Long reducers

RSCLL/RSLL/RSCLFL/RSLFL/RSCL/RSL/RSCLF/RSLF

RSCLL

RSLFL

Description

Long reducers are used in ventilation systems in industrial, office and housing buildings. They are installed in systems made of spiral ducts, bends and other fittings. The reduced diameter acts as a confusor to increase the air flow rate. When installed with the large diameter towards the incoming air flow, the piece works like a diffuser. All reducers are available in galvanized steel sheet, stainless steel sheet or aluminium sheet. Eccentric reducers are known as a reducers with one flat side, therefore they are used when the ductwork is supposed to be installed tight to the ceiling slab or onto the wall.

RSCLL – concentric reducer with double male ends and EPDM gaskets
RSLL – eccentric reducer with double male ends and EPDM gaskets
RSCLFL – concentric reducer with male-to-female ends and an EPDM gasket
RSLFL – eccentric reducer with male-to-female ends and an EPDM gasket
RSCL – concentric reducer with double male ends and without gaskets
RSL – eccentric reducer with double male ends and without gaskets
RSCLF – concentric reducer with male-to-female ends and without gaskets
RSLF – eccentric reducer with male-to-female ends and without gaskets
$Ød_2$ – suitable for SPR ducts
$Ød_1$ – suitable for SPR ducts or direct connections with fittings

Available materials — Product code example

RSLL-... -...	– galvanized steel sheet
RSLL-K-.. -...	— 1.4301/304 stainless steel sheet
RSLL-K-.. -...-316L	— 1.4404/316L stainless steel sheet, molybdenum-enriched
RSLL-A-... -...	— AW-1050A H24 aluminium sheet
RSLL-CU-... -...	— M1E z4 copper sheet
RSLL-ZM-...	— ZM310 coating (only up to a diameter of Ød1 = 500mm)

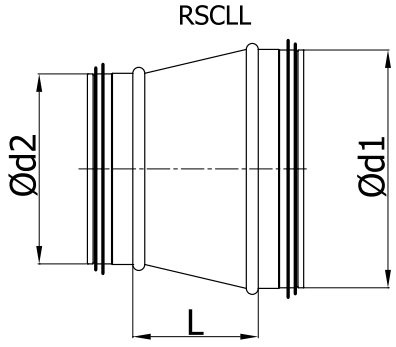
Product code example

Product code: **RSLL - aaa - bbb**

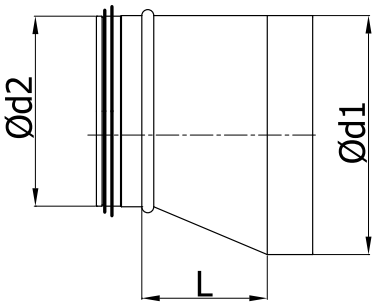
type
$Ød_1$
$Ød_2$

Technical specifications

RSCLL



RSLFL



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Dimensions

$Ød_{1\ nom}$ (mm)	$Ød_{2\ nom}$ (mm)	L (mm)	Weight (kg)
100	80	47	0.17
112	80	74	0.18
	100	47	0.20
125	80	74	0.24
	100	52	0.23
140	80	90	0.28
	100	69	0.27
	125	46	0.25
150	80	102	0.31
	100	80	0.30
	125	51	0.27
	140	35	0.25
160	80	113	0.35
	100	91	0.34
	125	63	0.31
	140	46	0.29
	150	35	0.27
180	80	135	0.43
	100	113	0.41
	125	86	0.38
	140	69	0.36
	150	57	0.35
	160	47	0.33
200	80	157	0.50
	100	135	0.49
	125	107	0.46
	140	90	0.43
	150	80	0.42
	160	69	0.40
	180	47	0.37
224	100	162	0.60
	125	134	0.57
	140	118	0.55
	150	106	0.53
	160	96	0.51
	180	73	0.47
	200	50	0.42
250	100	191	0.72
	125	163	0.69
	140	146	0.67
	150	135	0.65
	160	124	0.64
	180	102	0.60
	200	80	0.55
	224	53	0.50

