

EGGER IRIS® - Diaphragm Control Valve

Your advantages at a glance

Energy efficient flow control valve for precise and economic control, suitable for liquids with or without solids and gaseous media.

with control characteristic acc. to DIN EN 60534

Robust construction designed for continuous operation, particularly suitable for variable duties. Simple installation and commissioning.

Open / Close aperture



Electric actuator for precise regulation permitting up to 1200 operations per hour S4-25% ED, optionally pneumatic actuator also available.

Hysteresis-free and excellent regulation characteristics are the prerequisites for regulating tasks. This is achieved by the continuously variable aperture from 0 - 100%, similar to the IRIS diaphragm of a camera, always maintaining a central flow axis and by an enhanced segment edge design.

Non-clogging due to the free, central flow design and the automatic self-cleaning feature of segment edges during valve operation. Flushing connections are provided.

Examples of applications:
Air, sewage, sludge, paper stock, sugar suspensions, drinking water, etc.

Energy cost savings and low noise emission through enhanced design.

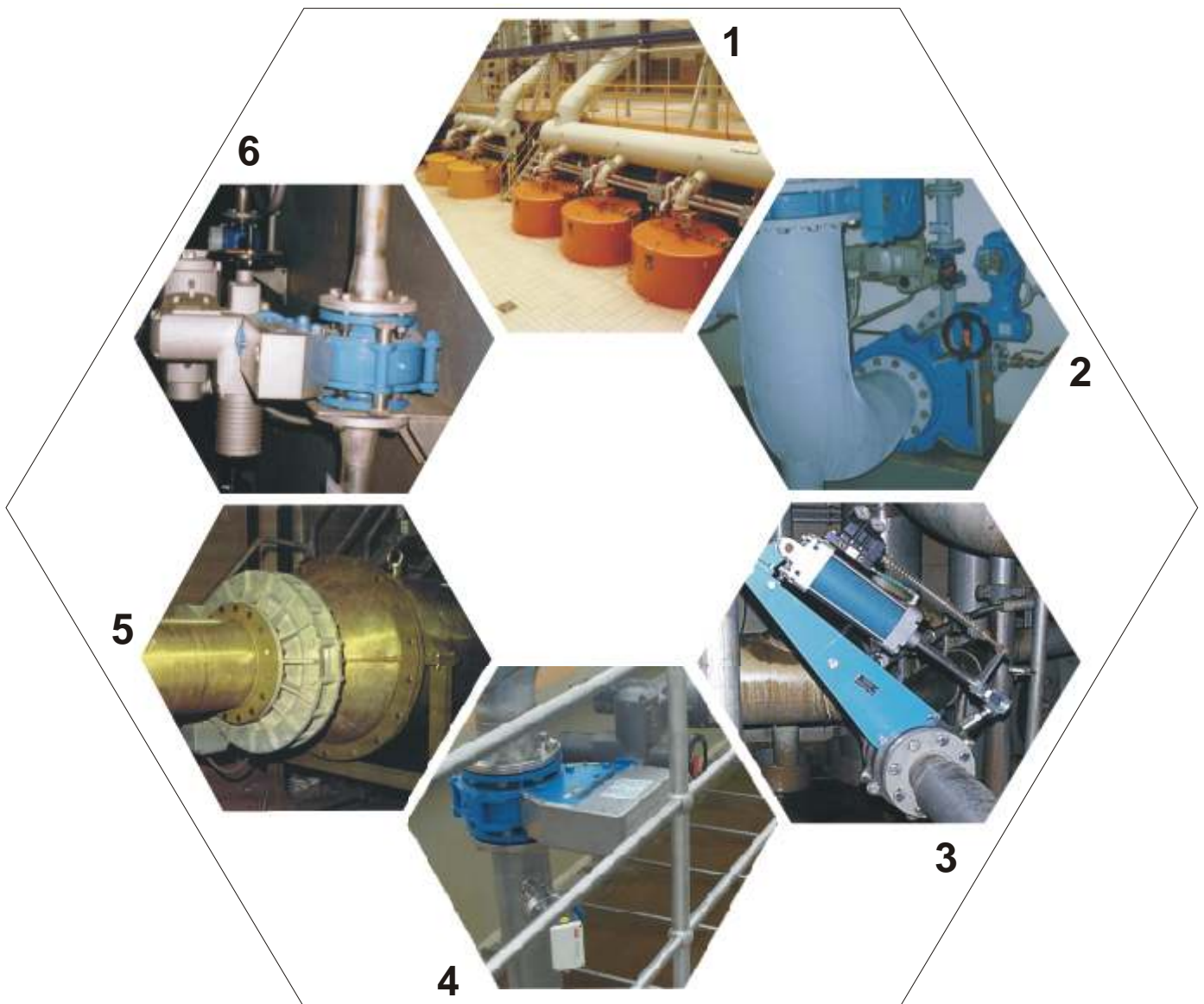
Fixed throttling apertures and imprecise regulating methods cause unnecessary pressure losses and energy costs. Due to the almost free passage and low turbulences in our valve these are reduced to a minimum. Because of an advantageous basic characteristic, we can operate in an energy saving manner, i.e. with optimal valve apertures.



Sizes:	DN 25 - DN 600	Materials:	Casing parts:	cast iron, st. st. or zinc-free bronze
Flanges:	PN 10 to DIN 2501		Segments:	Bronze hard-chrome plated (zinc-free) st. st. (optionally hardened)
Op. pressure:	max. 6 bar	Actuators:	Handlever, handwheel, electric or pneumatic	
Temperature:	max. 140 °C			
On request: ANSI flanges RF 150; op. pressure > 6 bar; temperatures > 140°C; special materials				

EGGER - regulating valves control:

- 1** Masseccite feed into continuous sugar centrifuges
- 2** Drinking water in a drinking water supply plant
- 3** Regulation of paper in the paper industry
- 4** Measuring of gases by integrated gas mass flow measurement system ABB SENSIFLOW, construction work executed by Schachtbau, Nordhausen
- 5** Air for motor and turbine test-beds
- 6** Primary and return sludge in sewage treatment stations.



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Subject to modifications

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