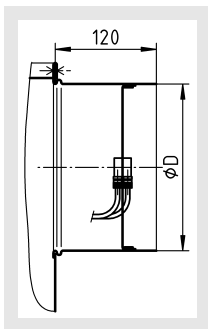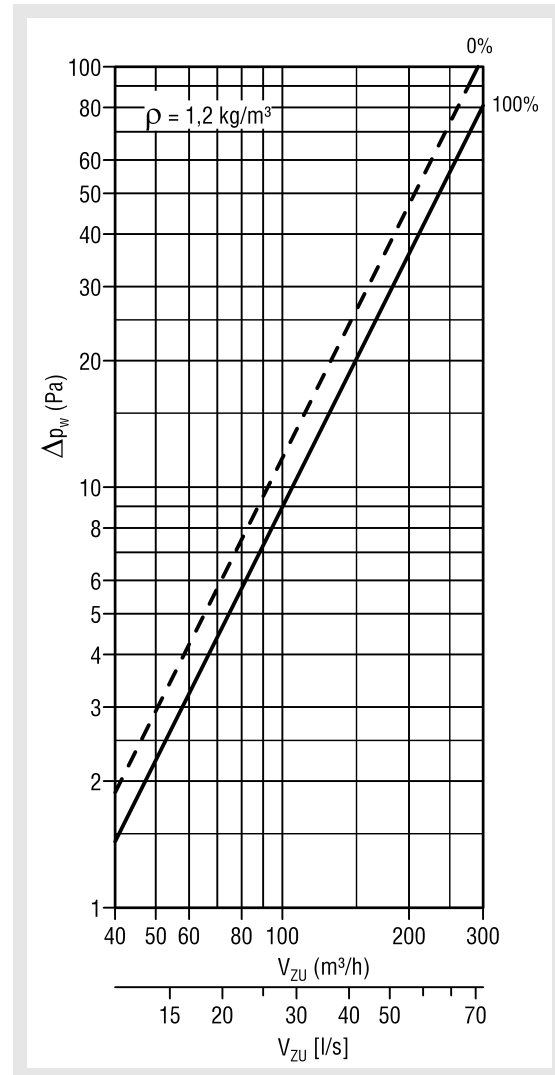# Volumetric Flow Meter
VME

Technical data

Volumetric Flow Meter VME

Effective pressure (supply air)

Volumetric flow meter VME integrated into the connection piece of the plenum box

VME-Z øD=98

VME-Z øD=123

Damper position:

