

# Capped circular duct

# SRL



## Description

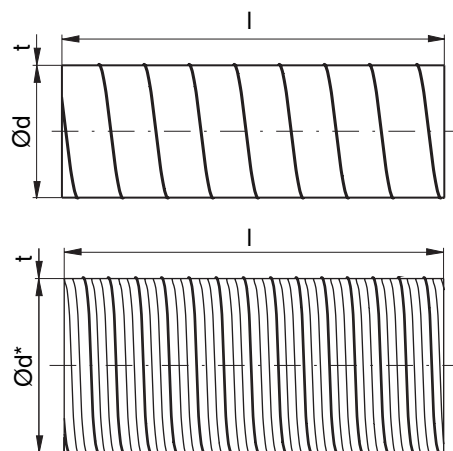
Capped circular duct.

Ducts are always produced locally and can therefore have different thicknesses and other specifications per country.

The ducts can be produced both with and without click function (notches).

Please specify when ordering.

## Dimensions



Ød std nom	O $\pi d$ m	A $\pi d^2/4$ m <sup>2</sup>	t std mm	l std mm	ml std kg/m
63 <sup>1</sup>	0,198	0,003	0,5	3000	
80 <sup>1</sup>	0,251	0,005	0,45	3000	
100 <sup>1</sup>	0,314	0,008	0,45	3000	
112	0,352	0,01	0,5	3000	
125 <sup>1</sup>	0,393	0,012	0,45	3000	
140	0,44	0,015	0,5	3000	
150	0,471	0,018	0,5	3000	
160 <sup>1</sup>	0,503	0,02	0,5	3000	
180	0,565	0,025	0,5	3000	
200 <sup>1</sup>	0,628	0,031	0,5	3000	
224	0,704	0,039	0,6	3000	
250 <sup>*1</sup>	0,785	0,049	0,5	3000	
280	0,88	0,062	0,55	3000	
300 <sup>*</sup>	0,942	0,071	0,55	3000	
315 <sup>*1</sup>	0,99	0,078	0,55	3000	
355 <sup>*</sup>	1,115	0,099	0,55	3000	
400 <sup>*2</sup>	1,257	0,126	0,55	3000	
450 <sup>*</sup>	1,414	0,159	0,7	3000	
500 <sup>*2</sup>	1,571	0,196	0,7	3000	
560 <sup>*</sup>	1,759	0,246	0,8	3000	
600 <sup>*</sup>	1,885	0,283	0,7	3000	
630 <sup>*2</sup>	1,979	0,312	0,7	3000	
710 <sup>*</sup>	2,231	0,396	0,8	3000	
800 <sup>*2</sup>	2,513	0,503	0,8	3000	
900 <sup>*</sup>	2,827	0,636	0,9	3000	
1000 <sup>*2</sup>	3,142	0,785	0,9	3000	
1120 <sup>*</sup>	3,519	0,985	0,9	3000	
1250 <sup>*2</sup>	3,927	1,227	0,9	3000	

\* With outturned stiffening corrugations.

<sup>1</sup> With blue plastic caps.

<sup>2</sup> With transparent plastic hoods.

## Ordering example

	<b>SRL</b>	<b>250</b>	<b>3000</b>	<b>CLIC</b>
Product				
Dimension Ød				
Length l				
Type				