$Ød_{1\ nom}$ (mm)	$Ød_{2\ nom}$ (mm)	L (mm)	Weight (kg)
280	125	196	0.94
	140	180	0.91
	150	169	0.90
	160	158	0.88
	180	135	0.84
	200	113	0.78
	224	87	0.72
	250	57	0.65
300	125	219	1.10
	140	203	1.00
	150	191	1.00
	160	180	0.99
	180	158	0.95
	200	135	0.90
	224	109	0.85
	250	80	0.76
	280	47	0.73
315	125	235	1.15
	140	219	1.12
	150	208	1.08
	160	196	1.05
	180	175	1.00
	200	152	1.00
	224	125	0.93
	250	96	0.85
	280	63	0.82
	300	41	0.79
355	160	241	1.64
	180	219	1.60
	200	196	1.52
	224	170	1.45
	250	141	1.40
	280	108	1.30
	300	86	1.15
	315	69	1.10
400	160	295	2.20
	180	273	2.00
	200	226	1.95
	224	210	1.87
	250	175	1.65
	280	162	1.82
	300	139	1.62
	315	110	1.55
	355	71	1.40

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Dimensions

$Ød_{1\ nom}$ (mm)	$Ød_{2\ nom}$ (mm)	L (mm)	Weight (kg)
450	200	276	3.20
	224	258	3.10
	250	226	3.00
	280	210	2.90
	300	194	2.75
	315	160	2.65
	355	121	2.45
	400	79	2.25
500	200	362	3.90
	224	335	3.80
	250	276	3.70
	280	264	3.60
	300	251	3.50
	315	211	3.35
	355	170	3.15
	400	129	3.00
	450	79	2.70
560	250	377	4.70
	280	340	4.50
	300	317	4.40
	315	300	4.30
	355	257	4.10
	400	211	3.90
	450	154	3.60
	500	98	3.20
600	250	447	5.20
	280	404	5.00
	300	382	4.90
	315	365	4.60
	355	321	4.60
	400	275	4.50
	450	219	4.20
	500	164	3.80
	560	96	2.30
630	250	451	5.90
	280	418	5.70
	250	451	5.90
	280	418	5.70
	300	395	5.60
	315	379	5.50
	355	334	5.30
	400	288	5.00
	450	232	4.80
	500	177	4.30
	560	110	3.60
	600	73	3.50

$Ød_{1\ nom}$ (mm)	$Ød_{2\ nom}$ (mm)	L (mm)	Weight (kg)
710	355	428	8.60
	400	381	8.30
	450	325	7.90
	500	269	7.30
	560	202	6.20
	600	159	5.80
	630	125	5.40
800	400	480	10.7
	450	426	10.30
	500	386	9.70
	560	304	8.90
	600	259	8.40
	630	226	7.70
	710	140	7.00
900	450	536	12.80
	500	480	12.70
	560	414	11.60
	600	370	11.00
	630	337	10.70
1000	500	592	16.20
	560	525	15.40
	600	481	14.80
	630	447	14.30
	710	363	13.50
	800	263	11.70
	900	151	9.50
1120	560	659	21.80
	600	574	21.30
	630	552	20.70
	710	496	19.80
	800	397	17.70
	900	284	15.30
	1000	174	12.70
1250	600	884	26.0
	630	726	25.5
	710	641	24.4
	800	541	22.8
	900	429	20.4
	1000	318	17.7
	1120	184	15.8

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Dimensions

$Ød_{1\ nom}$ (mm)	$Ød_{2\ nom}$ (mm)	L (mm)	Weight (kg)
1400	600	874	33.3
	630	854	33.0
	710	795	32.8
	800	736	31.9
	900	613	29.0
	1000	508	26.6
	1120	459	26.0
	1250	432	25.7
1500	630	981	38.8
	710	910	38.3
	800	778	35.4
	900	709	34.0
	1000	605	31.6
	1120	523	29.8
	1250	440	27.5
	1400	366	25.3
1600	710	1038	44.5
	800	972	43.6
	900	785	38.6
	1000	711	37.2
	1120	626	35.4
	1250	477	30.6
	1400	380	27.2
	1500	270	24.1