100 % = OPEN

0 % = CLOSED

Legend

V_{ZU} (m³/h) = Supply air volume

V_{ZU} [l/s] = Supply air volume

ρ (kg/m³) = Density

Δp_W (Pa) = Effective pressure

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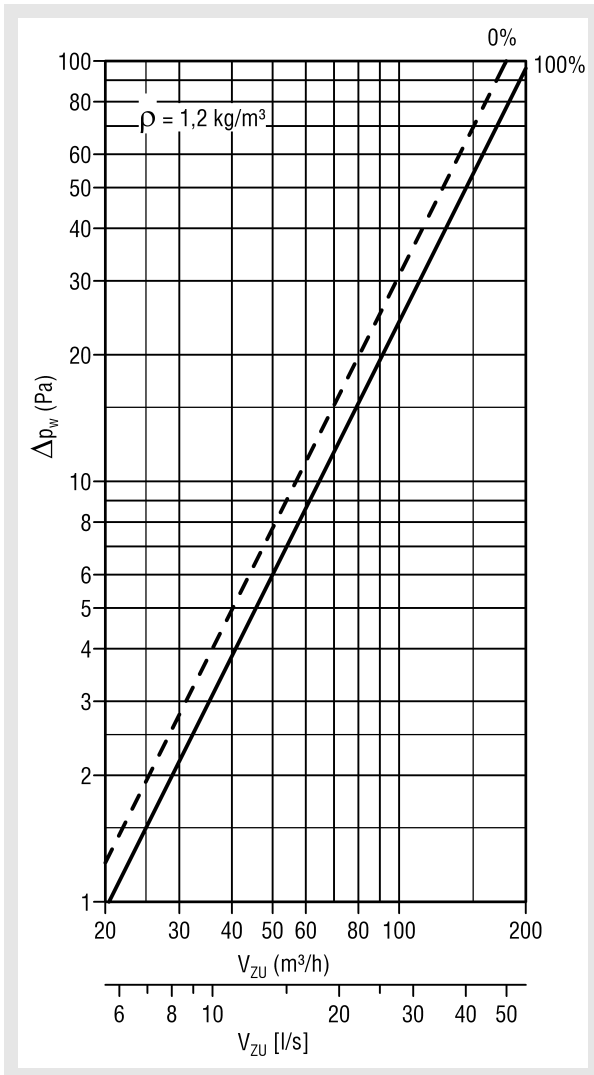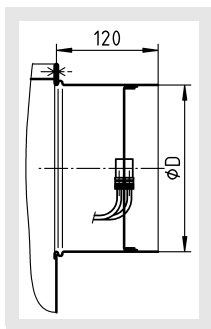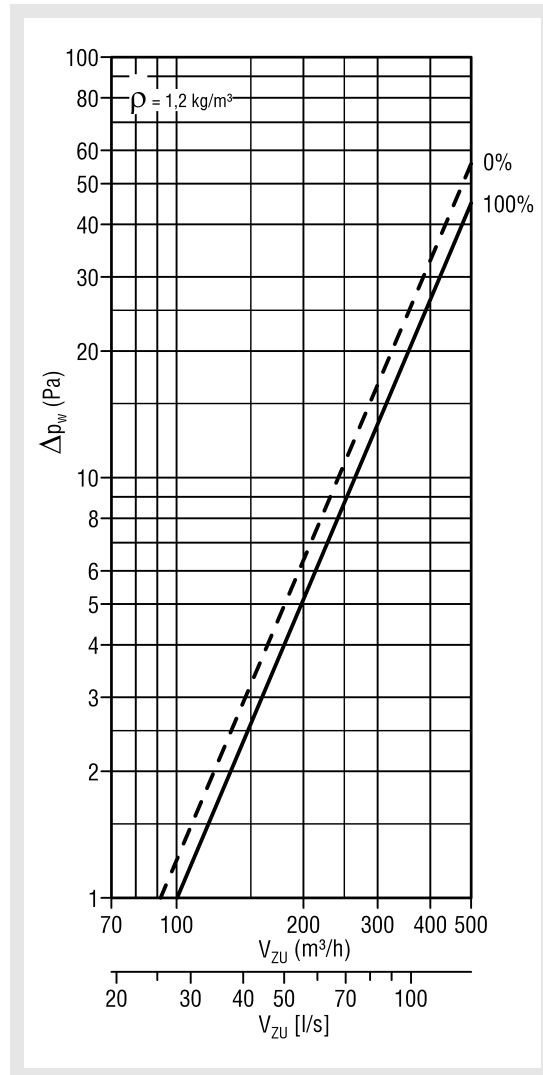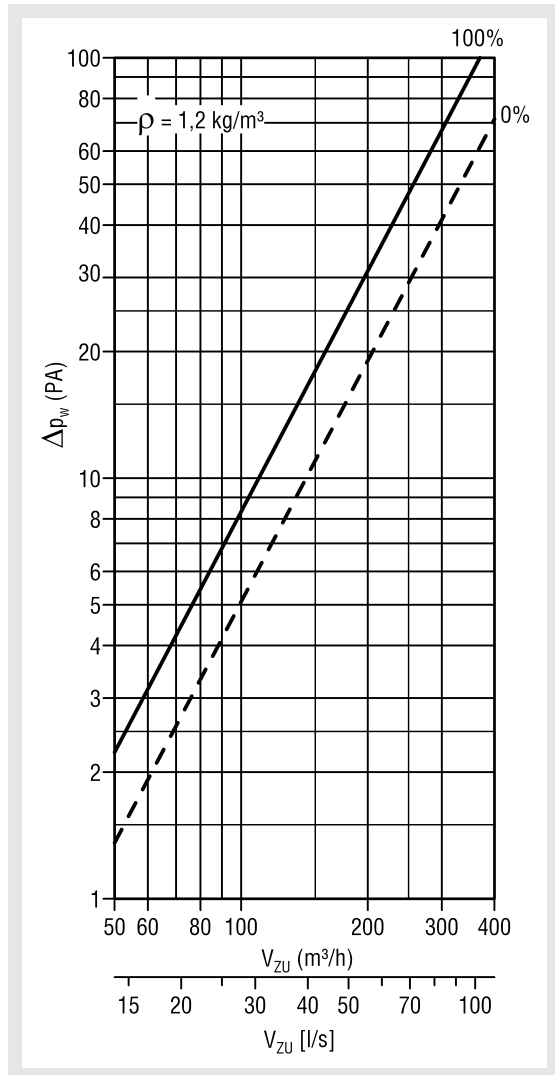
Volumetric Flow Meter VME

Effective pressure (supply air)

Volumetric flow meter VME integrated in the connection piece of the plenum box

VME-Z øD=138

VME-Z øD=158

Chart (left): VME-Z øD=138. Y-axis: Δp_W (PA), range 1 to 100. X-axis: V_{ZU} (m³/h) 50 to 400; V_{ZU} [l/s] 15 to 100. Curves labeled 100% and 0%. $\rho = 1{,}2$ kg/m³

Chart (right): VME-Z øD=158. Y-axis: Δp_W (Pa), range 1 to 100. X-axis: V_{ZU} (m³/h) 70 to 500; V_{ZU} [l/s] 20 to 100. Curves labeled 0% and 100%. $\rho = 1{,}2$ kg/m³

