Skillair®
ACTIVE CARBON FILTER

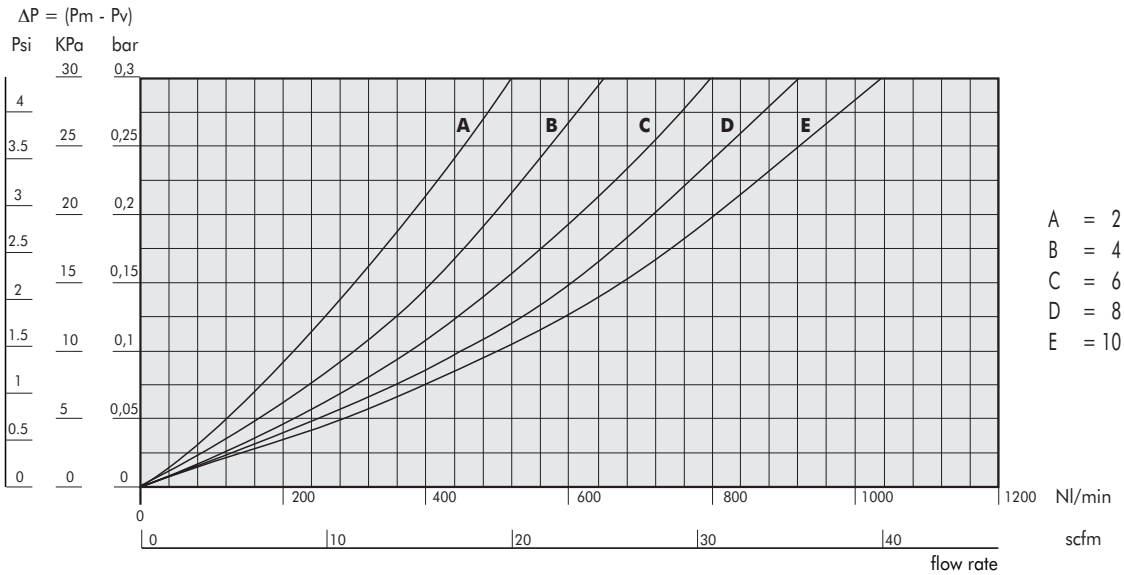
Active carbon filtering systems are the most efficient in the industry as they eliminate all traces of oils, solvents and hydrocarbons, and remove unpleasant odours from the air.
The operating principle is based on active carbon's ability to absorb the majority of the polluting particles in the air thanks 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.

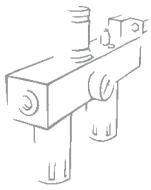
TECHNICAL DATA		AC 100	AC 100	AC 200	AC 200	AC 200	AC 300	AC 300	AC 300
Threaded port		G 1/4	G 3/8	G 1/4	G 3/8	G 1/2	G 1/2	G 3/4	G 1"
Residual oil at 20°C *	mg/m³	0,003							
Duration of cartridge *	Hours	4000							
Max. inlet pressure	MPa	1.5		1.3					
	Bar	15		13					
	psi	217		188					
Fluid		0,01μm filtred and depurated air							
Max temperature at: 1 MPa; 10 bar; 145 psi	°C	50							
	°F	122							
Weight	Kg	0.4		0.9			1.4		
Wall fixing screws		M4 x 50		M5 x 60			M5 x 70		
Mounting position		In any position							
Notes on use		Upstream it's necessary to mount a coalescence filter depurator of 0,01mm.							
* if the load loss of 75 mbar is not exceeded									

