Skillair® ACTIVE CARBON FILTER

Active carbon filtering systems are the most efficient in the industry as they eliminate all traces of oils, solvents and hydrocarbons, and remove unpleasant odours from the air.
The operating principle is based on active carbon's ability to absorb the majority of the polluting particles in the air thanks to the presence of tiny passages inside the carbon granules.
The incoming air must be filtered (5 μm) and purified (0.01 μm) to increase the duration and efficiency of the cartridge.
The cartridge must be replaced at set intervals since there is no difference in load loss between an efficient cartridge and a saturated one.
N.B. To maintain the same performance and duration specified on the data sheet, the load loss (ΔP) must not exceed 75 mbar.

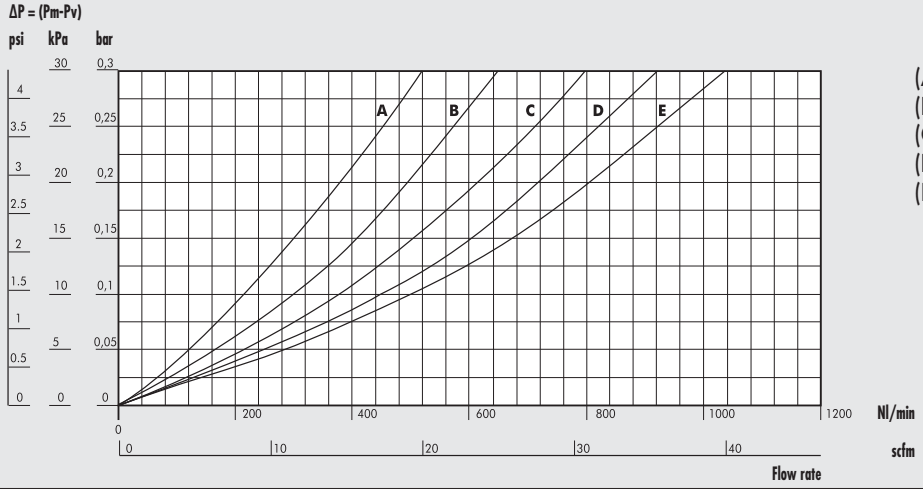


TECHNICAL DATA		AC 100		AC 200			AC 300			AC 400			
Threaded port		1/4″	3/8″	1/4″	3/8″	1/2″	1/2″	3/4″	1″	1″	1 1/4″	1 1/2″	2″
Residual oil at 20°C *	mg/m³	0.003		0.003			0.003			0.003			
Duration of cartridge *	hours	4000		4000			4000			1000			
Max. inlet pressure	MPa	1.5		1.3			1.3			1.3			
	bar	15		13			13			13			
	psi	217		188			188			188			
Max temperature at: 1 MPa; 10 bar; 145 psi	°C	50		50			50			50			
	°F	122		122			122			122			
Weight	kg	0.4		0.9			1.4			4.2			5
Wall fixing screws		M4 x 50		M5 x 60			M5 x 70			M6 x 110			
Mounting position		In any position.											
Fluid		0.01 μm filtred and depurated air.											
Notes on use		Upstream it's necessary to mount a coalescence filter depurator of 0.01 μm.											

* if the load loss of 75 mbar is not exceeded

FLOW CHARTS

AC 100 1/4 - 3/8

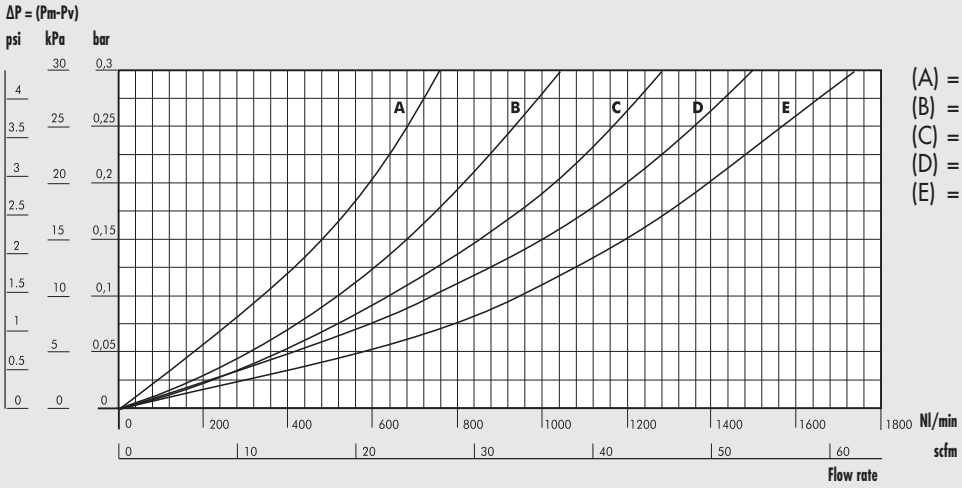


(A) = 2 bar - 0.2 MPa - 29 psi
(B) = 4 bar - 0.4 MPa - 58 psi
(C) = 6 bar - 0.6 MPa - 87 psi
(D) = 8 bar - 0.8 MPa - 116 psi
(E) = 10 bar - 1 MPa - 145 psi