120

øD

Damper position:

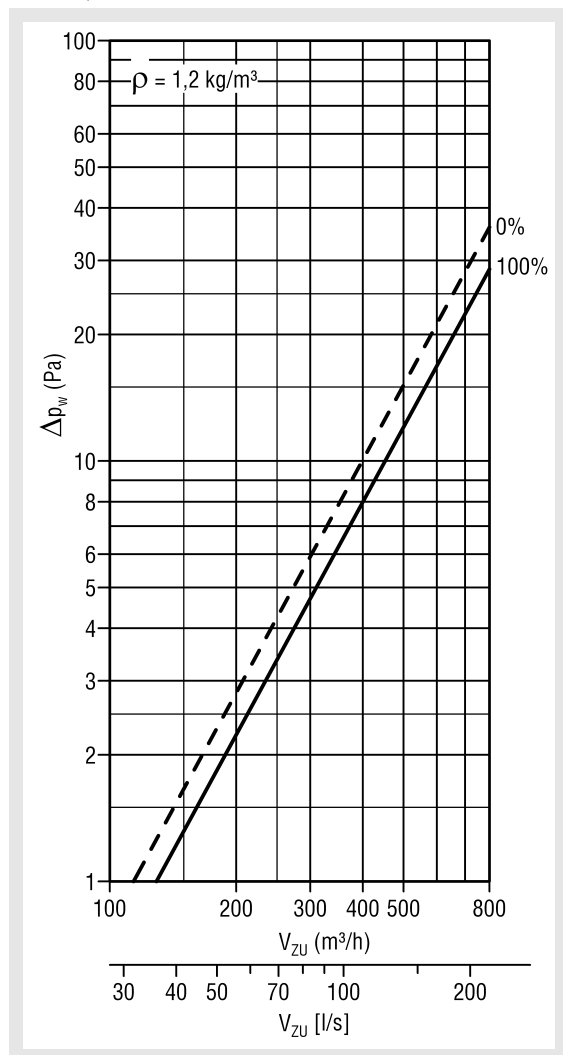100 % = OPEN
  0 % = CLOSED

Legend

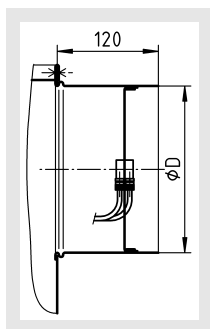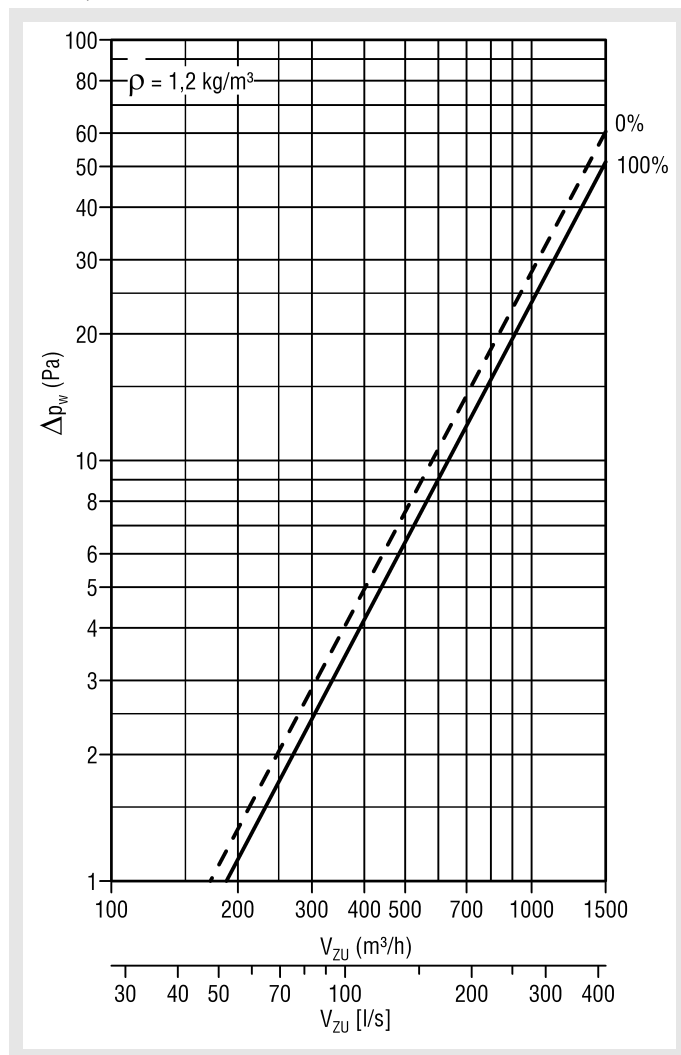|		
V_{ZU} (m³/h)	= Supply air volume
V_{ZU} [l/s]	= Supply air volume
ρ (kg/m³)	= Density
Δp_W (Pa)	= Effective pressure

