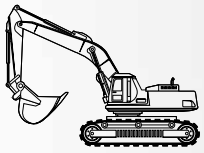
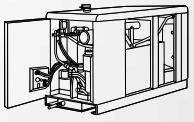
Europiclon
The flexible all-rounder

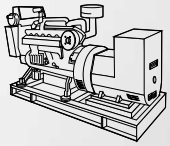
The Europiclon from MANN+HUMMEL is a variable modular system with an extensive range of accessories. These characteristics have made the successful Europiclon a proven intake air cleaner for all machines and devices which are used in environments with medium to high dust loads.











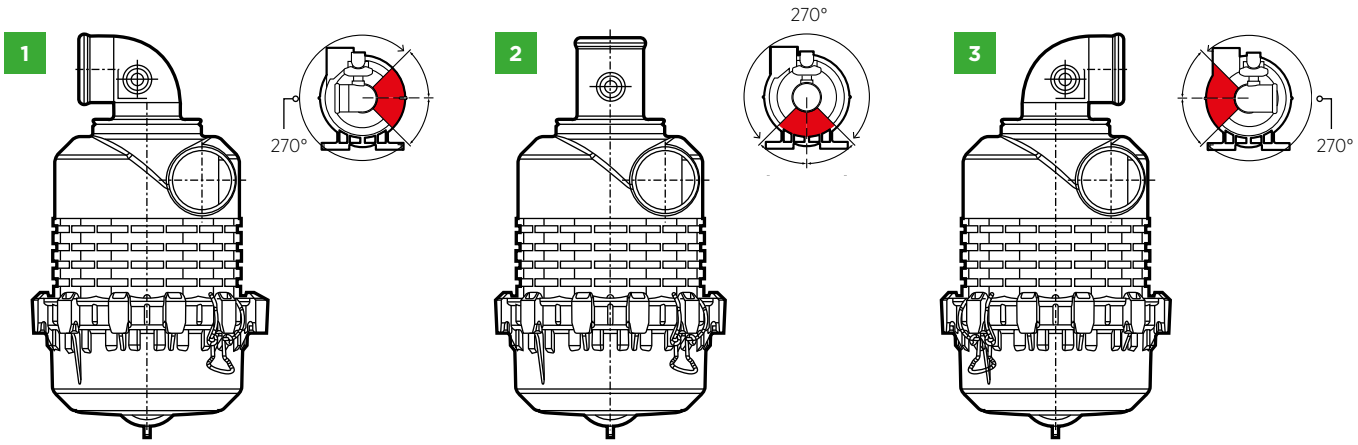
ADVANTAGES

- Long service life through integrated pre-separation
- Corrosion-free housing made from plastic
- Cr(VI)-free components
- Environmentally-friendly and economical disposal through filter elements which are metal-free and fully incinerable
- Flexible adaptation through separate bracket
- Standard wire clamp fasteners for easy change of filter elements without need for tools

EUROPICLON 50

- Rotatable clean air outlet with integrated connection for service indicator or switch
- Clean air outlet either as straight version or with a 90 degree elbow

Europiclon 50 Specifications



PART NUMBERS

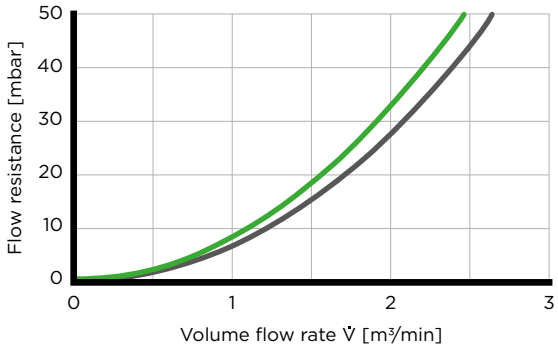
Model	Nominal flow rate [m³/min]	Version with clean air outlet	Version with dust discharge	Part number		Replacement filter element		Weight [kg]
				without secondary element	with secondary element	Main element	Secondary element	
Europiclon 50	0.8–2	1	5	45 058 92 910	45 058 92 911	C 10 050	CF 50	0.7
		1	4	45 058 92 920	45 058 92 921			
		2	5	45 050 92 910	45 050 92 911			
		2	4	45 050 92 920	45 050 92 921			
		3	5	45 059 92 910	45 059 92 911			
		3	4	45 059 92 920	45 059 92 921			

* Avoid the red area during installation.

