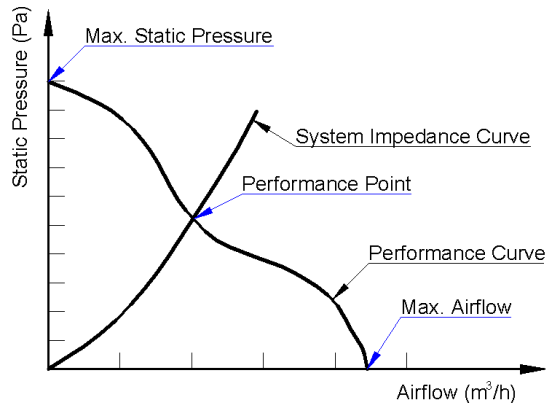


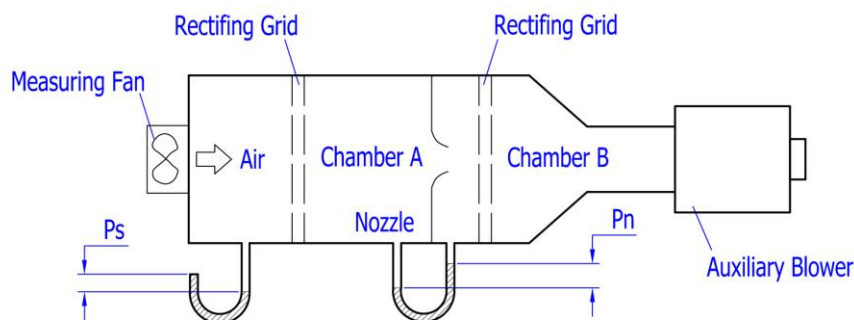
What's Air Flow & What's Static Pressure :



The Performance Point is the point at which the system impedance curve and the air static pressure curve intersect.

The Performance Point equals the air flow (throughout) of the fan when the fan is operating.

How to Measure the Air Flow and the Static Pressure:



The air flow and static pressure is determined in accordance with the AMCA standard or the DIN 24163 specification in a double chamber test with intake-side measurement.

Pilot Tube for Static Pressure

Pilot Tube for Airflow

Air Flow Conversion Chart :

Glossaries :	CMS	CMM	L/S	L/M	CMH	CFS	CFM
	(m³/s)	(m³/m)	(Lt./s)	(Lt./m)	(m³/h)	(ft³/s)	(ft³/m)
CMS : Cubic Meter Per Second	1	60	1K	60k	3.6k	35.3	2.118k
CMM : Cubic Meter Per Minute	0.0167	1	16.7	1k	60	0.588	35.35
CMH : Cubic Meter Per Hour	1mili	0.06	1	60	3.6	0.0353	2.118
L/M : Liter Per Minute	16.7μ	1mili	0.0167	1	0.06	588μ	0.0353
L/S : Liter Per Second	277μ	0.0167	0.277	16.7	1	9.81mili	0.588
CFS : Cubic Feet Per Second	0.0283	1.698	28.3	1.69k	101.9	1	60
CFM : Cubic Feet Per Minute	0.47mili	0.0283	0.472	28.3	1.698	0.167	1

Static Pressure Conversion Chart :

Pa	Bar	Kgf/cm²	Atm	mmH₂O	mmHg (Torr)	Psi
1	0.00001	0.00001	0.00001	0.10197	0.0075	0.00014
100000	1	1.01972	0.9869	10.1972	750.062	14.504
98066.5	0.98067	1	0.9678	10	735.6	14.22
101325	1.01325	1.033	1	10.332	760	14.7
9.8067	0.000098	0.0001	0.0000968	1	0.07356	0.00142
133.322	0.00133	0.00136	0.00132	13.5951	1	0.01934
6894.76	0.06895	0.07031	0.06805	703.07	51.7149	1

Remarks: "mmH₂O" Refers to the state of the water column height of 4°C Celsius, and "mmHg" refers to the state of the water column height of 0°C degrees Celsius.