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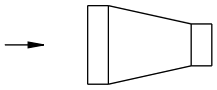
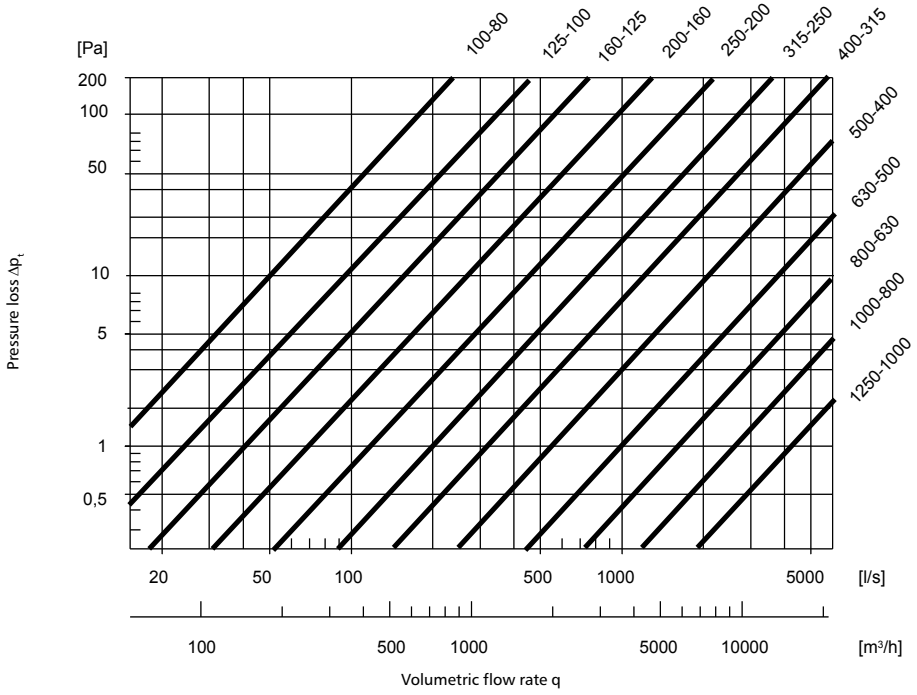
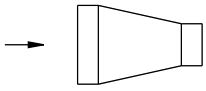
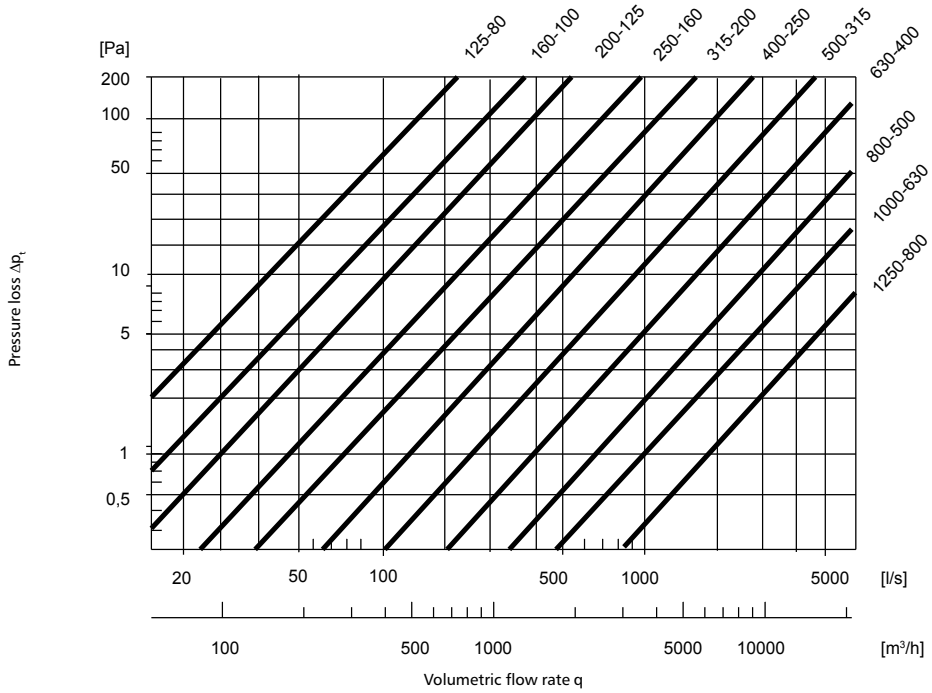