FLOW CHARTS

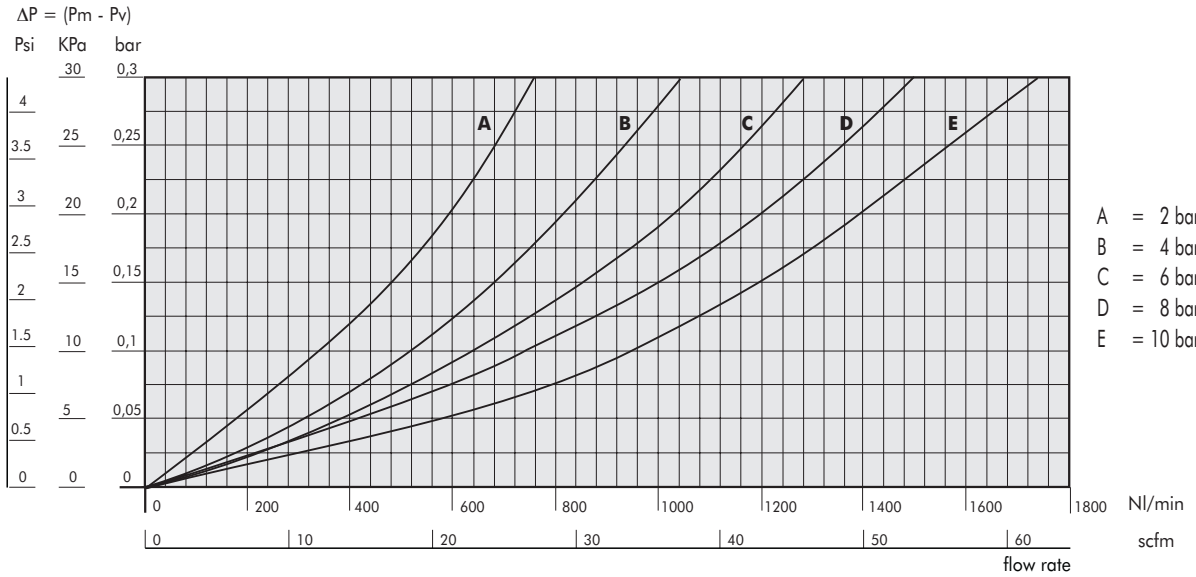
AC 100 1/4 - 3/8



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

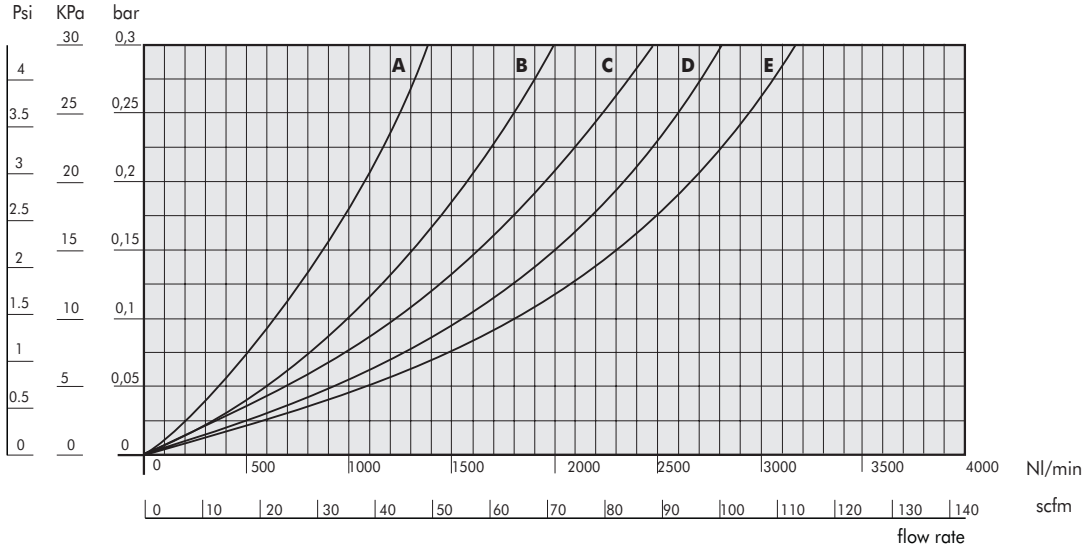


AC 200 1/4 - 3/8 - 1/2



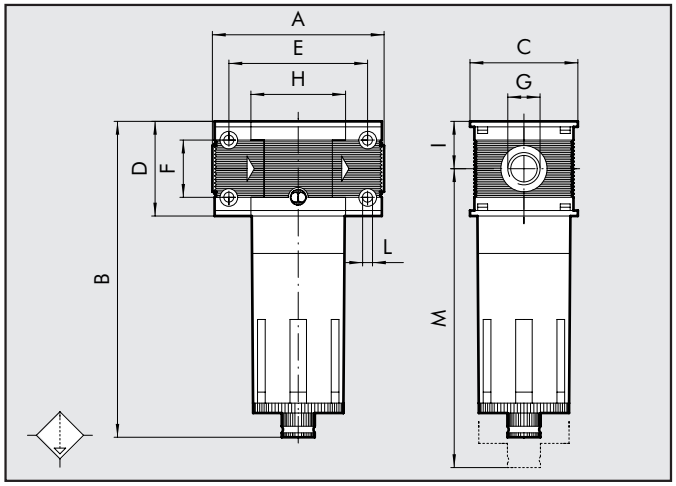
A = 2 bar - 0,2 MPa - 29 psi
B = 4 bar - 0,4 MPa - 58 psi
C = 6 bar - 0,6 MPa - 87 psi
D = 8 bar - 0,8 MPa - 116 psi
E = 10 bar - 1 MPa - 145 psi