METAL WORK PNEUMATIC

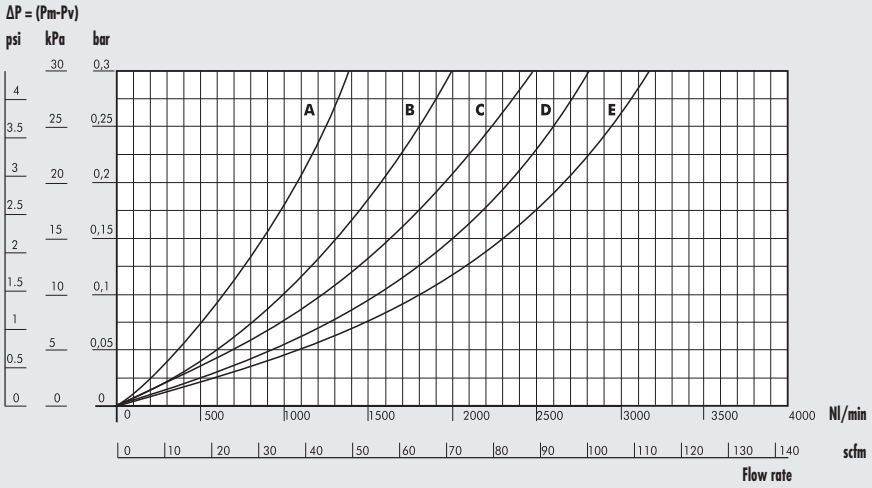
FLOW CHARTS

AC 200 1/4 - 3/8 - 1/2



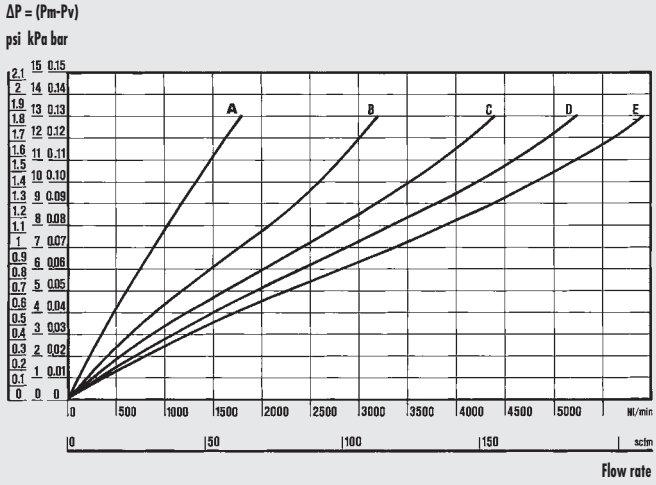
(A) = 2 bar - 0.2 MPa - 29 psi
(B) = 4 bar - 0.4 MPa - 58 psi
(C) = 6 bar - 0.6 MPa - 87 psi
(D) = 8 bar - 0.8 MPa - 116 psi
(E) = 10 bar - 1 MPa - 145 psi

AC 300 1/2 - 3/4 - 1



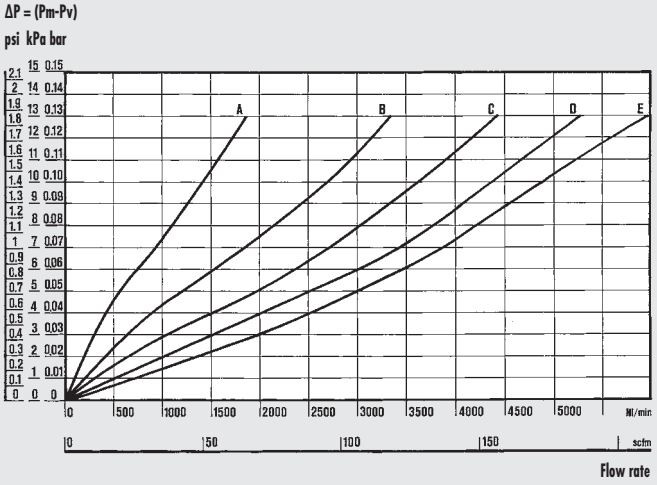
(A) = 2 bar - 0.2 MPa - 29 psi
(B) = 4 bar - 0.4 MPa - 58 psi
(C) = 6 bar - 0.6 MPa - 87 psi
(D) = 8 bar - 0.8 MPa - 116 psi
(E) = 10 bar - 1 MPa - 145 psi

