

# Exhaust ejectors

## Maintenance-free dust scavenging with two-stage air cleaners

MANN+HUMMEL ejectors are designed to provide maintenance-free scavenging of the pre-separated dust in two-stage air cleaners. In addition to being maintenance-free, the ejectors achieve a significantly improved pre-separation efficiency of the two-stage air cleaner. This enables a considerably longer filter service life (up to 60%).

The ejector is fitted behind the exhaust silencer on the tailpipe. The flow energy of the exhaust gases generates a negative pressure in the ejector. This enables the pre-separated dust to be scavenged to the ejector and the dust is then blown out together with the exhaust gases.



### Installation instructions

The connection pipe between the air cleaner and ejector should be as short as possible and not have any tight elbows which would increase flow resistance. Coarse contaminant particles in the intake air (e.g. awns, fibres, stems or leaves) can lead to clogging in the air cleaner.

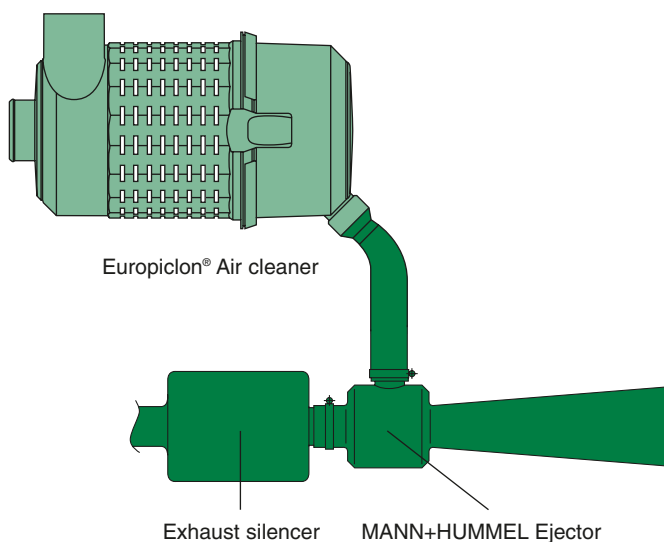
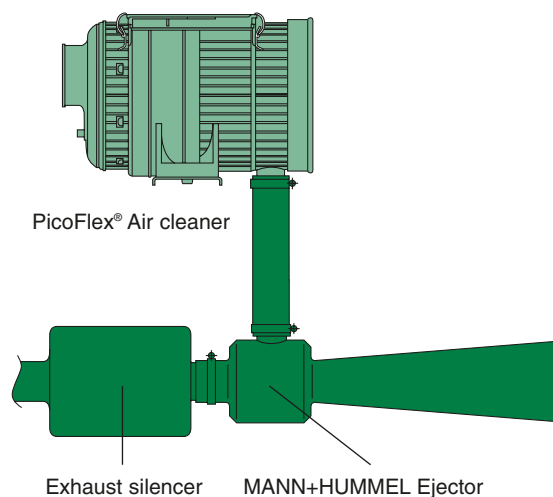
In order to avoid this, the scavenging should either be made in a closed area (cooling air shaft, scavenging under engine bonnet) or installed upstream with a basket sieve.

When using an ejector, care should also be taken that the maximum permissible exhaust

back pressure specified by the engine producer is not exceeded.

In addition, in all operational conditions there must be a pressure drop to the ejector in order to prevent exhaust gas being sucked in. In case of doubt we recommend use of a non-return adapter.

