Fanison®

FMS 200 – 400
AIR QUANTITY MEASURING DEVICE

FMS is an air volume measuring device for round air conditioning ducts based on the measurement of the pressure difference measured from several points, to be used together with the pressure transmitter PV 10.

The device is made of PVC plastic and acid-resistant steel and designed to achieve a large measurement pressure difference and a small permanent pressure loss.

The measuring device is installed in the opening in the duct where there are as few disturbances in the air flow as possible.
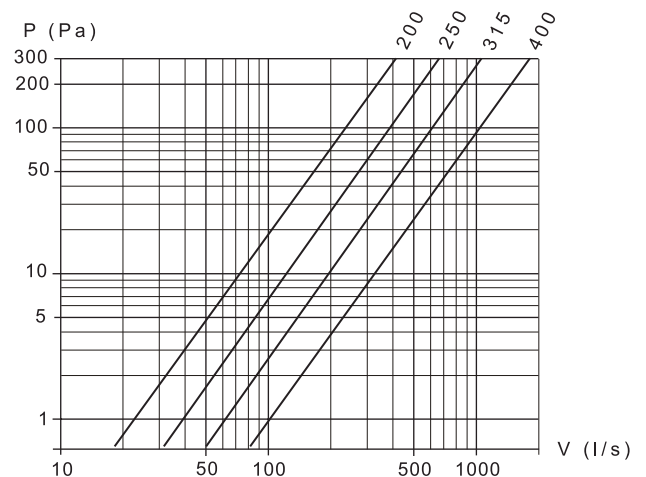

A hole in the channel ⌀32)

Flow constant, k–factor

FMS	200	k = 23,9
FMS	250	k = 38,4
FMS	315	k = 61,6
FMS	400	k = 100,5

$$q_v = k * \sqrt{\triangle P} \quad l/s$$

TECHNICAL INFORMATION

Measurement range	0.5–20 m/s
Operating temperature	–20…+ 80°C
Measurement error	< ± 3 %
Measuring hoses	inner diameter 5 or 6 mm
Material	PVC and stainless steel 2343