AC 400 1



(A) = 2 bar - 0.2 MPa - 29 psi
(B) = 4 bar - 0.4 MPa - 58 psi
(C) = 6 bar - 0.6 MPa - 87 psi
(D) = 8 bar - 0.8 MPa - 116 psi
(E) = 10 bar - 1 MPa - 145 psi

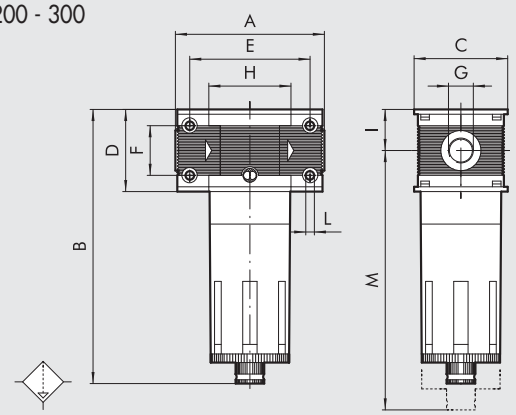
AC 400 2



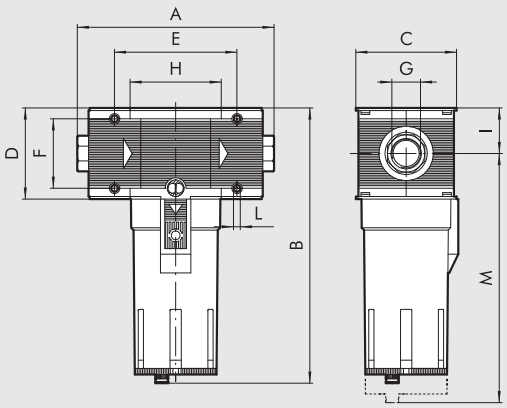
(A) = 2 bar - 0.2 MPa - 29 psi
(B) = 4 bar - 0.4 MPa - 58 psi
(C) = 6 bar - 0.6 MPa - 87 psi
(D) = 8 bar - 0.8 MPa - 116 psi
(E) = 10 bar - 1 MPa - 145 psi

DIMENSIONS

100 - 200 - 300



400



	AC 100		AC 200			AC 300			AC 400			
Threaded port G	1/4″	3/8″	1/4″	3/8″	1/2″	1/2″	3/4″	1″	1″	1 1/4″	1 1/2″	2″
A	78		93.5			110		112	225 to 255			283 to 313
B	144		175			195			320			
C	50		63			72			116			
D	43		55			65			105			
E	63		78.5			92			141.4			
F	26		36			42			80			
H	43		55.5			65			105.4			
I	21.5		27.5			32.5			52.5			
L	M4 hole		M5 hole			M5 hole			M6 hole			
M	137		196			215			378			

SYNOPTIC, SIZES AND VERSIONS

AC	**100**	**1/4**	**RMSA**
ELEMENT	**SIZE**	**THREADED PORT**	**TYPE**
AC = Active carbon	100	1/4 3/8	RMSA
	200	1/4 3/8 1/2	
	300	1/2 3/4 1	
	400	1 1 1/4 1 1/2 2	

RMSA: drain with manual condensate discharge and automatic discharge at zero pressure.

ORDERING CODES

Code	Description
Skillair® 100 ACTIVE CARBON FILTER	
3288003A	FIL AC 100 RMSA without end plates
3288003	FIL AC 100 1/4 RMSA
3388003	FIL AC 100 3/8 RMSA
Skillair® 200 ACTIVE CARBON FILTER	
3488003A	FIL AC 200 RMSA without end plates
3488003	FIL AC 200 1/4 RMSA
3588003	FIL AC 200 3/8 RMSA
3688003	FIL AC 200 1/2 RMSA

Code	Description
Skillair® 300 ACTIVE CARBON FILTER	
4488003A	FIL AC 300 RMSA without end plates
4488003	FIL AC 300 1/2 RMSA
4588003	FIL AC 300 3/4 RMSA
4688003	FIL AC 300 1 RMSA

Code	Description
Skillair® 400 ACTIVE CARBON FILTER	
6188003A	FIL AC 400 RMSA without end plates
6188003	FIL AC 400 1 RMSA
6288003	FIL AC 400 1 1/4 RMSA
6388003	FIL AC 400 1 1/2 RMSA
6488003	FIL AC 400 2 RMSA

Subject to Change