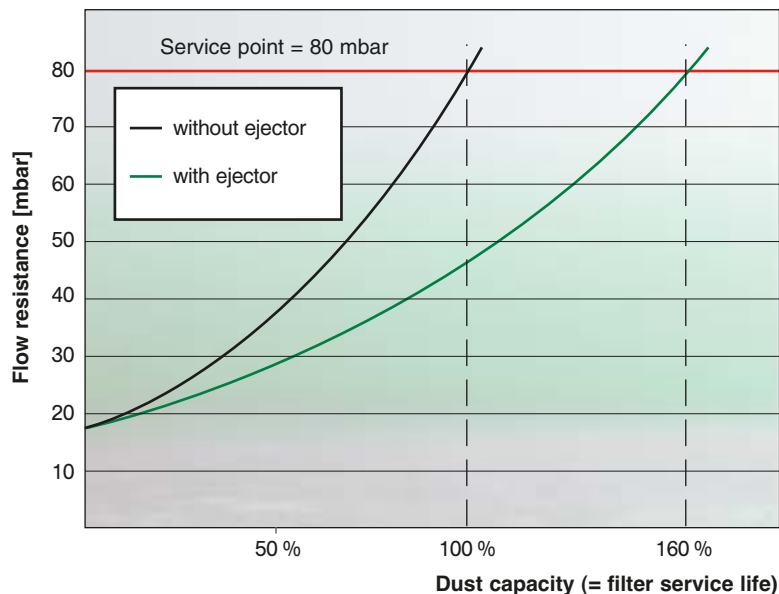
### Installation examples



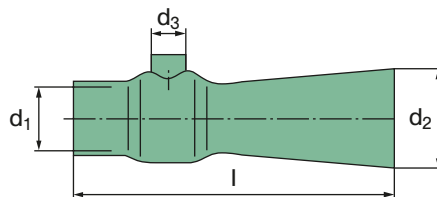
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## Significant extension of the air cleaner service life

The use of exhaust ejectors enables the service life of a two-stage air cleaner to be increased by 60%. This is demonstrated by the graphic pictured here which shows the typical flow characteristics for the dust capacity in relation to the increase in pressure drop.



## Dimensions and order numbers



Order No.	Application [kW]	Suitable for				Dimensions in mm (dimensions in inches)			
		PicoFlex®	Europiclone®	NLG-Piclone	Piclone (metal)	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	l
39 330 70 111	50 – 75	PicoFlex® 7	45 400 ...	—	45 225 ...	55.5 (2.19)	75 (2.95)	32 (1.26)	352 (13.86)
39 330 70 100	75 – 100	—	45 500 ...	—	45 325 ...	72.5 (2.85)	80 (3.15)	32 (1.26)	312 (12.28)
39 105 67 110	100 – 130	—	45 600 ...	NLG 15	45 440 ...	80.2 (3.16)	88 (3.46)	32 (1.26)	345 (13.58)
39 150 65 100	130 – 195	—	45 700 ...	NLG 21	45 650 ...	90.0 (3.54)	109 (4.29)	40 (1.57)	416 (16.38)
39 170 67 100	180 – 300	—	45 800 ...	NLG 28	45 880 ...	110.0 (4.33)	143 (5.63)	40 (1.57)	547 (21.54)

## Accessories for ejectors

Order No.	Fig.
39 000 25 919	1
39 000 25 751	2

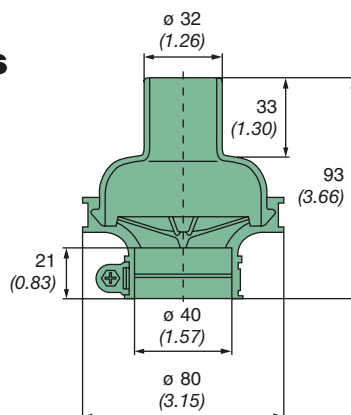


Fig. 1  
Non-return adapter

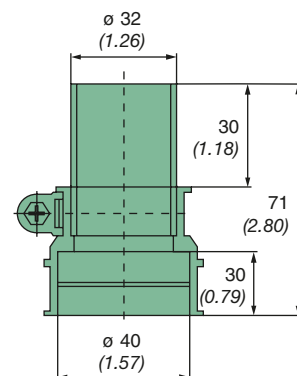


Fig. 2  
Ejector adapter