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Volumetric Flow Meter VME

Effective pressure (supply air)

Volumetric flow meter VME integrated in the connection piece of the plenum box

VME-Z øD=198

VME-Z øD=248

Damper position:

100 % = OPEN

0 % = CLOSED

Legend

V_{ZU} (m³/h) = Supply air volume
V_{ZU} [l/s] = Supply air volume
ρ (kg/m³) = Density
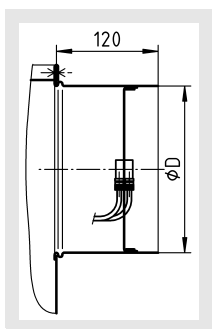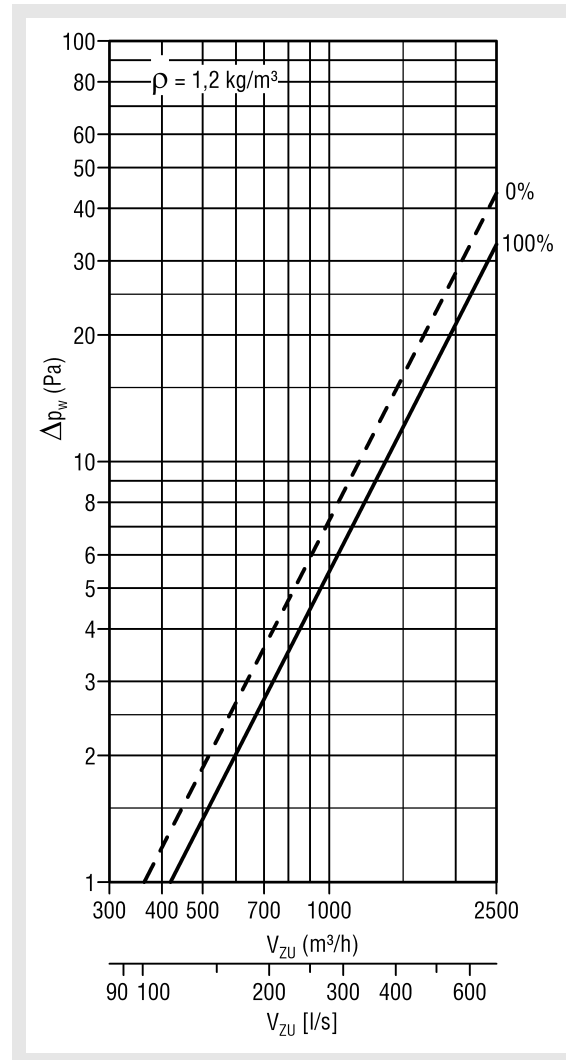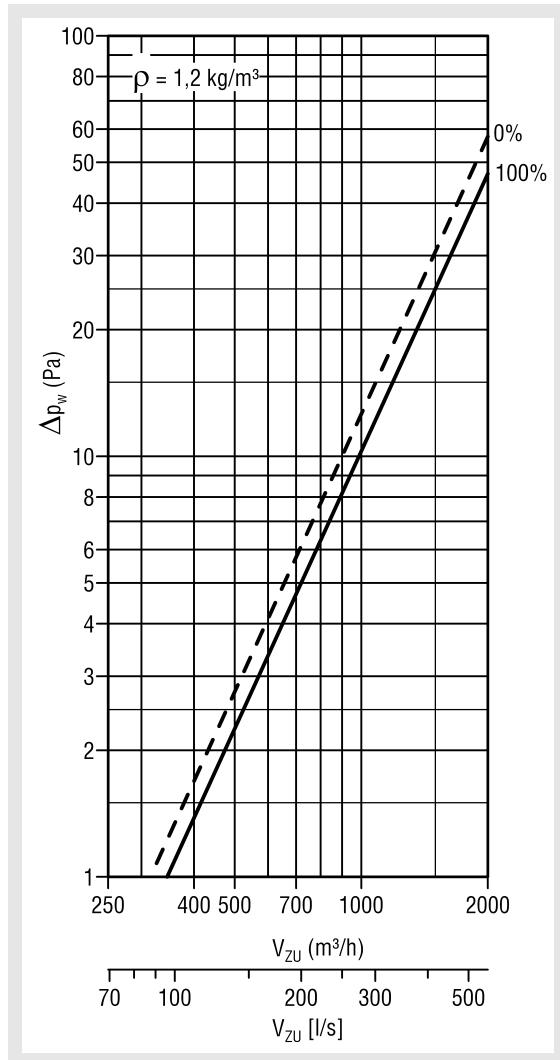Δp_W (Pa) = Effective pressure

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Volumetric Flow Meter VME

Effective pressure (supply air)

Volumetric flow meter VME integrated in the connection piece of the plenum box

VME-Z øD=298

VME-Z øD=353

Damper position:

