

Airflow volume probe

The EXT-AC-.. products are used, in combination with a 22ADP-.. differential pressure sensor, to measure air volumetric flow in round or rectangular air ducts.

Measurements are possible from 2 to 25 m/s.



Type Overview

Type	Accessory use	Probe length	B [mm]	Weight
EXT-AC-R100	for round duct	100 mm	15	0.090 kg
EXT-AC-R125	for round duct	125 mm	15	0.10 kg
EXT-AC-R160	for round duct	160 mm	15	0.12 kg
EXT-AC-R200	for round duct	200 mm	15	0.13 kg
EXT-AC-R250	for round duct	250 mm	25	0.15 kg
EXT-AC-R315	for round duct	315 mm	25	0.18 kg
EXT-AC-R400	for round duct	400 mm	25	0.21 kg
EXT-AC-R500	for round duct	500 mm	25	0.25 kg
EXT-AC-R630	for round duct	630 mm	25	0.31 kg
EXT-AC-L200	for rectangular duct	200 mm	15	0.13 kg
EXT-AC-L250	for rectangular duct	250 mm	25	0.15 kg
EXT-AC-L300	for rectangular duct	300 mm	25	0.17 kg
EXT-AC-L400	for rectangular duct	400 mm	25	0.21 kg
EXT-AC-L500	for rectangular duct	500 mm	25	0.25 kg
EXT-AC-L600	for rectangular duct	600 mm	25	0.30 kg
EXT-AC-L700	for rectangular duct	700 mm	25	0.34 kg

Technical data

Functional data	Medium	Air
Safety data	Fluid temperature	5...95°C [41...203°F]
Materials	Probe material	Aluminium

Installation notes



For rectangular ducts with a height greater than 300 mm, several airflow volume probes must be used.

During commissioning, some settings must be made on the differential pressure sensor 22ADP-.. for correct volumetric flow measurement.

Commissioning with the Belimo Duct Sensor Assistant App or bus communication

- Change fan manufacturer to AirConcepts
- Change k-factor (the k-factor value of the probe can be found in the Installation instructions)
- Adjust the lower and higher volumetric flow value

Accessories

Optional accessories	Description	Type
	Tube 1000 mm for airflow volume probe, Set of 2 pcs.	EXT-AC-2X-1M-TUBE
	T-piece for airflow volume probe, Set of 2 pcs.	EXT-AC-2X-T-PCS444

Dimensions

