



## Krantz

Laboratory outlet LAB-V  
for hybrid ventilation

Presentation

*Krantz*



Laboratory outlet with single-row configuration



Laboratory outlet with two-row configuration

## Laboratory outlet LAB-V for hybrid ventilation

### Application

- Laboratories with fume cupboards
- Workrooms used for the attenuation of contaminants

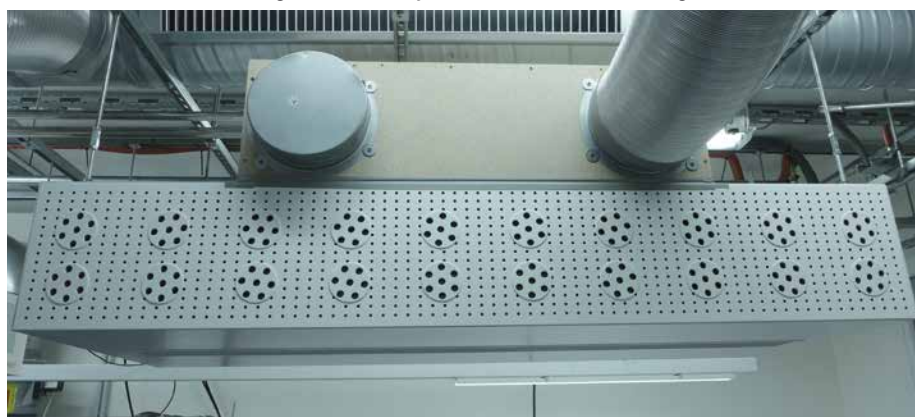
### Features

- Reduction of contaminant leakage in fume cupboards
- Individual adjustment of air stream direction through adjustable jet bundle elements
- Laboratory testing with fume cupboard especially feasible
- Flexible air-side connection (above or at the side)
- Project-specific variations on the design possible

Technical details and dimensions	
Length	up to 2000 mm
Volume flow	up to 555 l/s [2 000 m <sup>3</sup> /h]
Spec. Volume flow	1.5 to 17 l/(s · m <sup>2</sup> ) [6 to 60 m <sup>3</sup> /(h · m <sup>2</sup> )]
Cooling capacity	max. 120 W/m <sup>2</sup>
Sound power level	max. 45 dBA



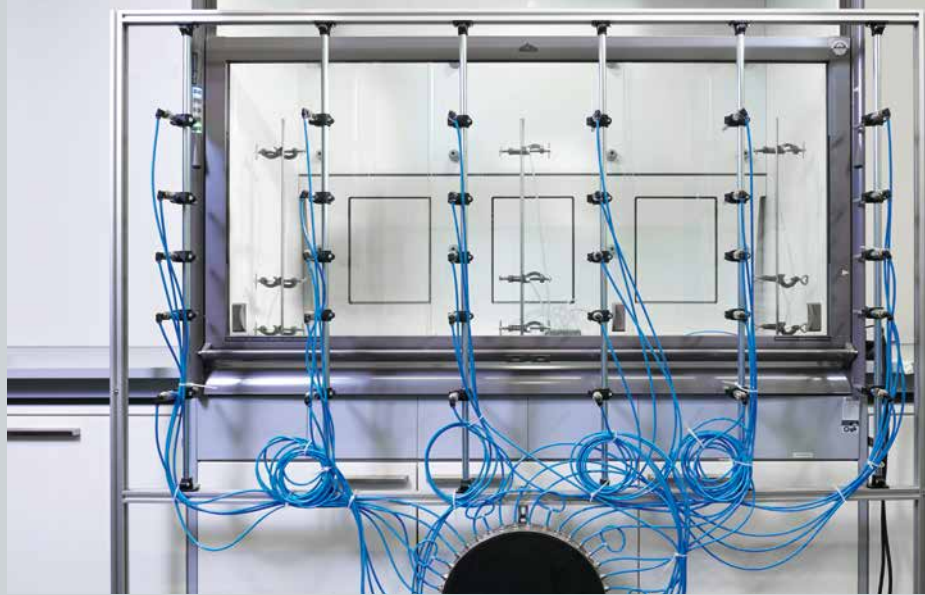
Lab outlet with two-row configuration and adjustable induction outlet integrated into unit bottom



