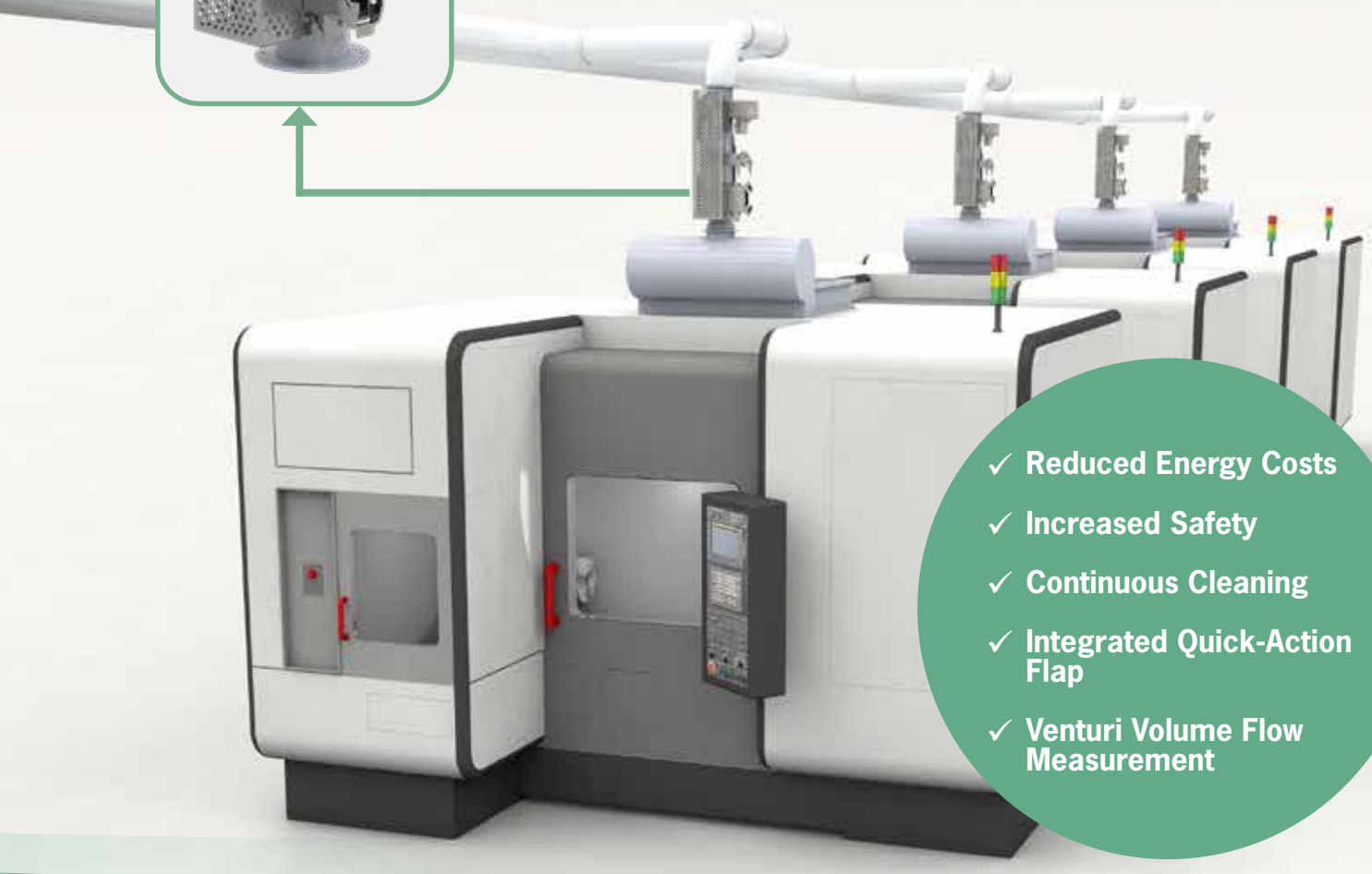
camfil
AIR POLLUTION CONTROL

HANDTE STREAM 2.0

MEASUREMENT & CONTROL OF EXHAUST AIR VOLUMES



- ✓ Reduced Energy Costs
- ✓ Increased Safety
- ✓ Continuous Cleaning
- ✓ Integrated Quick-Action Flap
- ✓ Venturi Volume Flow Measurement

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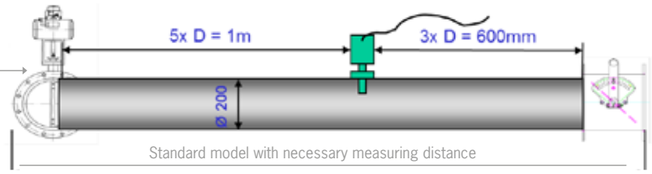
VOLUME FLOW MONITORING WITH ADDED VALUE:
REDUCED ENERGY COSTS & INCREASED SAFETY

The VDI (Association of German Engineers) recommends monitoring the volume flow to ensure operational safety and employee protection. Compliance with the specified TLV values must be ensured, and hazardous emissions must be avoided in the factory workshops. Adequate ventilation of the tooling machine minimises the critical concentrations and the resulting dangers due to fire and deflagration (particularly for applications with oil). Use of the Handte Stream 2.0 guarantees this under optimum economic conditions. The cost effective and reliable flow measurement and control with the Handte Stream 2.0 provides savings of up to 40% in maintenance and operational costs. This is achieved through optimization of the air flow and increase reliability as well as safety in hazardous situations.

