

# LGP-NÓVUM 12000

## falling film type gas scrubber and dust separating device



### Outline of the gas cleaning process

The equipment is designed for suctioning operation, is divided to two areas by a fluid tray and is vertically structured. Inside the equipment the cleaning liquid and the polluted gas repeatedly collide with each other in parallel- and crosscurrents.

At the same time as the gas continuously, intensively, contacts with the liquid surface and the broken down liquid particles the fluid washes out the pollution from the gas and absorbs it.

The capacity of the devices are 12000 m<sup>3</sup>/h are equipped with mist-separator and ventilator. Up to 5000 m<sup>3</sup>/h the devices are with circular cross-section, above 5.000 m<sup>3</sup>/h capacity they are constructed with special square shaped tubes.

This technology is applicable in those cases when the pollution can be wetted or made wet.

### Choose LGP-NÓVUM equipments

- . If there are filter replacements too often.
- . If the filter burns out.
- . If the pollution is explosive.
- . If the pollution dust is loaded with fluid droplets.
- . If constant air flow is required.
- . If there is high dust pollution load.
- . If an environment-friendly solution is needed.
- . If the production hall needs to be cooled and humidified by the recirculated air.

### Technical data

Dust extractor fan		
Performance of fan:	12.000	m <sup>3</sup> /h
Motor performance:	15	kW
Fan pressure:	2300	Pa
Height:	2400	mm
Width:	1600	mm
Length:	2700	mm
Assembly height:	~4000	mm



LGP-NÓVUM 12000 - made for purifying the steamy, dusty air extracted at extruders