Europiclon 50
Flow characteristics

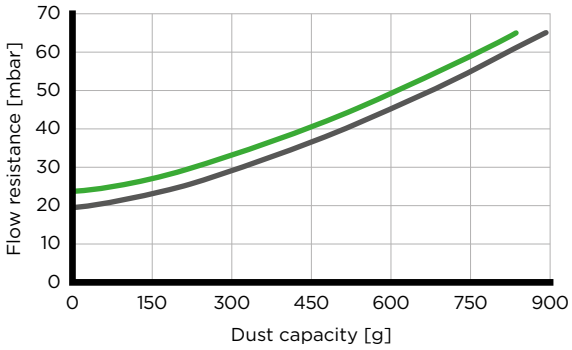
Europiclon 50 with straight connection

Flow rate



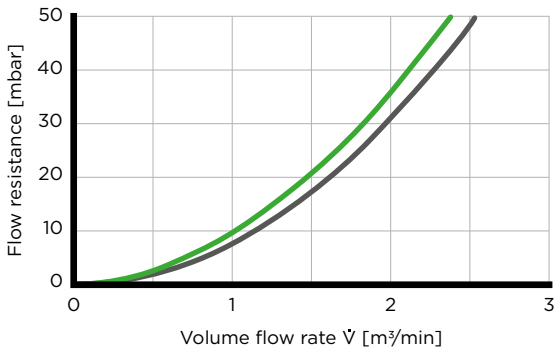
Europiclon 50 with straight connection

Dust capacity



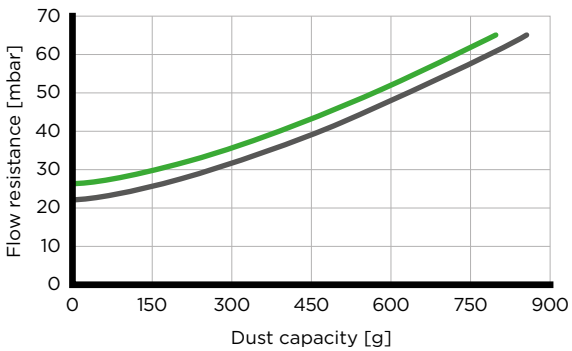
Europiclon 50 with 90 degree elbow

Flow rate



Europiclon 50 with 90 degree elbow

Dust capacity



With secondary element **Without secondary element**

Data with scavenging on request.
Flow characteristics measured according to ISO 5011 with ISO coarse at nominal flow rates according to the specifications.