Lab outlet with two-row configuration

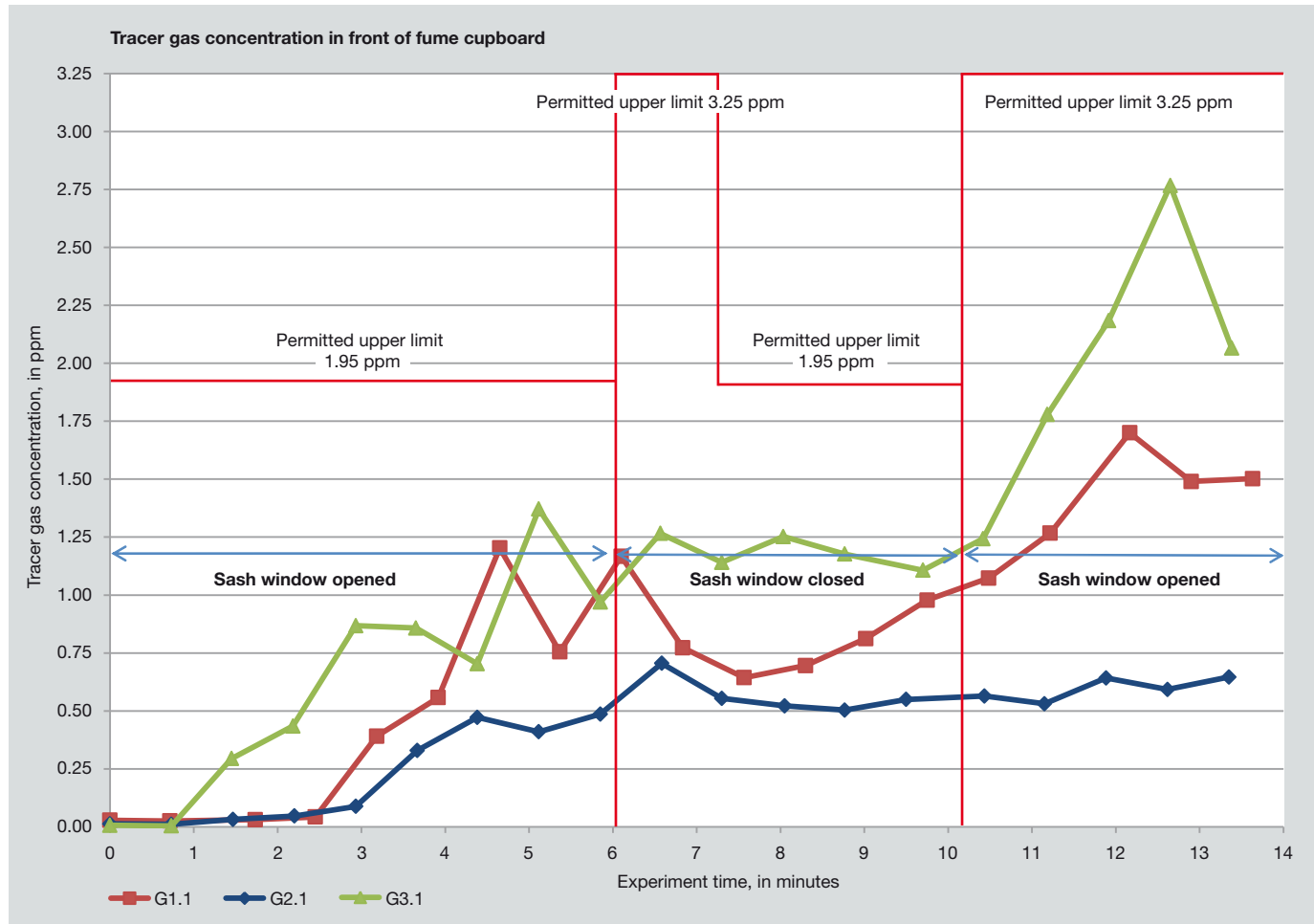


Visualization of air flow using artificial smoke



Measurement of leakage with tracer gas

Experiment no.	Volume flow per module		Spec. volume flow		$t_{\text{Room}}$ °C	$t_{\text{Supply}}$ °C
	l/s	m <sup>3</sup> /h	l/(s · m <sup>2</sup> )	m <sup>3</sup> /(h · m <sup>2</sup> )		
G1.1	175	630	17	60	26.1	18.0
G2.1	73	262	7.0	25	26.0	17.9
G3.1	175	630	17	60	23.5	23.5



Measurement of tracer gas concentration for open and closed sash window of fume cupboard



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