

HIGH PERFORMANCE IS-MACHINES MODULAR VALVE BLOCK



WE ARE GLASS PEOPLE

 **heye**
international

PERFORMANCE AND SAFETY



Time is a top priority in modern production processes. In hollow glass production, the performance of the entire system is determined by the speed of the individual mechanisms within the IS-Machine. Any acceleration in working speed increases the yield accordingly. Every minute the production line is down due to maintenance or repair decreases the productivity of the machine.

Through the high performance of the new Heye International modular valve block, the speed of the system can be increased, downtime reduced and production optimised.



MODULAR DESIGN

If a traditional valve block fails, it would normally have to be dismantled completely. Owing to its complex design, comprising many individual parts, this takes time.

The Heye International modular valve block uses cartridge carriers equipped with two switch cartridges. They are completely pre-assembled, can be stored on-site and are easily accessible and exchangeable, therefore reducing cartridge exchange time from around 30 minutes to only about 4 minutes.

These shortened downtimes reduce costs and increase productivity. The new modular valve block can be fitted universally and is compatible with many standard IS-Machines. A retrofit of existing production lines is possible at any time and can improve the performance of an existing system enormously.



HIGH PERFORMANCE

Flow channels with a complex structure cause high flow resistance. Resulting turbulence reduces flow volume.

The new Heye International modular valve block is characterised by optimised channel design, enlarged cross sections and a shortened flow path. Low flow resistance allows a consistently high flow volume. Used in combination with the new Heye International valve cartridge, the pilot control units have a highly consistent switchpoint as well as a very good limit pressure ratio, independent of temperature.

HIGH SAFETY

The first safety element is the two-valve block concept. The blank side is covered by a 22-track valve block, the blow side by a 16-track valve block. The operator can immediately see the impact of its adjustments. The operator on the other side is not directly at risk.

The second safety element are the Heye Safety Snap Valves, providing a very high level of additional safety for operators.

Used for blank and blow mould open and close, baffle down, funnel down and blowhead down duties, the Heye Safety Snap Valves ensure that there is no unintended equipment motion during section maintenance or repair procedures. The

Safety Snap Valves close the connection channel between the pilot air and the valve cartridge.

SPECIAL FEATURES

- Modular design for minimum downtime
- High flow volume for improved cavity rates
- Ergonomic design for intuitive handling
- Smooth and easy to clean housing

Enlarged cross sections allow a consistently high flow volume and high working speed.

CLEAN DESIGN

The demand for quality, cleanliness and safety is constantly increasing. Accordingly, in glass production, quality standards are defined by audits, investigations and certifications.

With its optimised modern design, the Heye International modular valve block is easy to operate and clean. Integral covers protect the valve block from dirt, damage and accidental operation during production. Each pilot control valve, marked with individual function symbols, is designed ergonomically, visible at a glance and easy to operate.

HEYE INTERNATIONAL SOLUTION PORTFOLIO

Hot End production equipment

Cold End inspection solutions

Project management

Plant engineering

Hot End detail engineering

Technical Assistance Agreement

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Heye International GmbH
Lohplatz 1, 31683 Obernkirchen
Germany

T: +49 5724 26 0
F: +49 5724 26 539

www.hey-international.com

