



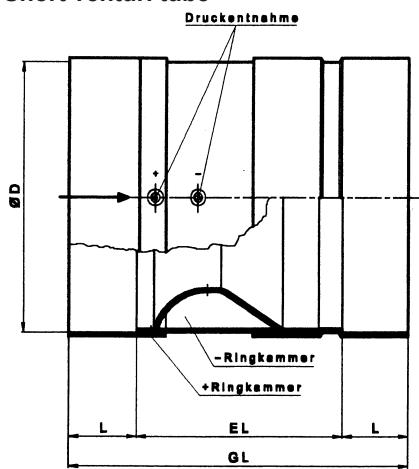
- Prefabricated venturi transitions in all diameters
- Material PPs
- Threaded or flanged version made short and long version available
- Manufactured to DIN ISO 5167
- Inexpensive local display for all ventilation applications
- Combination with our differential pressure gauges and transmitters possible

The venturi tube is a primary element for flow metering in tubings. The principle of the venturi tube allows for meterings with all media. The venturi tube described here is especially designed for air flow metering in ventilation channels. Mounting of the venturi tube in the installation has to be made using plug sockets with the corresponding lip seals. A version with flange connection can also be supplied. The venturi tube is a one-piece extruded housing made of PP. High accuracy of fit and optimum centering is guaranteed with socket or flange connection on both sides. The venturi nozzle is made with an inlet profile as per ISA according to DIN EN ISO 5167. The flow which is important and favorable for metering is achieved through the specific deformation process of the thermoplastic material. It allows for an exact fitting as well as for extremely smooth surfaces for ideal flow conditions without any costly rework.

The pressure relief valves have 4-5 individual bore holes in the cylindrical neck which open out into a ring chamber.

For further evaluation, indicators (DA2000) with a scale in m³/h or measuring transducers (DS85 or DS200) for remote transmission of the measuring signal are available. The exact design of the indicators or the measuring transducers depends on the design data which are to be clarified beforehand.

Short venturi tube



Specifications

Design: plastic tubes, grey, made of PPs, accurate of fit with thermal deformation and welding

Discharge nozzle: 8 mm ø for connection of plastic hose
Mounting: socket connection, the counterparts are equipped with the corresponding lip seals

Ambient temperature: 0...+80 °C
Tubes with lip seals are available on request

Dimensions (mm)

DN	øD	EL	GL	L
160	160	110	190	40
200	200	110	210	50
250	250	130	230	50

When ordering, please indicate the flow direction!

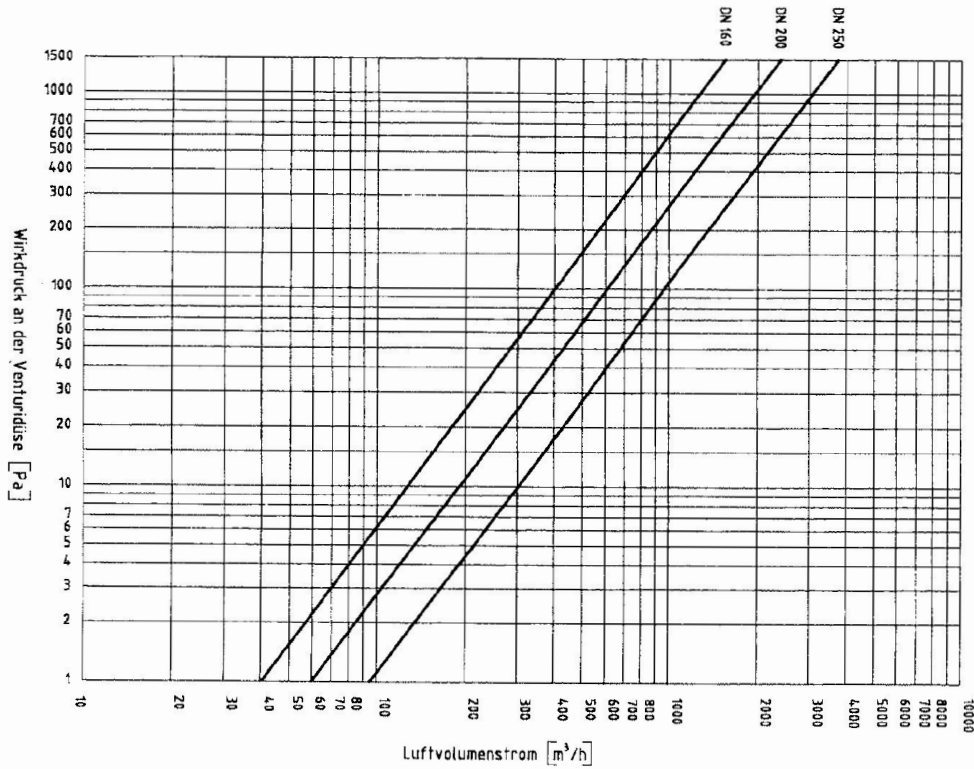
**up - down / down - up
right - left / left - right**

		Item no.
Short venturi nozzle nominal size DN160		
Material plastic PPs, grey		
Socket version MVR 160-K		6370
Flange version FVR 160-K		6373
Short venturi nozzle nominal size DN200		
Material plastic PPs, grey		
Socket version MVR 200-K		6371
Flange version FVR 200-K		6374
Short venturi nozzle nominal size DN250		
Material plastic PPs, grey		
Socket version MVR 250-K		6372
Flange version FVR 250-K		6375

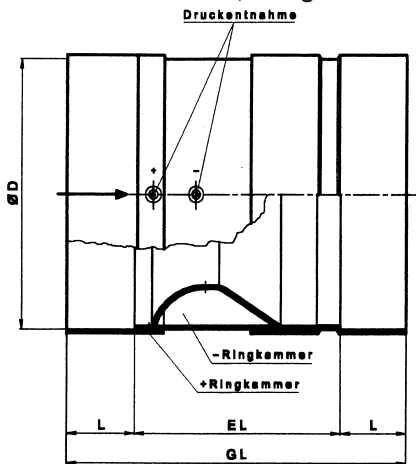
ACCESSORIES

Mounting bracket for DA2000, DS200 or DS85	6399
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Differential pressure characteristic of the venturi



Short venturi tube, Flange version



Dimensions (mm)

øD	GL	øD1	øK	ød	Anz. ød	H
160	160	230	200	7	8	8
200	160	270	240	7	8	8
250	180	320	290	7	12	8

Dimensions (mm) for Socket version

DN	øD	EL	GL	L
110	110	190	270	40
125	125	220	300	40
140	140	240	320	40
160	160	280	360	40
180	180	300	380	40
200	200	320	420	50
225	225	380	480	50
250	250	480	580	50
280	280	440	540	50
315	315	500	600	50
355	355	550	650	40

Dimensions (mm) for Flange version

øD	GL	øD1	øK	ød	Anz. ød	H
110	190	170	150	7	4	8
125	220	185	165	7	8	8
140	240	200	175	7	8	8
160	280	230	200	7	8	8
180	300	250	220	7	8	8
200	320	270	240	7	8	8
225	380	295	265	7	8	8
250	480	320	290	7	12	8
280	440	360	325	9	12	10
315	500	395	350	9	12	10
355	550	435	400	9	12	10