2	-4	-3	-3	-2	-8	-13	-15	-15
	s = 3	-3	-1	-2	-3	-9	-15	-16	-15

RVD, exhaust air	Position	Sound level correction factor K_{okt} (dB)							
		Mean frequency of octave band (Hz)							
		63	125	250	500	1k	2k	4k	8k
RVD 125L	s = 1	-2	-4	-3	-3	-6	-10	-14	-15
	s = 2	0	0	0	-1	-6	-12	-15	-16
	s = 3	1	-1	1	-1	-9	-15	-16	-16
RVD 160	s = 1	-3	-3	-3	-2	-7	-12	-16	-15
	s = 2	0	-1	-1	-1	-7	-13	-16	-16
	s = 3	0	0	0	-1	-9	-14	-16	-16
RVD 200	s = 1	-1	-2	1	-1	-6	-13	-22	-27
	s = 2	0	0	2	-1	-6	-14	-23	-27
	s = 3	-1	-1	2	-1	-5	-13	-22	-25
RVD 250	s = 1	-1	-3	-5	-5	-5	-6	-12	-19
	s = 2	1	1	0	-2	-6	-9	-16	-22
	s = 3	2	2	1	-1	-6	-12	-22	-24
RVD 250L	s = 1	-1	-2	-3	-5	-5	-6	-10	-19
	s = 2	0	1	0	-0	-6	-10	-16	-20
	s = 3	0	2	0	-0	-6	-11	-20	-22
RVD 315	s = 1	-1	-3	-5	-5	-5	-6	-12	-19
	s = 2	1	1	0	-2	-6	-9	-16	-22
	s = 3	2	2	1	-1	-6	-12	-22	-24

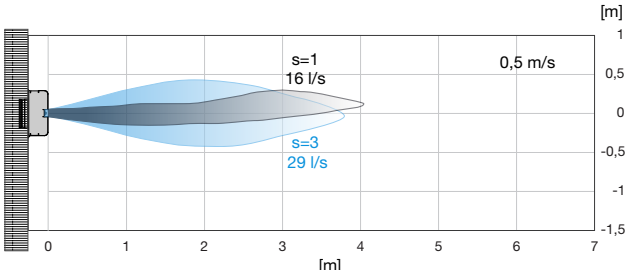
Sound attenuation

RVD, intake air	Sound attenuation D_{okt} (dB)							
	63	125	250	500	1k	2k	4k	8k
RVD 125	19	13	8	8	7	7	5	5
RVD 125L	17	12	6	8	6	5	5	6
RVD 160	17	12	6	8	6	5	5	6
RVD 200	16	10	5	6	4	4	5	5
RVD 250	13	8	3	4	4	4	4	5
RVD 250L	12	7	3	4	4	3	4	5
RVD 315	13	8	3	4	4	4	4	5

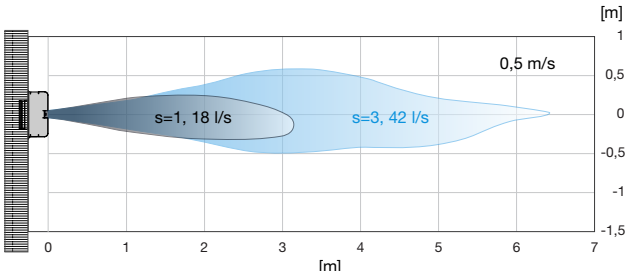
RVD, exhaust air	Position	Sound attenuation D_{okt} (dB)							
		63	125	250	500	1k	2k	4k	8k
		RVD 125	s = 1	24	16	12	8	7	6
s = 2	22		16	11	9	7	6	5	5
s = 3	21		14	11	7	7	4	4	6
RVD 125L	s = 1	22	15	12	8	7	6	5	6
	s = 2	21	15	11	8	6	6	4	5
	s = 3	21	14	11	7	7	4	4	6
RVD 160	s = 1	19	14	10	7	7	5	5	5
	s = 2	19	13	9	6	6	5	4	5
	s = 3	18	11	9	6	4	5	5	5
RVD 200	s = 1	19	12	8	5	5	4	6	6
	s = 2	18	11	8	4	4	4	5	5
	s = 3	17	10	7	4	3	3	5	5
RVD 250	s = 1	15	11	7	4	4	6	7	7
	s = 2	14	10	7	3	4	5	6	6
	s = 3	15	10	6	3	3	5	5	5
RVD 250L	s = 1	15	10	6	3	3	6	6	5
	s = 2	14	9	5	3	3	4	6	5
	s = 3	14	9	5	3	3	4	5	5
RVD 315	s = 1	15	11	7	4	4	6	7	7
	s = 2	14	10	7	3	4	5	6	6
	s = 3	15	10	6	3	3	5	5	5