100 % = OPEN

0 % = CLOSED

Legend

V_{ZU} (m³/h) = Supply air volume

V_{ZU} [l/s] = Supply air volume

ρ (kg/m³) = Density

Δp_w (Pa) = Effective pressure
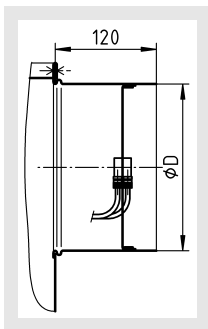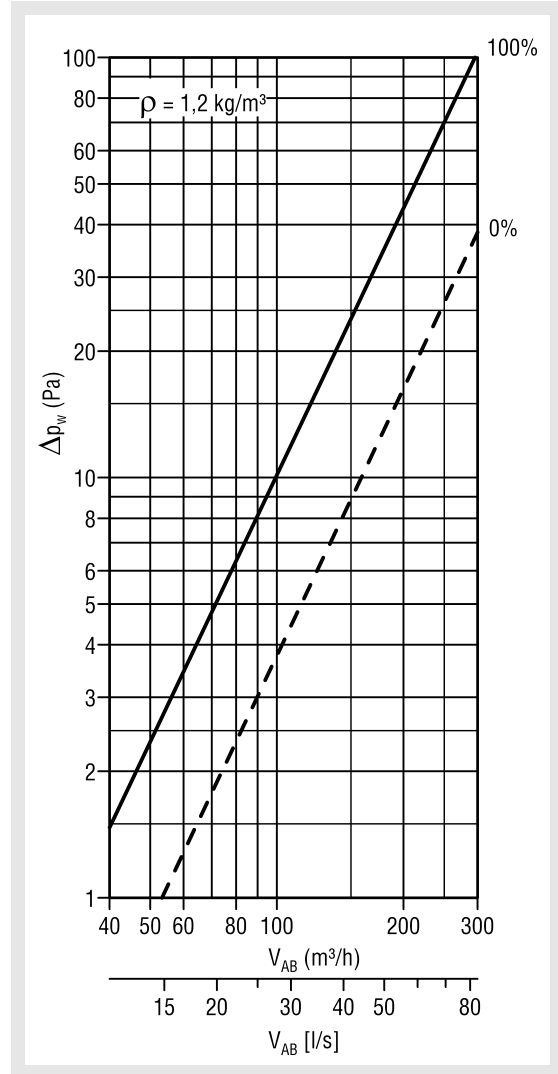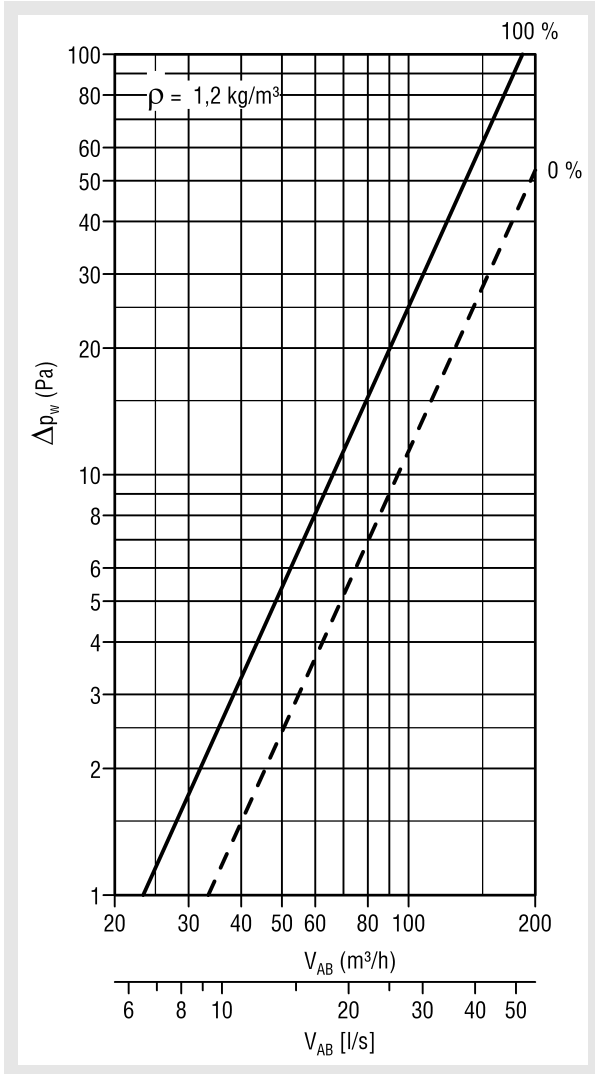
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Volumetric Flow Meter VME

Effective pressure (return air)

Volumetric flow meter VME integrated in the connection piece of the plenum box

VME-A øD=98

VME-A øD=123

Damper position:

