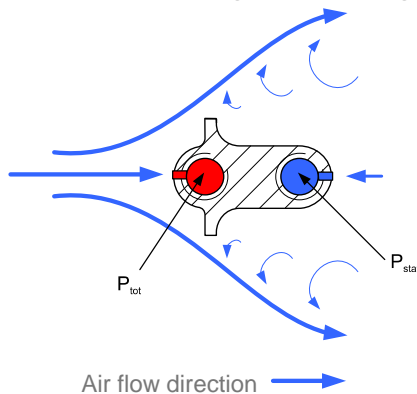


AIR VOLUME PROBES PP-PK AND PP-SK

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 ducts (PP-PK):

Duct diameter	Model	Product number
100 mm	PP-PK R100	1250010
125 mm	PP-PK R125	1250020
160 mm	PP-PK R160	1250030
200 mm	PP-PK R200	1250040
250 mm	PP-PK R250	1250050
300 mm	PP-PK R300	1250059
315 mm	PP-PK R315	1250060
355 mm	PP-PK R355	1250065
400 mm	PP-PK R400	1250070
450 mm	PP-PK R450	1250073
500 mm	PP-PK R500	1250075
550 mm	PP-PK R550	1250076
600 mm	PP-PK R600	1250008
630 mm	PP-PK R630	1250078
700 mm	PP-PK R700	1250077
800 mm	PP-PK R800	1250079
1000 mm	PP-PK R1000	1250009



Technical data

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

Ordering guide, rectangular ducts (PP-SK):

Duct width	Model	Product number
200 mm	PP-SK L200	1250080
250 mm	PP-SK L250	1250090
300 mm	PP-SK L300	1250100
350 mm	PP-SK L350	1250110
400 mm	PP-SK L400	1250120
450 mm	PP-SK L450	1250130
500 mm	PP-SK L500	1250140
550 mm	PP-SK L550	1250150
600 mm	PP-SK L600	1250160
650 mm	PP-SK L650	1250170
700 mm	PP-SK L700	1250180
750 mm	PP-SK L750	1250190
800 mm	PP-SK L800	1250200
850 mm	PP-SK L850	1250210
900 mm	PP-SK L900	1250220
950 mm	PP-SK L950	1250230
1000 mm	PP-SK L1000	1250240
1050 mm	PP-SK L1050	1250250
1100 mm	PP-SK L1100	1250260
1150 mm	PP-SK L1150	1250270
1200 mm	PP-SK L1200	1250280