Europiclon 100–600 Part numbers und specifications

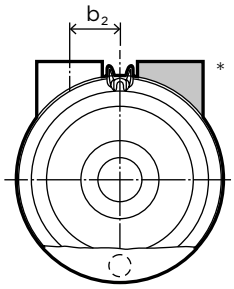
PART NUMBERS

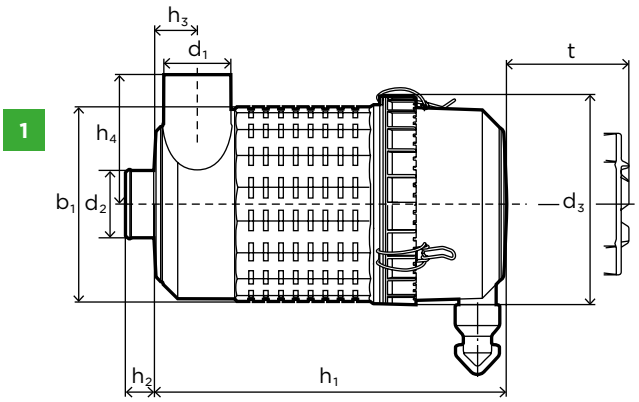
Model	Nominal flow rate [m³/min]	Figure	Part number		Replacement filter element		Weight [kg]
			without secondary element	with secondary element	Main element	Secondary element	
Europiclon 100	1 - 3	1 3	45 100 92 910 45 100 92 940	45 100 92 911 45 100 92 941	C 11 100	CF 100	0.9
Europiclon 200	2 - 4.5	1 2 3	45 200 92 910 45 200 92 920 45 200 92 940	45 200 92 911 45 200 92 921 45 200 92 941	C 14 200	CF 200	1.7
Europiclon 300	3 - 6	1 2 3	45 300 92 910 45 300 92 920 45 300 92 940	45 300 92 911 45 300 92 921 45 300 92 941	C 15 300	CF 300	2.1
Europiclon 400	4 - 8	1 2 3	45 400 92 910 45 400 92 920 45 400 92 940	45 400 92 911 45 400 92 921 45 400 92 941	C 16 400	CF 400	3.0
Europiclon 500	6 - 12	1 2 3	45 500 92 910 45 500 92 920 45 500 92 940	45 500 92 911 45 500 92 921 45 500 92 941	C 20 500	CF 500	3.8
Europiclon 600	7.5 - 15	1 2 3	45 600 92 910 45 600 92 920 45 600 92 940	45 600 92 911 45 600 92 921 45 600 92 941	C 23 610	CF 610	5.0

SPECIFICATIONS

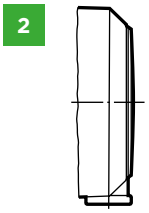
Model	Housing material	Dust discharge connection diameter	Tightening torque		Operating temperature		Discharge valve orientation (downwards)
			Hose clamp (clean side)	Screw connection with separate bracket	Continuous	Short-term	
Europiclon	PP-T 20	40 mm *(1.57 inches)*	ca. 3-5 Nm	15 Nm	-40 °C to +80 °C	+100 °C	±15°

Europiclon 100–600
Specifications

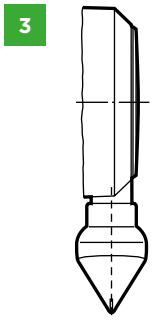




Dust discharge with small valve



Dust discharge with diaphragm valve



Dust discharge with large valve

DIMENSIONS

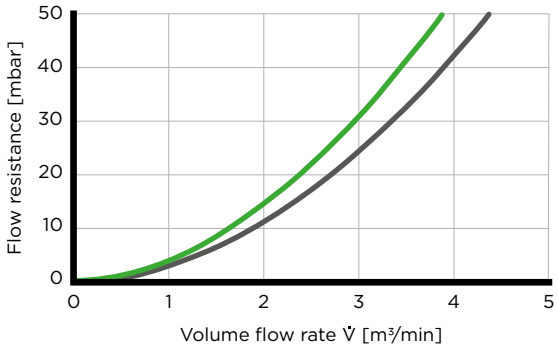
Model	Figure	Dimensions in mm *(dimensions in inches)*									
		b_1	**b_2**	**d_1**	**d_2**	**d_3**	**h_1**	**h_2**	**h_3**	**h_4**	**t**
Europiclon 100	1 3	158 *(6.22)*	45 *(1.77)*	54 *(2.12)*	50 *(1.97)*	185 *(7.28)*	260 *(10.24)*	27 *(1.06)*	38 *(1.50)*	104 *(4.09)*	232 *(9.13)*
Europiclon 200	1 2 3	173 *(6.81)*	48 *(1.89)*	62 *(2.44)*	60 *(2.36)*	198 *(7.80)*	327 *(12.87)*	27 *(1.06)*	42 *(1.65)*	112 *(4.41)*	304 *(11.97)*
Europiclon 300	1 2 3	203 *(7.99)*	59 *(2.32)*	70 *(2.76)*	70 *(2.76)*	228 *(8.98)*	367 *(14.45)*	30 *(1.18)*	45 *(1.77)*	135 *(5.32)*	344 *(13.54)*
Europiclon 400	1 2 3	223 *(8.78)*	63 *(2.48)*	82 *(3.23)*	80 *(3.15)*	248 *(9.76)*	383 (15.08)	32 *(1.26)*	52 *(2.05)*	144 *(5.67)*	359 *(14.13)*
Europiclon 500	1 2 3	264 *(10.39)*	73 *(2.87)*	102 *(4.02)*	100 *(3.94)*	288 *(11.34)*	408 *(16.06)*	37 *(1.46)*	62 *(2.44)*	174 *(6.85)*	384 *(15.12)*
Europiclon 600	1 2 3	295 *(11.61)*	87 *(3.43)*	110 *(4.33)*	110 *(4.33)*	323 *(12.72)*	414 *(16.30)*	27 *(1.06)*	65 *(2.56)*	190 *(7.48)*	384 *(15.12)*