100 % = OPEN

  0 % = CLOSED

Legend

V_{AB} (m³/h) = Return air volume

V_{AB} [l/s] = Return air volume

ρ (kg/m³) = Density

Δp_W (Pa) = Effective pressure
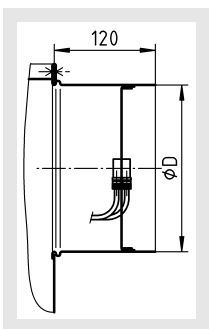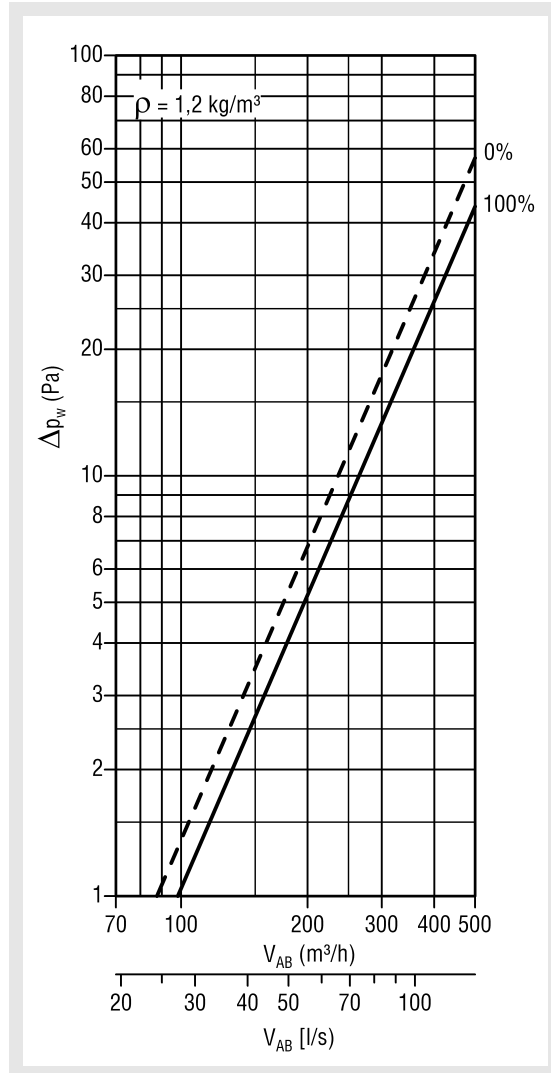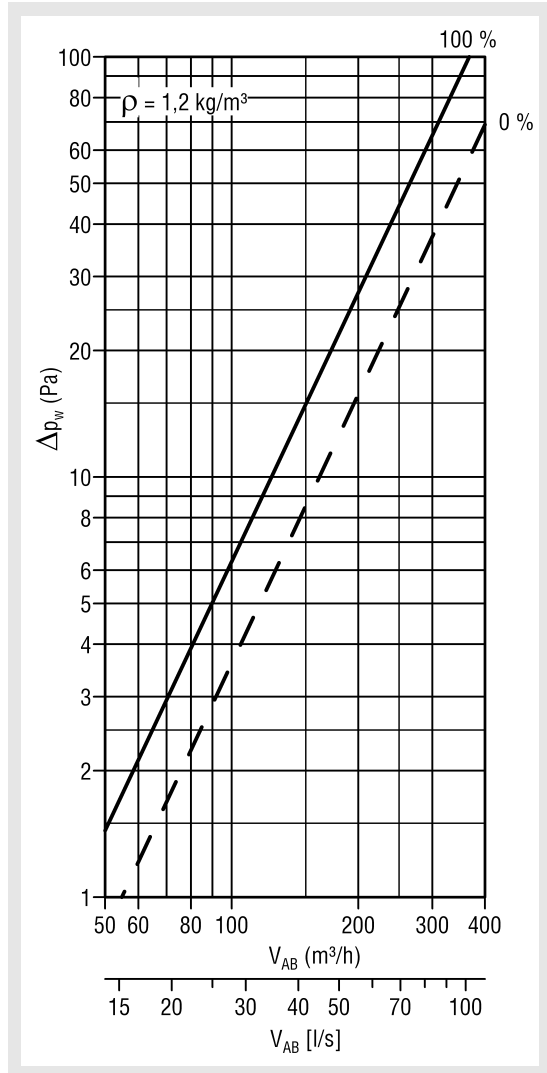
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Volumetric Flow Meter VME

Effective pressure (return air)

Volumetric flow meter VME integrated in the connection piece of the plenum box

VME-A øD=138

VME-A øD=158

Damper position:

100 % = OPEN

0 % = CLOSED

Legend

V_{AB} (m³/h)	=	Return air volume
V_{AB} [l/s]	=	Return air volume
ρ (kg/m³)	=	Density
Δp_W (Pa)	=	Effective pressure

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Volumetric Flow Meter VME

Effective pressure (return air)
Volumetric flow meter VME integrated into the connection piece of the plenum box