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

DIMENSIONS



	AC 100	AC 100	AC 200	AC 200	AC 200	AC 300	AC 300	AC 300
Th. p.	G 1/4	G 3/8	G1/4	G 3/8	G 1/2	G 1/2	G 3/4	G 1"
A	78		93.5			110		112
B	144		175			195		
C	50		63			72		
D	43		55			65		
E	63		78.5			92		
F	26		36			42		
G	G 1/4	G 3/8	G 1/4	G 3/8	G 1/2	G 1/2	G 3/4	G 1"
H	43		55.5			65		
I	21.5		27.5			32.5		
L	M4 hole		M5 hole			M5 hole		
M	137		196			215		

Skillair® 400
ACTIVE CARBON FILTER

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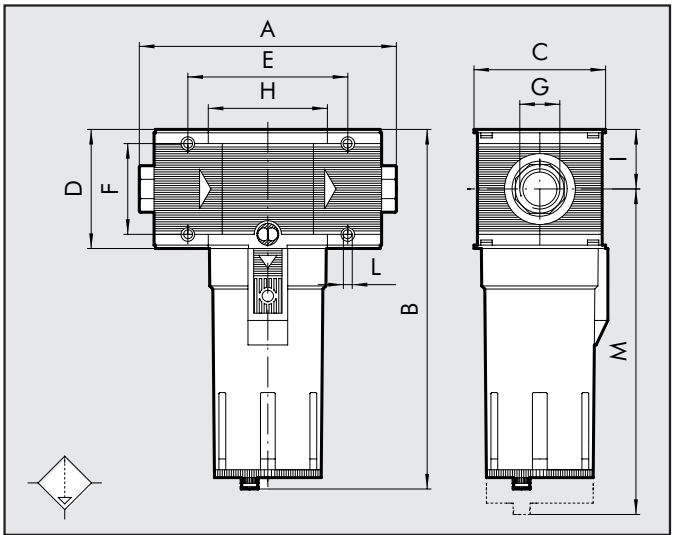
The incoming air must be filtered (5 μm) and purified (0.01 μm) to increase the duration and efficiency of the cartridge.
The cartridge must be replaced at set intervals since there is no difference in load loss between an efficient cartridge and a saturated one.

N.B. To maintain the same performance and duration specified on the data sheet, the load loss (ΔP) must not exceed 75 mbar.

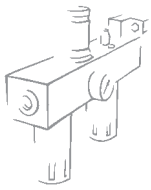
TECHNICAL DATA		AC 400			
Threaded port		G 1"	G 1"1/4	G 1"1/2	G 2"
Residual oil at 20°C *	mg/m³	0,003			
Duration of cartridge *	Hours	1000			
Max. inlet pressure	MPa	1.3			
	Bar	13			
	psi	188			
Fluid		0,01μm filtred and depurated air			
Max temperature at: 1 MPa; 10 bar; 145 psi	°C	50			
	°F	122			
Weight	Kg	4.2			5
Wall fixing screws		M6x110			
Mounting position		In any position			
Notes on use		Upstream it's necessary to mount a coalescence filter depurator of 0,01mm.			
		Series 400 end plates come with a patented system with a rotary sliding end joint to allow the unit to be adapted to the pipe cutting distance.			