* Mirror image version of the raw air inlet available on request.

Europiclon 100–600
Flow characteristics

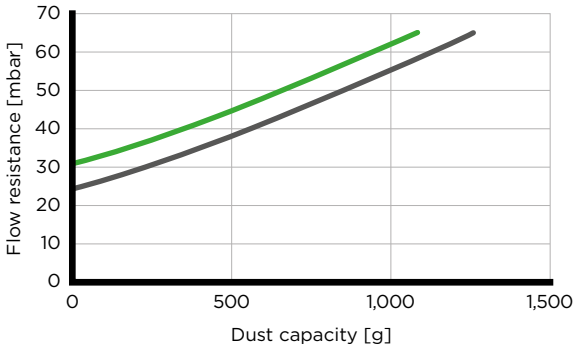
Europiclon 100

Flow rate



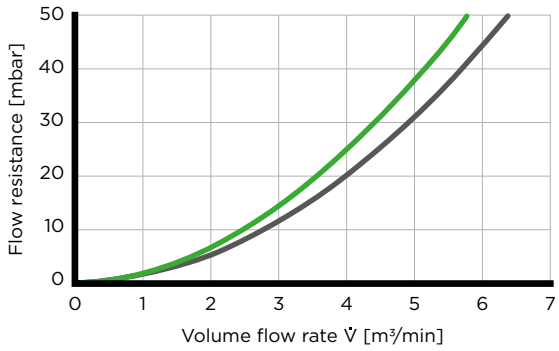
Europiclon 100

Dust capacity



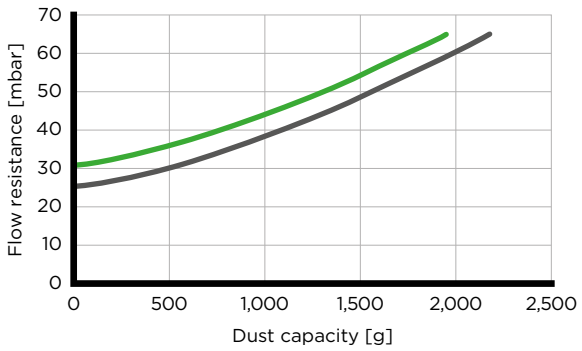
Europiclon 200

Flow rate



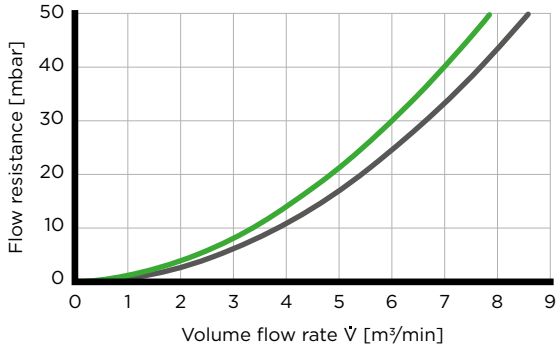
Europiclon 200

Dust capacity



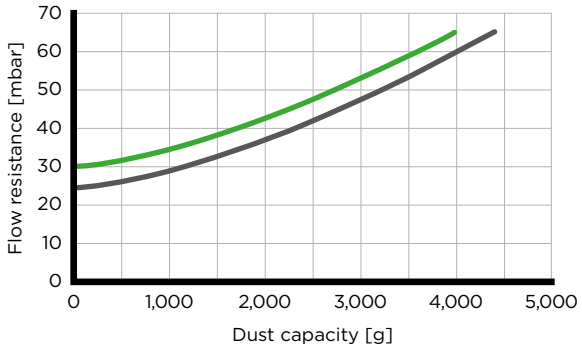
Europiclon 300

Flow rate



Europiclon 300

Dust capacity



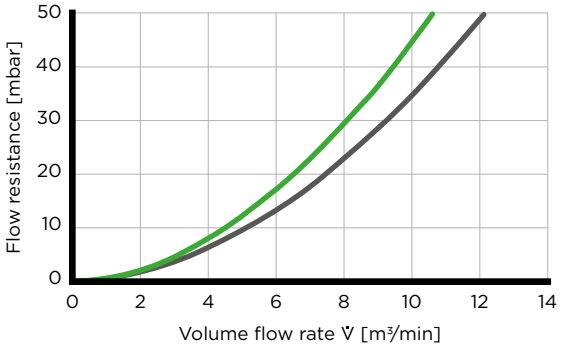
With secondary element **Without secondary element**

Data with scavenging on request.
Flow characteristics measured according to ISO 5011 with ISO coarse at nominal flow rates according to the specifications.