VME-A øD=198

VME-A øD=248

Damper position:

100 % = OPEN

0 % = CLOSED

Legend

V_{AB} (m³/h) = Return air volume

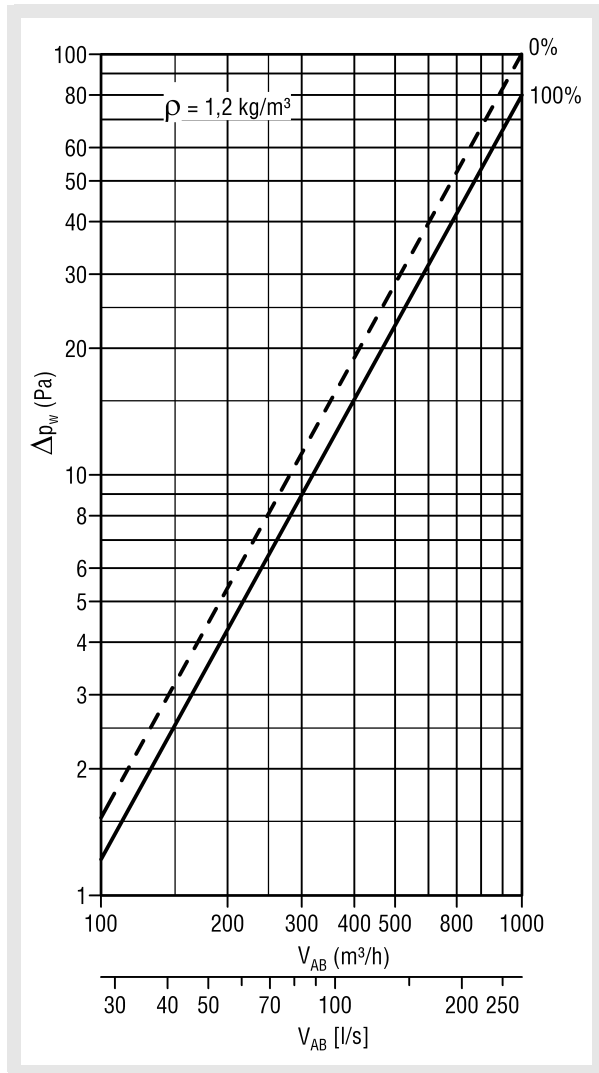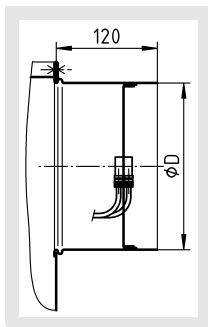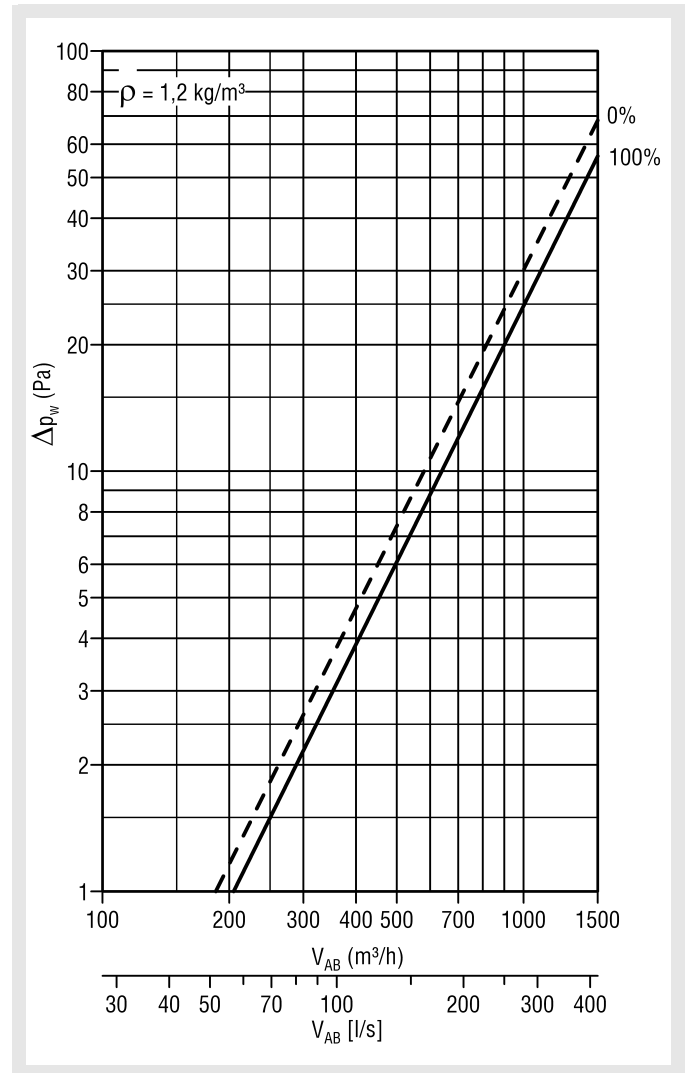V_{AB} [l/s] = Return air volume

