

Plasmagas-control unit FlowControl

Unmatched because of automatic control of the gas flow

First time the **FlowControl** enables plasma cutting with optimised and reproducible plasma gas mixtures all over the full process.

For achieving excellent results during cutting of metallic materials by the plasma arc the individual composition and the flow rate of the plasma and the swirl gases influence them decisively. Unfavourably conventional mixing devices have the disadvantage that they can not stabilize both of those parameters. Only the pressure is kept constant.

By means of five separate control paths (3 Plasma gases, 2 swirl gases) the new gas-control unit adapts the mixtures perfectly to the technical requirements of materials to be cut.

The **FlowControl** offers following advantages:

Nothing like it
worldwide!



The FlowControl consists of
Controller PGC and valve unit PGV 3.

- Tailored gas mixture in dependence of the cutting material
- Safe dosage, for even the smallest gas flows of different mixtures
- Stable gas parameters, therefore highest reproducibility by microprocessor control and monitoring
- Independency of the working condition of the plasma torch (gas pre-flow, pilot arc, main arc)
- Balance of pressure fluctuations
- Factory-established data bank for gas parameters available for standard materials
- Storage of optimised individual gas parameters in customer data banks for further materials possible

Technical data

	FlowControl
Weight	28 kg
Dimensions (L x W x H)	510 x 330 x 450 mm

The **FlowControl** is suitable for the plasma power source HiFocus 130, HiFocus 160i, HiFocus 280i, HiFocus 360i as well as HiFocus 440i and its marking technology. It is controllable by means of a serial interface. Upgrading is possible.

Our products represent a high level of quality and reliability. We reserve the rights to change design and/or technical specification during the series fabrication. Claims of any kind can not be derived from this prospectus.

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