Europiclon 100–600
Flow characteristics

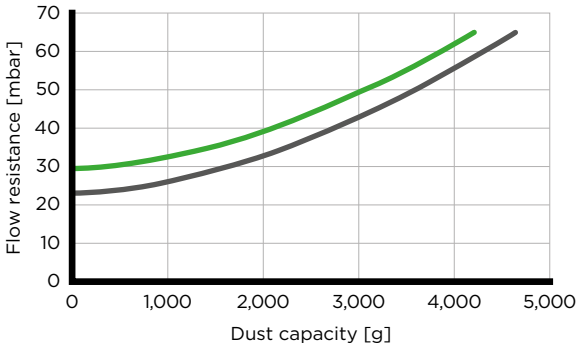
Europiclon 400

Flow rate



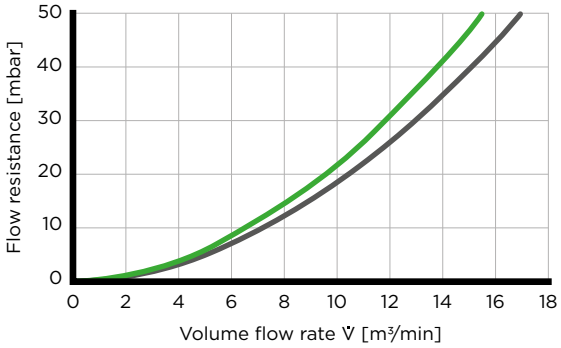
Europiclon 400

Dust capacity



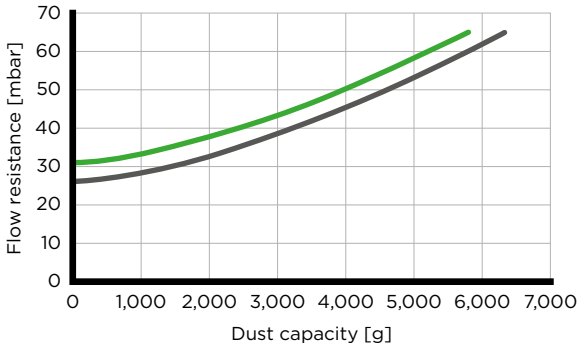
Europiclon 500

Flow rate



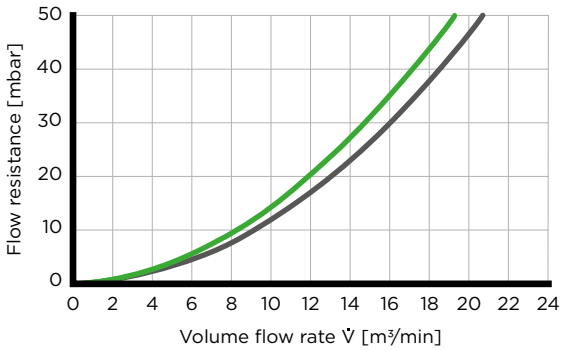
Europiclon 500

Dust capacity



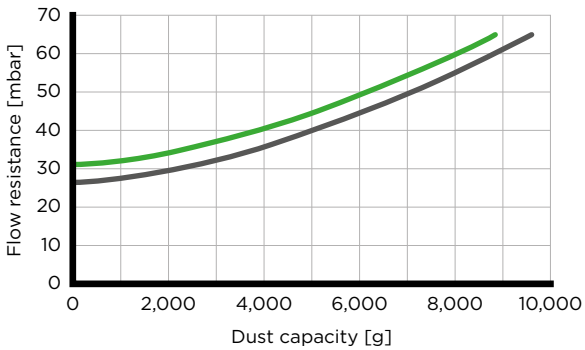
Europiclon 600

Flow rate



Europiclon 600

Dust capacity



With secondary element **Without secondary element**

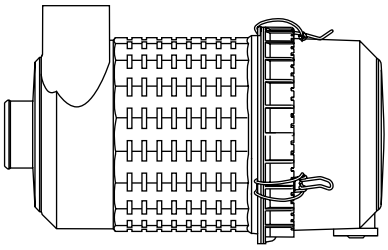
Data with scavenging on request.
Flow characteristics measured according to ISO 5011 with ISO coarse at nominal flow rates according to the specifications.

Europiclon
Special versions

EUROPICLON WITH DUST COLLECTOR (SIZES 300 TO 600)

The Europiclon with dust collector is particularly suitable for applications where contamination of the ambient air through dust discharge is to be avoided. For example, this could be a machine in a production area. For these conditions the lower part of the Europiclon housing is equipped with a dust collector and tightly sealed to the environment.