1st reduction stage





2nd reduction stage



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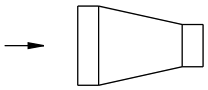
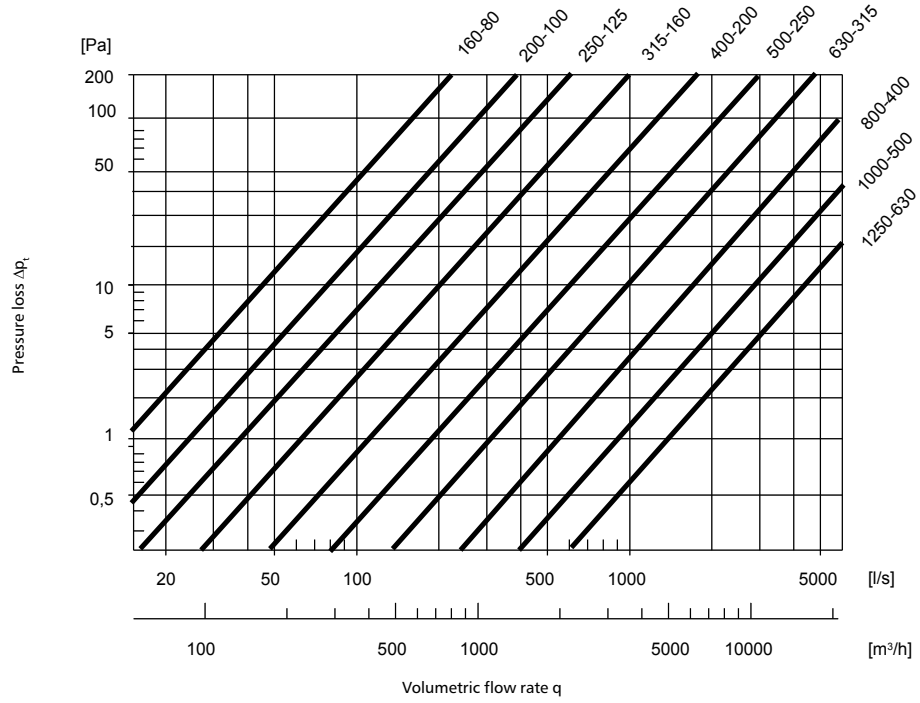
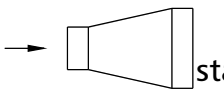
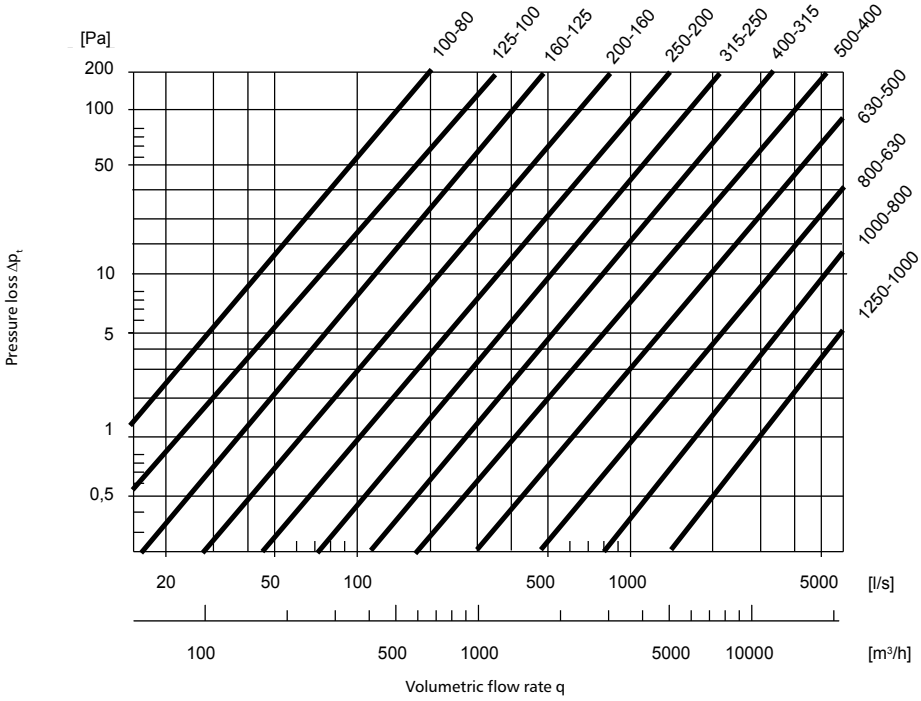


