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PRESS RELEASE

User-friendly Mass Flow Controller

EL-FLOW[®] Prestige is the next generation of Bronkhorst Mass Flow Meters/Controllers for gases. Nearly all core components have been redesigned and many improvements and innovations have been incorporated. With this new series Bronkhorst introduced the “Differential Temperature Balancing” technology, ensuring high accuracy and a superb sensor stability. New, power efficient micro-processors with innovative multistage control loops have been applied to achieve enhanced dynamic behaviour. The new metal housing is of robust yet compact design. EL-FLOW Prestige represents a truly ground-breaking shift in versatility and user-friendliness, featuring an on-board gas conversion model, various fieldbus options and customizable I/O functions. The control performance of EL-FLOW Prestige Mass Flow Controllers is factory adjusted to swiftly respond to setpoint changes, without overshoot. Moreover, the controllers are highly resistant to mechanical shocks and pressure fluctuations, which may be caused by other devices consuming gas from the same source. As an option the MFCs can be tuned for extra fast flow response (down to 500 milliseconds) or extra smooth control, depending on the requirements of the user’s process. The dynamic behaviour can also be tuned on site easily, by adjusting the controller speed settings via FlowTune[™], or by using our software tool FlowPlot[™]. This free tool can also be used for device diagnostics or alarm and counter settings.

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EL-FLOW[®] Prestige Mass Flow Controller

SENSORS FOR MASS FLOW AND PRESSURE