The functionality of the pre-separation process remains uncompromised. The dust is reliably separated into the dust collector and manually emptied from time to time. The service interval depends on the operating conditions.



PART NUMBERS

Model	Nominal flow rate [m³/min]	Part number		Replacement filter element	
		without secondary element	with secondary element	Main element	Secondary element
Europiclon 300	3–6	45 300 92 950	45 300 92 951	C 15 300	CF 300
Europiclon 400	4–8	45 400 92 950	45 400 92 951	C 16 400	CF 400
Europiclon 500	6–12	45 500 92 950	45 500 92 951	C 20 500	CF 500
Europiclon 600	7.5–15	45 600 92 950	45 600 92 951	C 23 610	CF 610

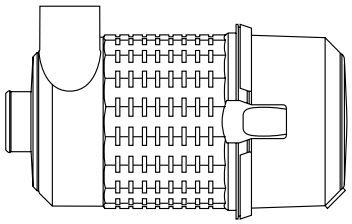
Dimensions are identical for air cleaner types 920/921, see pages 94/95.
Flow characteristics available on request.

Europiclon
Special versions

EUROPICLON FOR VACUUM APPLICATIONS (SIZES 100 TO 600)

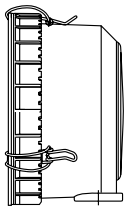
Specially modified air cleaners are available for use with vacuum applications. An additional molded gasket seals the filter. Typical applications are vacuum lifting devices and other negative pressure systems. The pressure tightness is approximately 950 mbar (valid for an ambient temperature of +21 °C).

