

Air Distribution Systems „Short-cased“ Flow Rate Controller Types VRE-W and VRF-W

Unit Views



Flow rate controller Type VRE-W

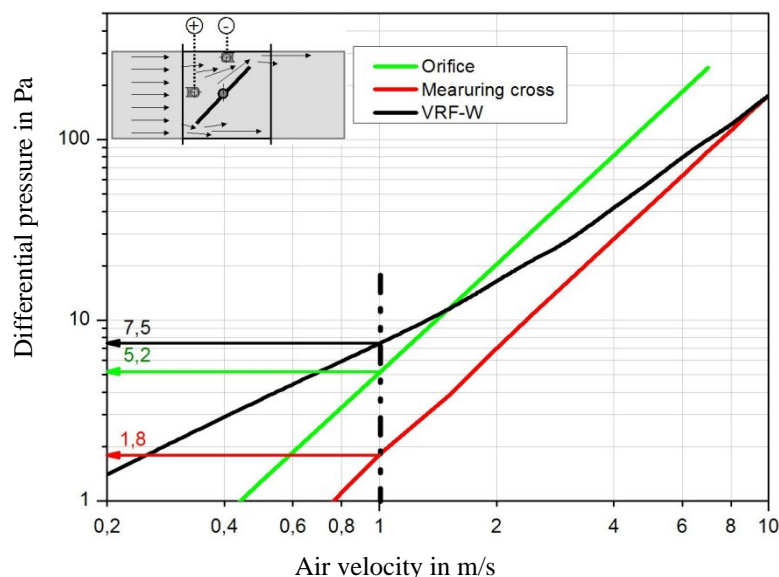


Flow rate controller Type VRF-W

Features

- Very short installation lengths
Housing dimensions VRE-W
L = 195 mm; DN 100 / DN 125
L = 215 mm; DN 160 / DN 200
L = 265 mm; DN 250 / DN 315
L = 325 mm; DN 400
Housing dimensions VRF-W
L=135; H=100; W= 200/300/400/500/600
L=160; H=150; W= 300/400/500/600
L=220; H=200; W= 200/300/400/500/600/800
L=270; H=250; W= 300/400/500/600/800/1000
L=320; H=300; W= 300/400/500/600/800/1000/1200
L=420; H=400; W= 400/500/600/800/1000/1200
- Proven measuring principle, contour map-controlled
- Measuring signal transmission via duct width flow grid
- Short entry duct requirements
- Enhancement of differential pressure signal due to measurement in the accelerated flow area providing a very high degree of measuring precision even with low speeds
- Large control range 1-10 m/s
- Low blade leakage damper with shut-off function
Damper blade leakage up to class 3 (DIN EN 1751)
Casing leakage up to class C (DIN EN 1751)
- Damper blade position indicator outside casing
- Available with Belimo compact controller
Type LMV-DW-MP or LMV-DW-LON
Type NMV-DW-MP or NMV-DW-LON
(Version depending on required torque)

Output comparison of different measuring principles



Example:
Air velocity 1m/s

Differential pressure:
Measuring cross: 1,8Pa
Orifice: 5,2 Pa
VRF-W: 7,5 Pa