* if the load loss of 75 mbar is not exceeded

DIMENSIONS

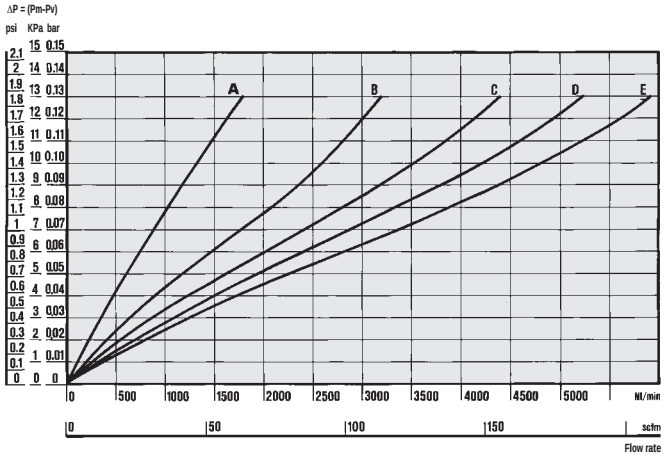


	AC 400	AC 400	AC 400	AC 400
Threaded port	G 1"	G 1"1/4	G 1"1/2	G 2"
A	225÷255			283÷313
B	320			
C	116			
D	105			
E	141.4			
F	80			
G	G 1"	G 1"1/4	G 1"1/2	G 2"
H	105.4			
I	52.5			
L	M6 hole			
M	378			



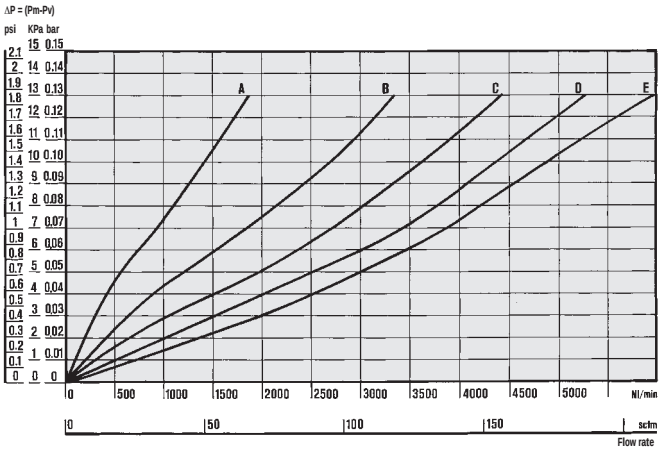
FLOW CHARTS

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

KEY TO CODES

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	

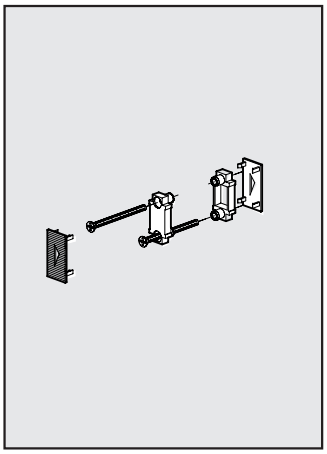
RMSA: Manual/semi-auto drain.

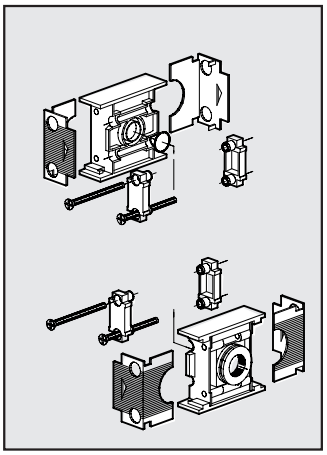
ORDERING CODES

Code	Description
SKILLAIR 100 ACTIVE CARBON FILTER	
3288003A	FIL AC 100 RMSA WITHOUT END PLATES
3288003	FIL AC 100 1/4 RMSA
3388003	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

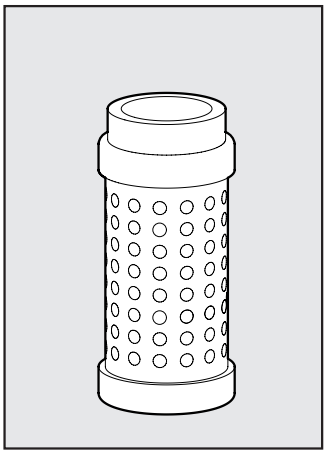
Code	Description
SKILLAIR 300 ACTIVE CARBON FILTER	
4488003A	FIL AC 300 RMSA WITHOUT END PLATES
4488003	FIL AC 300 1/2 RMSA
4588003	FIL AC 300 3/4 RMSA
4688003	FIL AC 300 1 RMSA
SKILLAIR 400 ACTIVE CARBON FILTER	
6188003A	FIL AC 400 RMSA WITHOUT END PLATES
6188003	FIL AC 400 1 RMSA
6288003	FIL AC 400 1 1/4 RMSA
6388003	FIL AC 400 1 1/2 RMSA
6488003	FIL AC 400 2 RMSA