1



Cover with snap fasteners (only 44 180 ...)

2



Cover with wire clamps (45 280 ... to 45 680 ...)

PART NUMBERS

Model	Nominal flow rate [m³/min]	Figure	Part number	Replacement filter element
			without secondary element	Main element
Europiclon 100	1–3	1	44 180 92 960	C 11 100
Europiclon 200	2–4.5	2	45 280 92 960	C 14 200
Europiclon 300	3–6	2	45 380 92 960	C 15 300
Europiclon 400	4–8	2	45 480 92 960	C 16 400
Europiclon 500	6–12	2	45 580 92 960	C 20 500
Europiclon 600	7.5–15	2	45 680 92 960	C 23 610

Dimensions are identical for air cleaner types 920/921, see pages 94/95.
Flow characteristics available on request.

Europiclon
Spare parts



SPARE PARTS

Model	Replacement part number		
	Small/large valve not fitted	Diaphragm valve fitted	Plug fitted
Europiclon 100	45 100 17 997	–	–
Europiclon 200	45 200 17 997	45 200 17 977	45 200 17 937
Europiclon 300	45 300 17 997	45 300 17 977	45 300 17 937
Europiclon 400	45 400 17 997	45 400 17 977	45 400 17 937
Europiclon 500	45 500 17 997	45 500 17 977	45 500 17 937
Europiclon 600	45 600 17 997	45 600 17 977	45 600 17 937

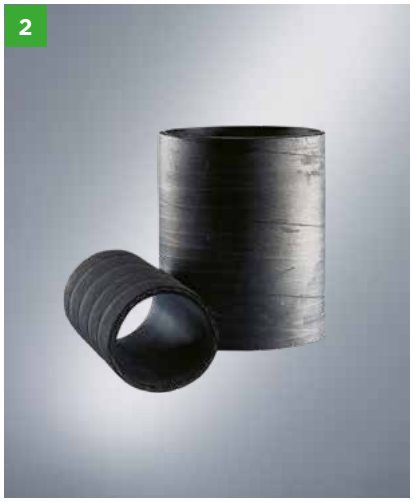
DUST DISCHARGE VALVES

Suitable for Europiclon	Part number	Name
45 x00 92 920/921	23 040 30 111	Diaphragm valve
45 x00 92 910/911	39 000 40 391	Dust discharge valve small
44 100 92 940/941	39 000 40 661	Dust discharge valve large/angled
45 x00 92 940/941	39 000 40 102	Dust discharge valve large/straight

x = 1 to 6

Europiclon Accessories







ACCESSORIES

Model	Rain cap (Page 134)	Straight connection (Page 139)		90 degree elbow (Page 138)	
	Design A [1] Figure 1	Without connection [2] Figure 2	With connection [2] Figure 2	Without connection [2] Figure 3	With connection [2] Figure 3
Europiclon 50	39 014 67 910	–	–	–	–
Europiclon 100	39 020 67 910	39 100 27 999	39 100 27 979	39 100 25 999	39 100 25 979
Europiclon 200	39 028 67 910	39 200 27 999	39 200 27 979	39 200 25 999	39 200 25 979
Europiclon 300	39 040 67 910	39 300 27 999	39 300 27 979	39 300 25 999	39 300 25 979
Europiclon 400	39 056 67 910	39 400 27 999	39 400 27 979	39 400 25 999	39 400 25 979
Europiclon 500	39 080 67 910	39 500 27 999	39 500 27 979	39 500 25 999	39 500 25 979
Europiclon 600	39 100 67 910	39 600 27 999	39 600 27 979	39 600 25 999	39 600 25 979

1) Design B possible as alternative (see page 135).
2) For service indicator/switch

NOTE
The complete range of accessories for our air cleaners can be found starting on page 132.