Current Market Solutions:

- Automatic quick-action flap for limiting extinguishing agents in case of fire
- Flow monitors
- Damper flap for volume flow control



The Handte Stream 2.0 - Manual Damper Flap or Volume Flow Control

Model: Manual Damper Flap

- Set once to fixed value
- Measurement of the volume flow and generation of alarms to ensure safe operation
- For individual systems or central systems with fixed parameter settings

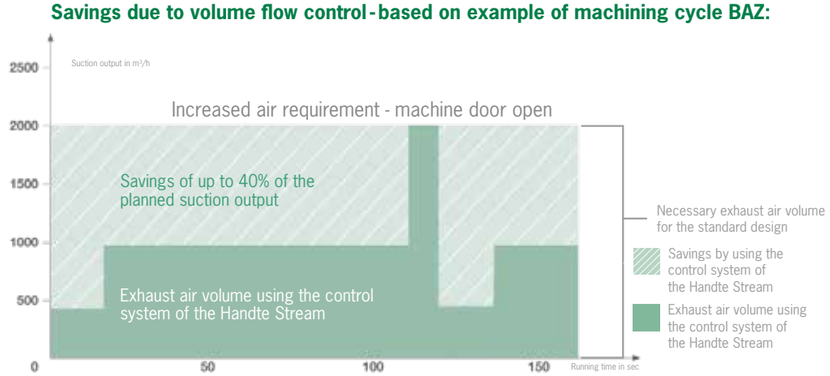
Model: Volume Flow Control

- Measures and controls the flow rate at a set value
- Generates an alarm when the airflow is insufficient
- For central systems with alternating processing machines/procedures and varying parameters

Benefits:

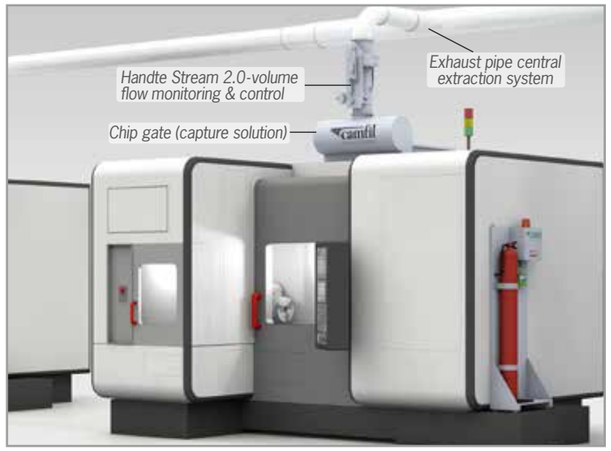
- ✓ Economical investment, maintenance & operational costs
- ✓ Simple installation, installation position freely selectable
- ✓ Cooling lubricant drain vertical/horizontal
- ✓ Models: Volume flow control or uncontrolled volume flow measurement
- ✓ Longer maintenance intervals through continuous cleaning of the measurement points
- ✓ Savings potential by utilising the volume flow control

Savings due to volume flow control - based on example of machining cycle BAZ:



SIMPLE & FLEXIBLE INTEGRATION
FOR INDIVIDUAL AND CENTRAL SYSTEMS

The Handte Stream 2.0 is suitable for both the use in individual and central systems and can be installed either horizontally or vertically. Recommended for all new systems of various sizes and applications as well as upstream detection solutions. It can also be retrofitted to existing systems, independent of the manufacturer.

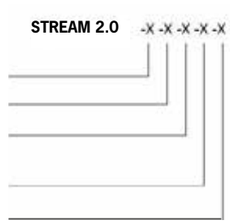


Possible without alterations or complicated interface modifications: Installation positions vertical & horizontal.

SELECTION OF SIZE			
Size	Air volume m³/h	Double-sided connecting flange (DIN 24154 R2 with nominal size)	Length in mm
Stream 600	400 - 600	DN 112	650
Stream 800	600 - 800	DN 125	650
Stream 1200	800 - 1,200	DN 140	650
Stream 1600	1,200 - 1,600	DN 160	750
Stream 2200	1,600 - 2,200	DN 200	750
Stream 3500	2,200 - 3,500	DN 250	1,000
Stream 5600	3,500 - 5,600	DN 315	1,200
Stream 7000	5,600 - 7,000	DN 355	1,400

FUNCTIONS HANDTE STREAM 2.0		
Manual Damper Flap	Volume flow control	Integrated quick-action flap
Manual adjustable damper flap for the adjustment of the suction volume flow. Analogue output of the measured volume flow, limit value monitoring and signal if the values fall below or exceed the suction value.	Automatic adaption of the flow rate depending on the machine cycle. Analogue output of the measured volume flow, limit value monitoring and signal if the values fall below or exceed the suction value.	Pneumatic quick-action flap to support fire extinguishing systems in the tooling machine.
For tooling machines with oil application, which are equipped with fire extinguishing systems, the OE Series offers additional integrated quick-action flaps to limit the fire agent volume.		

Type keys



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TRUST THE EXPERT!

Our engineers and employees are absolute professionals with many years of experience in the development, production and technical support of air pollution control systems of all sizes. From a simple filter system to complex turnkey solutions, from the initial design of the plant to the final completion – we are looking forward to your inquiry!

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