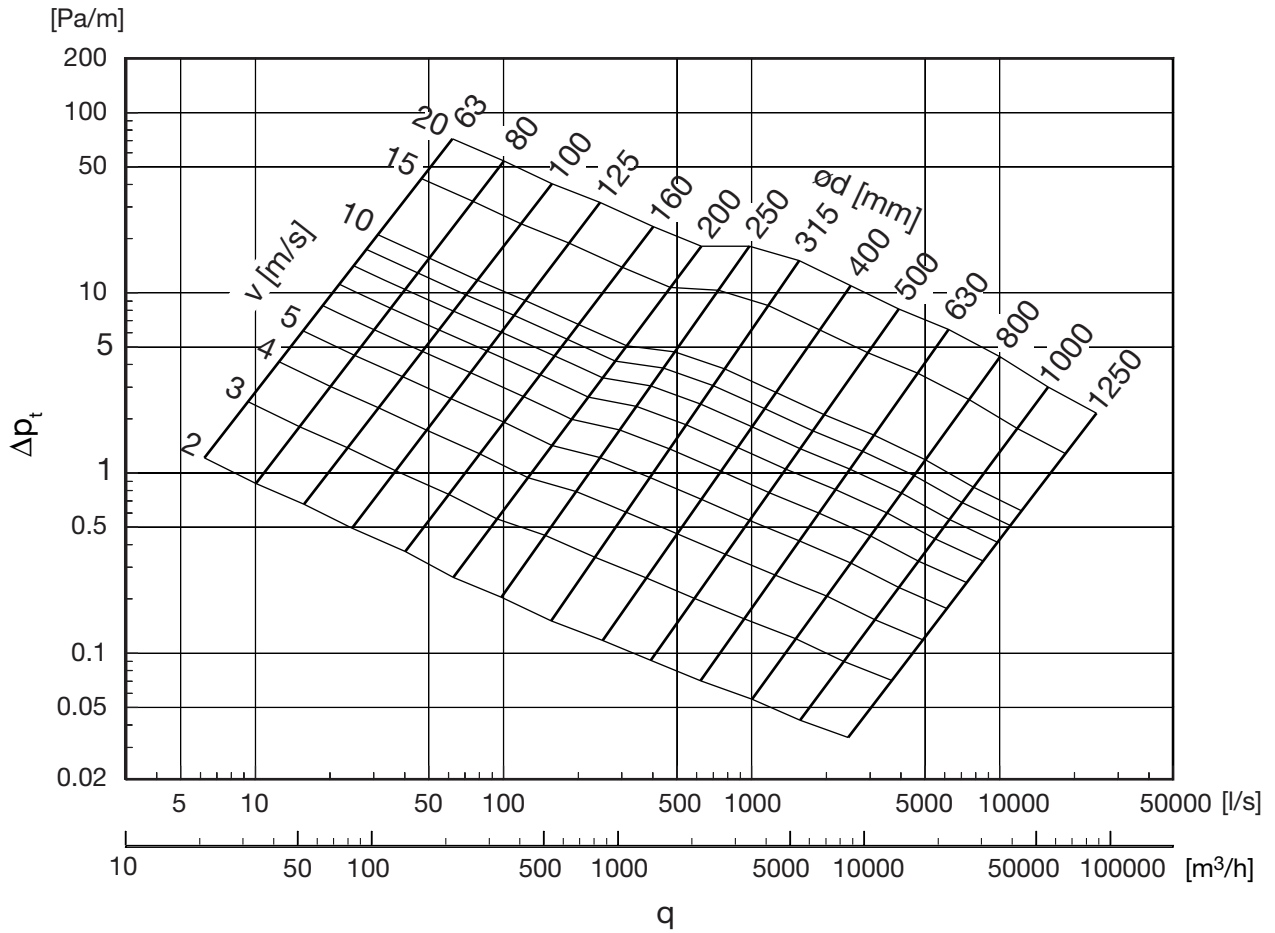


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## Technical data



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## Technical data

### Special versions

We can supply ducts with the following special designs:

- In intermediate dimensions, see page 15.
- Extra tight, with nitrile rubber seal in the lock seam
- In other sheet metal thicknesses

### Extra tight, with seam seal

When extremely good sealing is required in the spiral seam, the ducts can also be supplied with a special rubber seal in the seam.

This seal is very effective at stopping leakage of vegetable oils and greases, and most petroleum products including white spirit.

### Other sheet metal thicknesses

If extra stability is needed in ducts, because of high negative pressure etc., they can be supplied with thicker sheet metal than standard. Remember that the thickness increase always reduces the inner diameter. Fittings for such special ducts must be specified separately and sometimes have to be made specially.

### Reinforcement corrugations

Ducts of Ø250 mm and above are normally given stiffening corrugations to increase radial stiffness.

## Strength

### Positive pressure

In case of high positive pressure, the seal moulding lips will first start to whistle. At considerably higher pressure, the joints between the ducts will be forced apart. If you manage to fix the connections very well, the ducts will burst at their seams at even higher pressure. The high pressures needed for this to happen are not relevant to ventilation installations.

### Negative pressure

In installations with high negative pressure, there is a risk that the ducts could collapse.

This phenomenon is referred to as buckling, and can suddenly happen at the weakest point in the system. Buckling wanders along the duct, which can be completely flattened. The weakest point is frequently a "transport dent" on a duct. For this reason, only use undamaged ducts in systems which are close to the critical pressure!

### Sealing

The ability of the seal moulding to seal is different from these pressures, and is noted on page 45.

