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**Global new product introduction: BinderGroup introduces new control valve for aeration air at IFAT - Hall A5 booth 139**

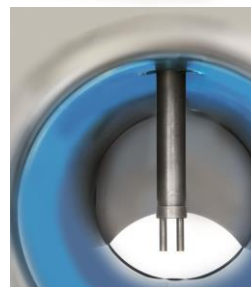
The newly developed VACOMASS® elliptic diaphragm control valve is based on the VACOMASS® square diaphragm control valve, which has been successful in the marketplace for many years. It is used for distribution and control of aeration air in wastewater treatment plants.

It provides gas-tight shut-off and precise airflow control at a relatively low pressure drop. This brand new control device features a considerably larger operating range, since it is designed and optimized for high airflow rates for applications such as air purging of diffusers or intermittent aeration. When the valve is completely open, the entire pipe cross-section is available, which eliminates pressure losses. Due to the patent pending wave breaker, it operates noise free!

The width K1 is standardized, so the diaphragm valve with elliptical control aperture is the ideal 1 to 1 replacement for valves that generate very high pressures at high loads or during in air purge operations, and that cause problems for installed blowers or compressors.

A special actuator with two operating modes can provide normal control operation (slow speed for precise positioning) or high speed actuation for rapid opening to generate short air bursts.

Available sizes: DN50 – DN300 (2 inch – 12 inch)  
Airflow rates: 20 – 34,000 Nm<sup>3</sup>/h (12 – 20,000 scfm)



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