

PRESS RELEASE

## High resolution needle valve for precise flow control

Bronkhorst High-Tech BV, specialists in low flow measurement and control, have extended and upgraded their MASS-VIEW<sup>®</sup> series mass flow meters/regulators. Flow regulators for Hydrogen and Helium will now be equipped with a new, high resolution needle valve, offering precise and stable control. Thanks to this development they could extend the product line for these low density gases with regulators for lower flow ranges: max. 2 l<sub>r</sub>/min Helium and 1 l<sub>r</sub>/min H<sub>2</sub> (Full Scale values). Furthermore the new valves will also be integrated in the standard regulators for low flow ranges of gases with higher densities.

MASS-VIEW<sup>®</sup> flow meters, the digital alternative to conventional VA meters (variable area meters) incorporate a digital bar graph of actual gas flow, which is, thanks to the OLED (organic light emitting diode) technology, clearly visible from all angles, as well as indicating flow units, gas type and totalised figures. Also available with an optional in-built needle valve for flow control duties, it is designed to mimic the straightforward features and vertical format of the VA meter, but with the considerable added benefits of an electronic output signal, high measuring accuracy, virtual independence from gas temperature and pressure variations, freedom from parallax error and inherently safe construction, with no fragile glass components in the flow path.

MASS-VIEW<sup>®</sup> instruments are suitable for flow rates from 0.01 up to 200 l<sub>r</sub>/min (SLM) Air-equivalent. The flow meters and regulators have 4 pre-installed ranges (100%, 50%, 25% and 10% of maximum FS range) selectable via a user-friendly menu, using a 4-way navigation button. Herewith the user can also easily select one of ten pre-installed gases (Air, N<sub>2</sub>, O<sub>2</sub>, Ar, CO, CO<sub>2</sub>, N<sub>2</sub>O, CH<sub>4</sub>, C<sub>3</sub>H<sub>8</sub> and C<sub>4</sub>H<sub>10</sub>). Besides the standard multi-gas models, Bronkhorst offers models for Helium and H<sub>2</sub> up to 100 l<sub>r</sub>/min. The instruments offer an accuracy of ±2%RD if the flow is higher than 50% of it's maximum full scale and ±1%RD plus ±0.5%FS on lower flows. The instruments can handle operating pressures up to 10 bar(g) / 150 psi(g).

The MASS-VIEW<sup>®</sup> can be easily ordered from stock at **Mass Flow ONLINE B.V.** 24 hours a day, 7 days a week on [www.massflow-online.com](http://www.massflow-online.com). From this web shop, we deliver competitively priced, high quality products with excellent delivery time. Your on-line order will be shipped within two working days.

For more information, go to [www.massflow-online.com](http://www.massflow-online.com)

**MASS VIEW**



MASS-VIEW<sup>®</sup> meter with OLED display and needle valve



selling online high quality mass flow measurement and control products

contact us at: [sales@massflow-online.com](mailto:sales@massflow-online.com) or  
visit our website [www.MASSFLOW-ONLINE.com](http://www.MASSFLOW-ONLINE.com)

  
**Bronkhorst**<sup>®</sup>  
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