The Leader In Automatic Flow Control Valves
Superior Valves For Superior Fluid Control

Hays Fluid Controls makes the world’s most effective automatic flow control valves and related vital components for the HVAC industry. Hays products work quietly and dependably to control water flow, saving money and energy with their unique designs.

Hays Fluid Controls flow rates range from as low as 0.5 GPM to over 36,000 GPM, with pressure differentials from 2 to 80 PSID.

Hays products include:
• Manual and automatic flow controls
• Hose kits and piping packages, fully assembled & tested
• Solenoid valves
• Custom-designed products for a wide range of special applications

Saving You Money, Protecting Your Equipment

Hays automatic valve products are much more economical than manual systems. In a typical manual balancing system, circuit balancing valves are required at all terminal units as well as the riser. The system has to be tediously (=expensively) rebalanced whenever a new terminal unit is brought online.

Hays automatic valves are only required at the terminal units. No controls are needed on the risers, and the system does not have to be rebalanced when a new unit is added. This can reduce installation costs substantially, depending on the configuration.

In an office building with varying cooling requirements in diverse locations, the HVAC system can reduce pump speed to meet only the chilled water needs for warmer locations, again enabling a substantial energy savings.

Hays automatic valves save even more money by providing the correct flow to protect much more expensive equipment downstream such as chillers and cooling towers, water source heat pumps, fan coils, air handlers, and other heating and cooling systems. Hays automatic valves run for decades without any need for cleaning, saving substantial dollars over the life cycle of a system.
Mesurflo® Automatic Balancing Valves

Mesurflo® Automatic Balancing Valve Hose Kits

Manual Balancing Valves

Manual Balancing Valve Hose Kits

2 & 3 Way Automatic Balancing Valve Hard Pipe Packages

2 & 3 Way Manual Balancing Valve Hard Pipe Packages

Mesurflo® Automatic Balancing Valve with ATC & Y-Ball Strainer with PT’s
Hays Products Are 100% Tested And Guaranteed

Every single Hays coil package is sealed onto a blister pack so that installation in the field is quick and easy.

For installations involving multiple assemblies, we tag the precise location of each component in the building, so there is no mistake, doubt or waste.

Hays is so confident of its product quality, each comes with a warranty for the lifetime of the water or HVAC system in which it is installed. Hays automatic flow control products are simply the best.

Custom Engineering And Responsive Service

Our highly experienced engineering staff holds over 35 patents and can custom design a wide range of products for many different applications.

Reduced weight, smaller or larger physical sizes, even lower life cycle costs, and closer tolerances are just a few of the variables available to meet your special needs.

Responsive customer service is one of our core values at Hays. You'll find us genuinely interested in helping you short-term and long-term.

We are dedicated to our customers and our employees, and our low turnover has led to an exceptionally competent staff producing consistent quality.

For details, quotes, or more information, call toll-free 800-354-4297 or email info@haysfluidcontrols.com. Additional information is also available on our website, www.haysfluidcontrols.com.
Hays Fluid Controls began as Hays Manufacturing Company in Erie, Pa., in 1869, manufacturing brass valves for oil, water and beer. During World War II it manufactured many types of brass valves and fittings for military usage, including 40 mm shells and bomb tail fuse assemblies. In 1946, Hays introduced solenoid valves and flow controls for industrial use. In 1977 Hays moved to Gastonia, N.C., and in 1986 the company was purchased by Romac Industries, a leading piping products manufacturer in Seattle. After extensive research based on its successful military products, Hays patented and began marketing its Mesurflo® valves to the HVAC industry in 1994. Contact us for a product custom tailored to your needs.

Mesurflo works to limit flow to a predetermined rate, resulting in maximum efficiency of a upstream coil or device. It controls flow within a 2-80 PSID range. The large free-area opening of the orifice yields very little noise during operation.

Features of Mesurflo® Valves:
- Maintains constant flow when differential pressure ranges from 2 to 80 PSID
- Field changeable GPMs on most models
- 13 models to choose from
- Available from 0.5” to 36”, 0.5 GPM to 36,000 GPM
- Sweat, threaded or flanged connections

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Cross-sectional illustrations show a typical piping product with a Mesurflo®-valve under normal pressure and increased pressure.

Under normal pressure the Mesurflo® valve allows steady flow through the orifice. The rubber-based elastomeric diaphragm presse tightly against a polyphenyl-sulfone orifice with custom designed openings, allowing small solid particles in the water to pass through. As the pressure activities, the diaphragm backs away from the orifice, freeing trapped particles.

Under increased pressure the Mesurflo® diaphragm moves more tightly onto the orifice to maintain the pre-selected flow rate. At higher pressures larger particles may be trapped momentarily, but when the pressure subsides, the diaphragm moves back away from the orifice seat, and any trapped partciles are released. The large free-area opening of the orifice significaently reduces noise.

The cone-shaped parts on each side of the diaphragm enable a smooth flow of fluid over the diaphragm, then reformation of the flow on the downstream side, to allow non-turbulent flow through the pipe.

Mesurflo® is a Registered Trademark of Hays Fluid Controls. Hays Fluid Controls’ Mesurflo® Automatic Balancing Valves are protected by U.S. Patent 6,311,712. Mesurflo® is a Registered Trademark of Hays Fluid Controls.
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