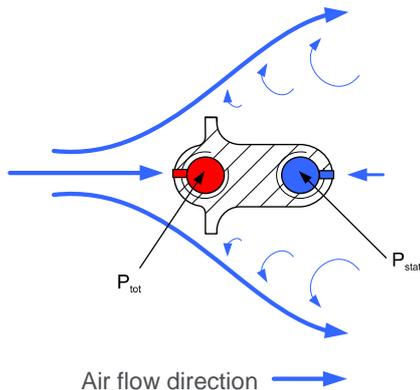


AIR VOLUME PROBES PP-PK AND PP-SK

The PP air flow volume probes are designed for air flow volume measurement together with the IML air volume transmitter, for example. PP probe is also easy to install to the existing ducts.

The probe operates on the pitot tube principle and measures the total (P_{tot}) and static (P_{stat}) pressure components of airflow according to the following figure.



The measurement is done over several measuring points inside the probe. The number of measurement points depends on the duct size and shape. The IML can determine the average air flow volume on the basis of the measurements. The measuring profile shape makes it possible to make accurate measurements from 1.0 m/s air speeds.

The following table illustrates the needed number (1...4) of the probes with rectangular ducts. With round ducts, one probe is always enough.

Duct height	150...300 mm	350...600 mm	700...900 mm	1000...1200 mm
Number of PP-SK probes	1	2	3	4

Ordering guide, round duct air flow volume probes (PP-PK):

Duct diameter	100 mm	125 mm	160 mm	200 mm	250 mm	315 mm	400 mm
Model	PP-PK R100	PP-PK R125	PP-PK R160	PP-PK R200	PP-PK R250	PP-PK R315	PP-PK R400
Product number	1250010	1250020	1250030	1250040	1250050	1250060	1250070

Ordering guide, rectangular duct air flow volume probes (PP-SK):

Duct width	200 mm	250 mm	300 mm	350 mm	400 mm	450 mm	500 mm
Model	PP-SK L200	PP-SK L250	PP-SK L300	PP-SK L350	PP-SK L400	PP-SK L450	PP-SK L500
Product number	1250080	1250090	1250100	1250110	1250120	1250130	1250140

Duct width	550 mm	600 mm	650 mm	700 mm	750 mm	800 mm	850 mm
Model	PP-SK L550	PP-SK L600	PP-SK L650	PP-SK L700	PP-SK L750	PP-SK L800	PP-SK L850
Product number	1250150	1250160	1250170	1250180	1250190	1250200	1250210

Duct width	900 mm	950 mm	1000 mm	1050 mm	1100 mm	1150 mm	1200 mm
Model	PP-SK L900	PP-SK L950	PP-SK L1000	PP-SK L1050	PP-SK L1100	PP-SK L1150	PP-SK L1200
Product number	1250220	1250230	1250240	1250250	1250260	1250270	1250280



Technical data

Operating temperature	5...95 °C
Accuracy (air speed > 1 m/s)	±2 %
Connection	with Ø 6/4 mm hoses