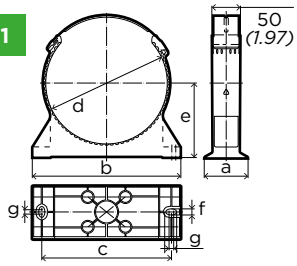
Europiclon
Accessories (brackets)



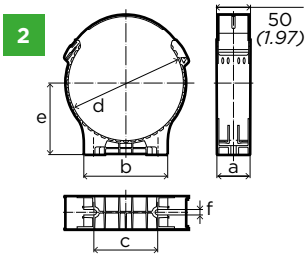
ADVANTAGES

- Flexible installation through many different positions on circumference
- Two possible snap-in positions in axial direction
- Special polygon design ensures secure fitting in the bracket
- Brackets specially designed for the external surface of the Europiclon housing
- Vibration-free mounting of the air cleaner

1



2



PART NUMBERS AND DIMENSIONS

Suitable for Europiclon	Part number	Figure	Dimensions in mm *(dimensions in inches)*						
			a	b	c	d	e	f	g
45 05x 92 ...	39 050 40 959	2	40 *(1.57)*	137 *(5.39)*	116 *(4.57)*	122 *(4.80)*	85.7 *(3.37)*	9 *(0.35)*	–
45 100 92 ...	39 100 40 999	1	60 *(2.36)*	205 *(8.07)*	175 *(6.89)*	156 *(6.14)*	105 *(4.13)*	8.5 *(0.33)*	15.5 *(0.61)*
45 200 92 ...	39 200 40 999	1	80 *(3.15)*	220 *(8.66)*	190 *(7.48)*	171 *(6.73)*	110 *(4.33)*	8.5 *(0.33)*	15.5 *(0.61)*
45 300 92 ...	39 300 40 999	1	80 *(3.15)*	250 *(9.84)*	220 *(8.66)*	201 *(7.91)*	125 *(4.92)*	8.5 *(0.33)*	15.5 *(0.61)*
45 400 92 ...	39 400 40 999	1	80 *(3.15)*	270 *(10.63)*	240 *(9.45)*	221 *(8.70)*	135 *(5.32)*	8.5 *(0.33)*	15.5 *(0.61)*
45 500 92 ...	39 500 40 999	1	80 *(3.15)*	310 *(12.20)*	280 *(11.02)*	260 *(10.24)*	155 *(6.10)*	8.5 *(0.33)*	15.5 *(0.61)*
45 600 92 ...	39 600 40 999	1	80 *(3.15)*	345 *(13.58)*	*315 (12.40)*	*296 (11.65)*	173 *(6.81)*	8.5 *(0.33)*	15.5 *(0.61)*
45 100 92 ...	39 100 40 989	2	50 *(1.97)*	110 *(4.33)*	80 *(3.15)*	156 *(6.14)*	100 *(3.94)*	8.5 *(0.33)*	–
45 200 92 ...	39 200 40 989	2	50 *(1.97)*	125 *(4.92)*	95 *(3.74)*	171 *(6.73)*	106 *(4.17)*	8.5 *(0.33)*	–
45 300 92 ...	39 300 40 989	2	50 *(1.97)*	140 *(5.51)*	110 *(4.33)*	201 *(7.91)*	121 *(4.76)*	8.5 *(0.33)*	–
45 400 92 ...	39 400 40 989	2	50 *(1.97)*	157 *(6.18)*	127 *(5.00)*	221 *(8.70)*	132 *(5.20)*	8.5 *(0.33)*	–
45 500 92 ...	39 500 40 989	2	50 *(1.97)*	182 *(7.17)*	152 *(5.98)*	260 *(10.24)*	153 *(6.02)*	8.5 *(0.33)*	–
45 600 92 ...	39 600 40 969	2	50 *(1.97)*	182 *(7.17)*	152 *(5.98)*	296 *(11.65)*	173 *(6.81)*	8.5 *(0.33)*	–

x = placeholder for corresponding part numbers Europiclon 50 (page 92).