Airflow pattern

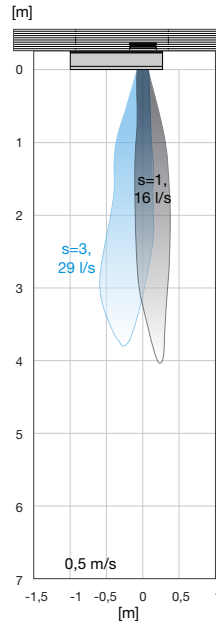
RVD 125, side view



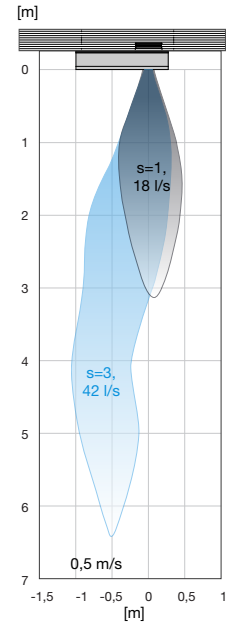
RVD 125L, side view



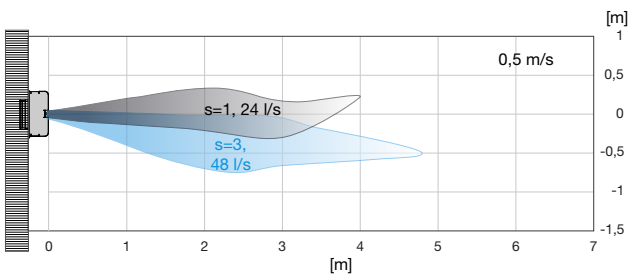
RVD 125, top view



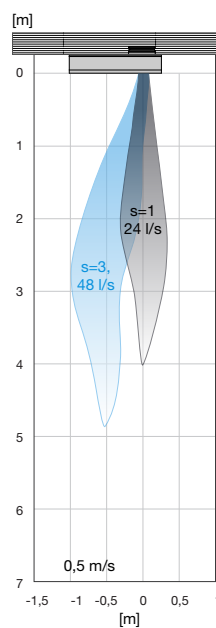
RVD 125L, top view



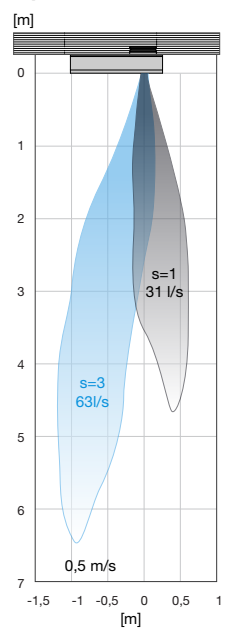
RVD 160, side view



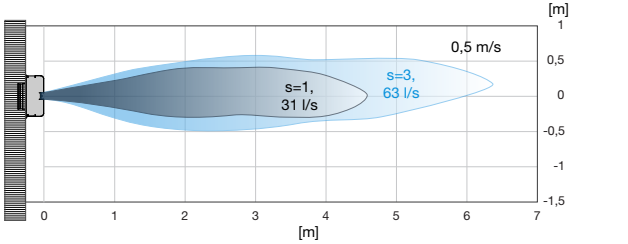
RVD 160, top view



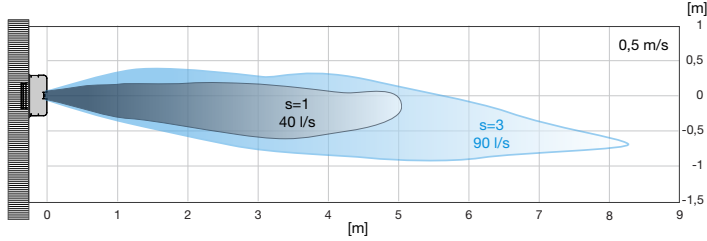
RVD 200, top view



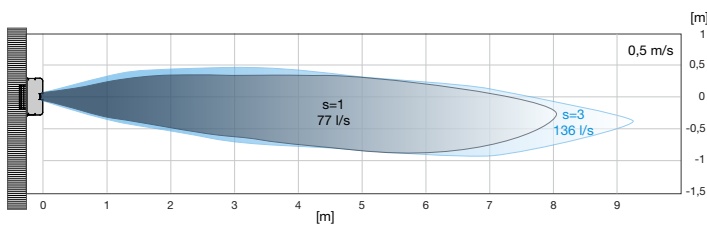
RVD 200, side view



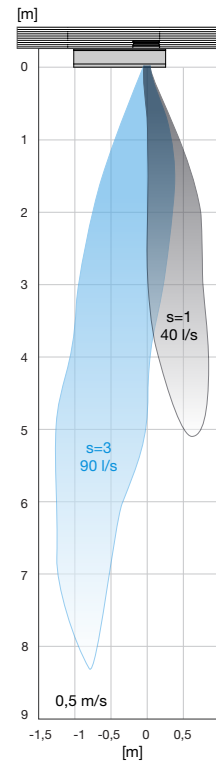
RVD 250, side view



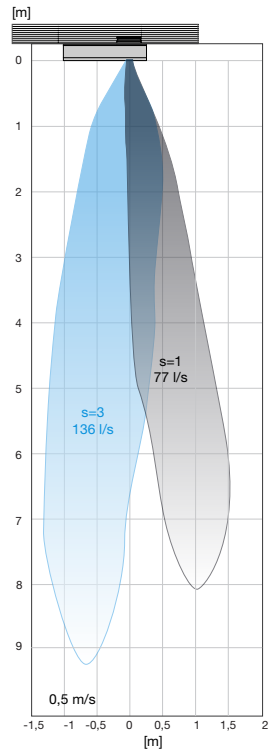
RVD 250L, side view



RVD 250, top view

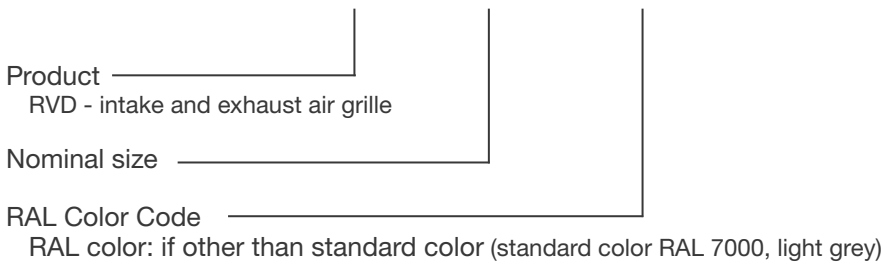


RVD 250L, top view



Product marking

RVD - d - RAL 7000



Example: RVD 160