

# Cyclon separator DAH/V

## HF-DAH/V

### Cyclon separator for horizontal and vertical mounting

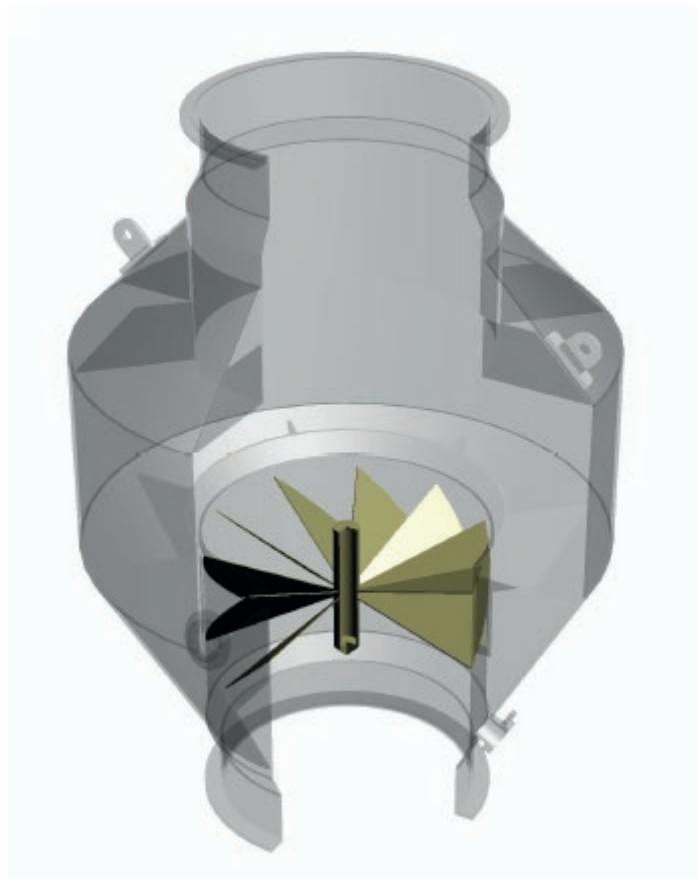
#### Description

HF-Cyclon separator DAH/V are used in ventilation, climate and process engineering in order to prevent from condensation droppping of exhaust air plants with for example chimneys, pipelines and gas scrubber. The mounting is suitable for vertical and horizontal inflow.

The gas / liquid mixture will be set in roation within the cyclon separator. Thanks to the centrifugal forces the carried liquid drops and solid materials flow on the inner side of the cyclon separator over an condensation conduct to the outside (see example image).

#### Materials

According to the requirement of the chemical and physical exposures, thermoplastistscs like PP, PPs, PE or PVDF are used. In potentially explosive areas eletrically conductible plastics like PPs-el are used. Higher exposures by temperature or pressure will be proceeded as reinforced version in connection with composite.



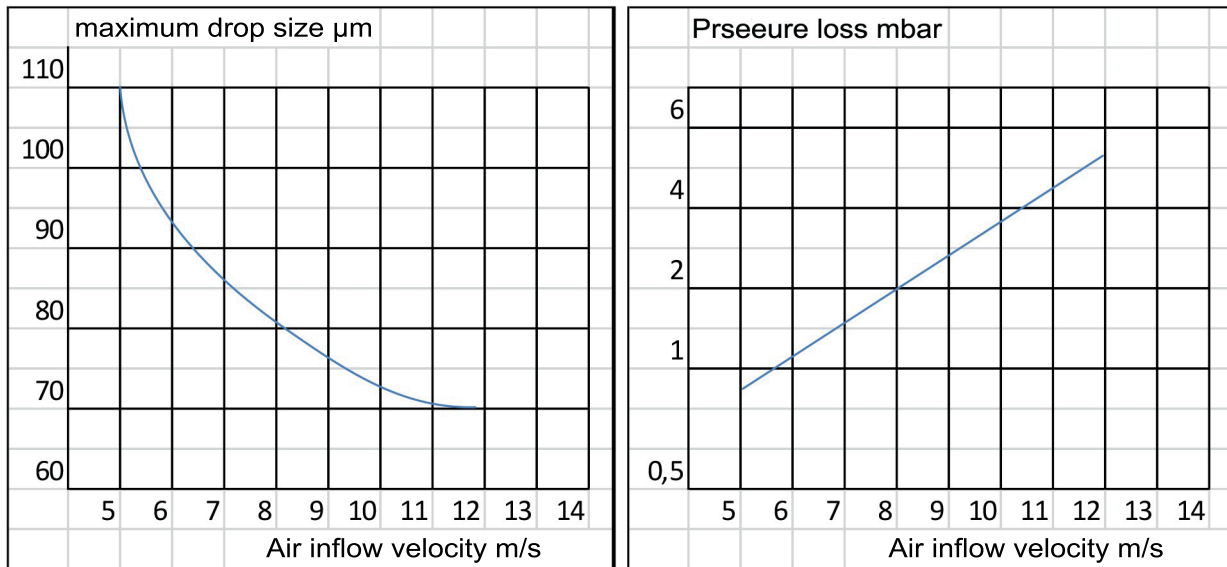
#### Technical Datas

By default HF-Cyclon separators DAH/V are divided in 6 different construction sizes for different volume flow areas. If necessary, the connection on the local discharge opening can be customized. Special construction sizes for higher air flows are available on demand.

Size	volume flow	connection NW	Outside Ø	total height
	cbm/h	mm	mm	mm
size 1	1.500 - 2.800	315	600	820
size 2	2.500 - 5.000	400	700	920
size 3	4.500 - 8.000	500	850	1.000
size 4	7.000 - 13.000	600	1.000	1.100
size 5	12.000 - 20.000	800	1.400	1.560
size 6	19.000 - 32.000	1.000	1.800	2.000



HF-Cyclon separators DAV/H mark high separation degrees on low pressure drops. In dependance of the air inflow velocity following values will be reached:



Limit drops: smallest drop to be separated completely.

All information are valid for the system water/air at 20 °C/1bar.