3rd reduction stage





1st reduction stage



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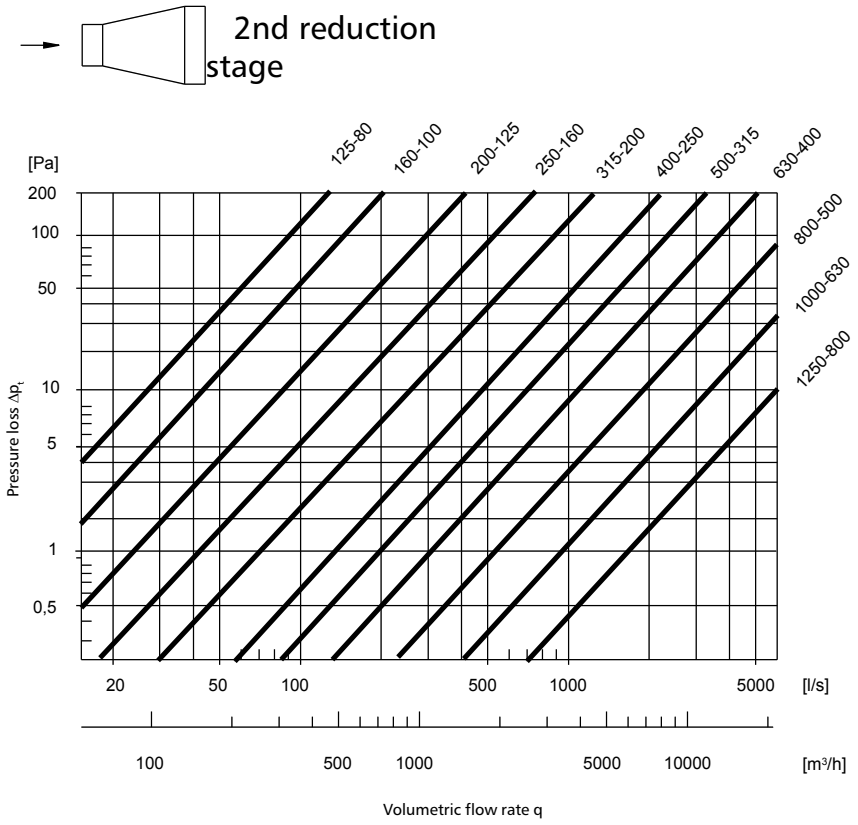

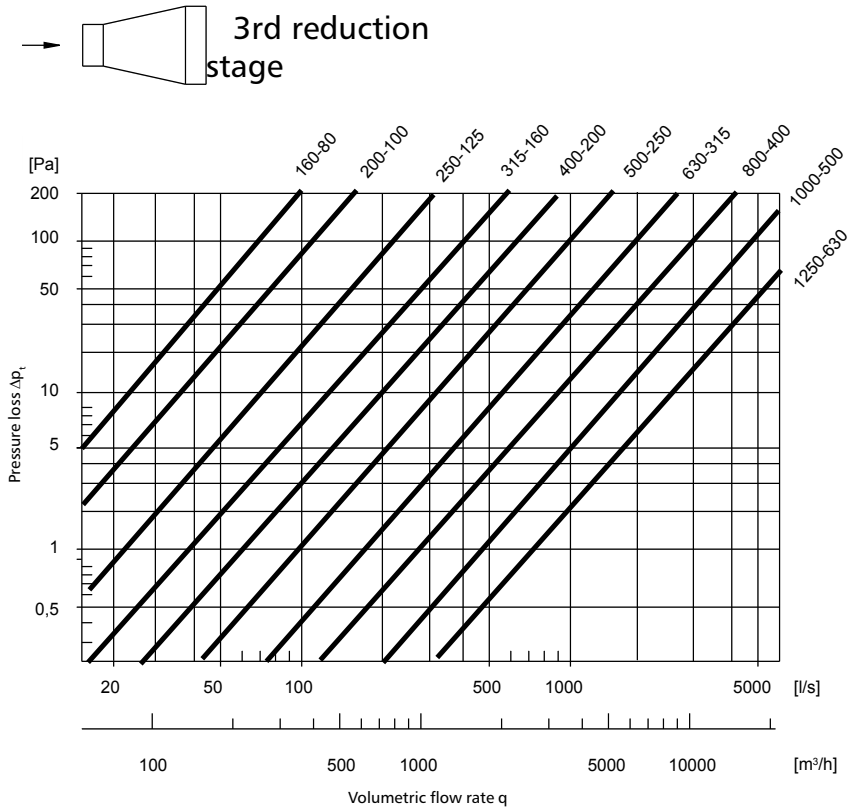

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