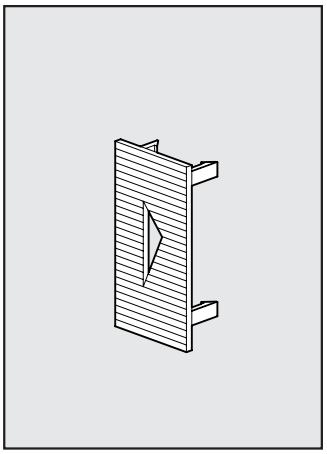
ACCESSORIES

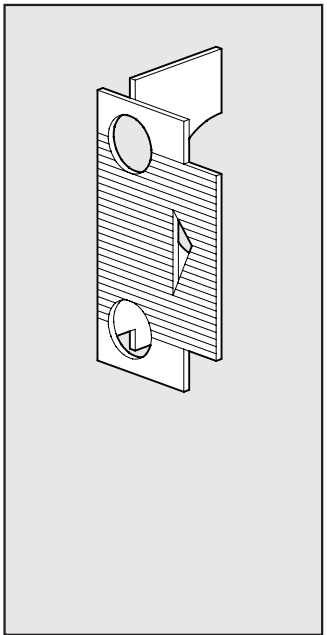
CONNECTOR KIT FOR SKILLAR CODE "A"	Code	Description
	9230301	ACC. CONNECTOR KIT 100
	9330301	ACC. CONNECTOR KIT 200
	9430301	ACC. CONNECTOR KIT 300
	9630301	ACC. CONNECTOR KIT 400

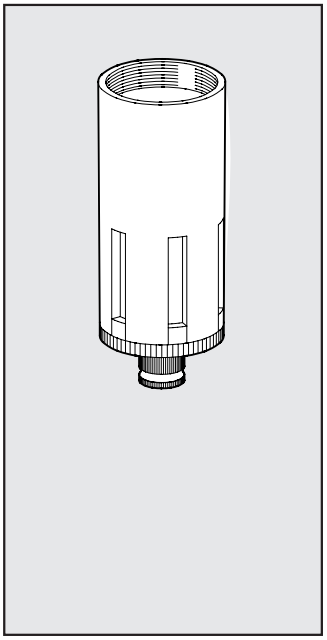
INPUT/OUTPUT END PLATE KIT	Code	Description
	9230401	ACC. IN/OUT END PLATE KIT 100 1/4
	9330501	ACC. IN/OUT END PLATE KIT 100 3/8
	9330601	ACC. IN/OUT END PLATE KIT 200 1/4
	9330701	ACC. IN/OUT END PLATE KIT 200 3/8
	9330801	ACC. IN/OUT END PLATE KIT 200 1/2
	9430701	ACC. IN/OUT END PLATE KIT 300 1/2
	9530901	ACC. IN/OUT END PLATE KIT 300 3/4
	9531001	ACC. IN/OUT END PLATE KIT 300 1"
	9631001	ACC. IN/OUT END PLATE KIT 400 1"
	9631101	ACC. IN/OUT END PLATE KIT 400 1"1/4"
	9631201	ACC. IN/OUT END PLATE KIT 400 1"1/2"
	9631301	ACC. IN/OUT END PLATE KIT 400 2"

SPARES

CARTRIDGE AC	Code	Description
	9251713	SPARES CARTRIDGE 100 AC
	9351713	SPARES CARTRIDGE 200 AC
	9451713	SPARES CARTRIDGE 300 AC
	9651712	SPARES CARTRIDGE 400 AC

INTERMEDIATE COVER PLATE	Code	Description
	9152107	SPARES INTERMEDIATE COVER PLATE 100
	9152114	SPARES INTERMEDIATE COVER PLATE 200
	9152108	SPARES INTERMEDIATE COVER PLATE 300
	9152117	SPARES INTERMEDIATE COVER PLATE 400

INPUT/OUTPUT COVER PLATE	Code	Description
	9152103	SPARES OUTPUT COVER PLATE 100
	9152105	SPARES INPUT COVER PLATE 100
	9152115	SPARES OUTPUT COVER PLATE 200
	9152116	SPARES INPUT COVER PLATE 200
	9152104	SPARES OUTPUT COVER PLATE 300
	9152106	SPARES INPUT COVER PLATE 300
	9152118	SPARES OUTPUT COVER PLATE 400
	9152119	SPARES INPUT COVER PLATE 400

FILTER BOWL	Code	Description
	9253301	SPARES TF 100 RMSA
	9353301	SPARES TF 200 RMSA
	9453301	SPARES TF 300 RMSA
	9653301	SPARES TF 400 RMSA