ρ (kg/m³) = Density

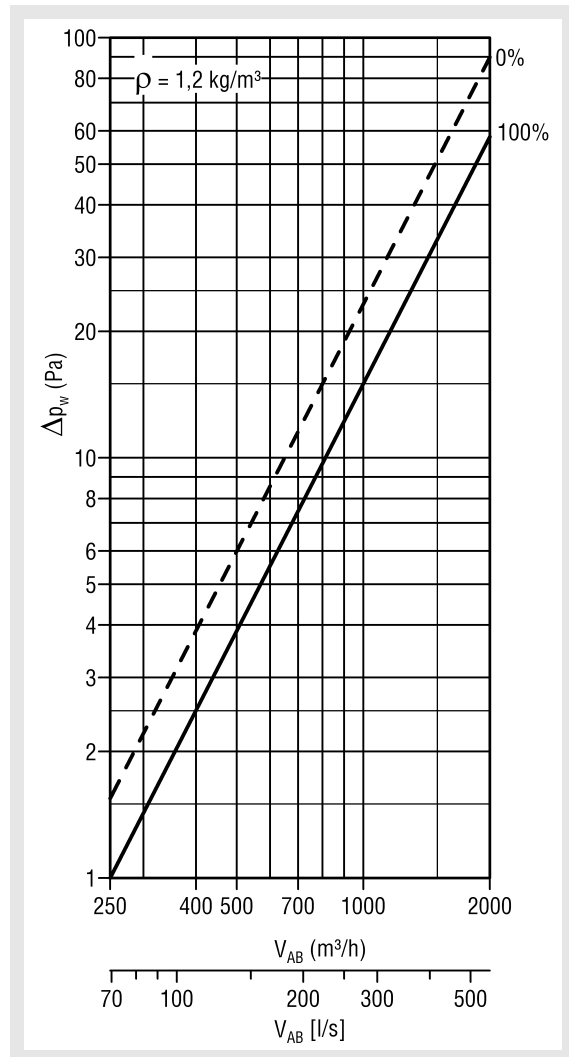Δp_W (Pa) = Effective pressure
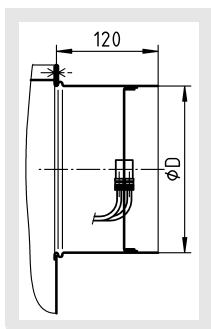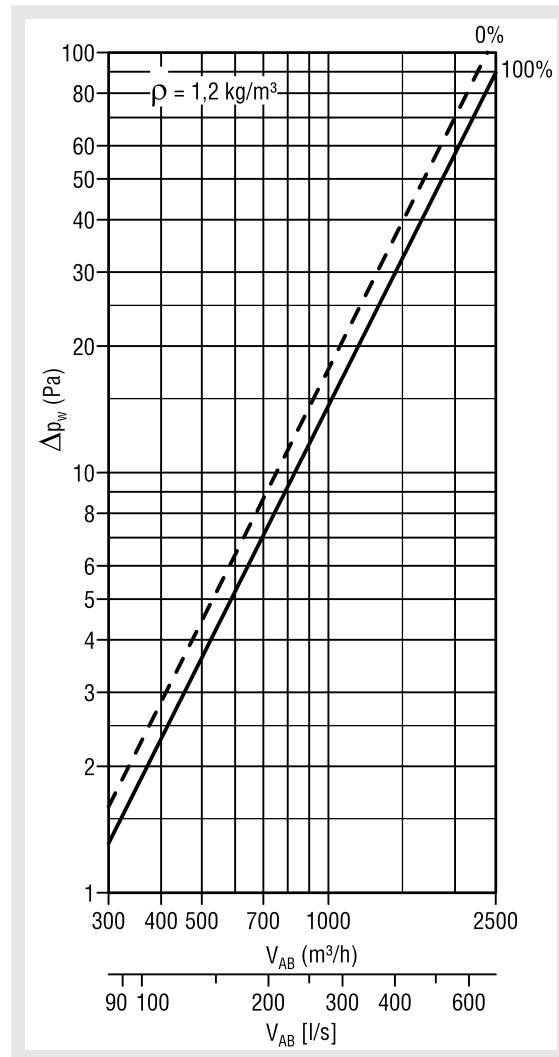
Version: 18.11.2013

Volumetric Flow Meter VME

Effective pressure (return air)

Volumetric flow meter VME integrated in the connection piece of the plenum box

VME-A øD=298

VME-A øD=353

Damper position:

100 % = OPEN

0 % = CLOSED

Legend

V_{AB} (m³/h) = Return air volume

V_{AB} [l/s] = Return air volume

ρ (kg/m³) = Density

Δp_W (Pa) = Effective pressure

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