

adjusting and dosing of the plasma and swirl gases

Plasma Gas Unit - FlowControl



For achieving best cutting result the gas mixture and the flow rate of the plasma and swirl gases are essential. The automatic gasbox FlowControl contains the necessary cutting data for the cutting process. It controls the volume flow and the timing of the single process gases and ensure thus optimised and reproducible gas mixtures by:

- ✓ Tailored gas mixture in dependence of the cutting material
- ✓ Reliable adjustment of the gas parameters due to microprocessor control and monitoring
- ✓ Balance of pressure fluctuations
- ✓ Safe dosage, for even the smallest gas flows of different mixture
- ✓ Avoiding operating errors

The cutting data and marking data for different materials and material thicknesses can be accessed and used from the factory-adjusted cutting database. Specific or modified cutting data can be saved in a special customer database.

The FlowControl can also be installed in existing guiding systems without database capabilities. The FlowControl consists of the plasma gas controller PGC and the plasma valve unit PGV. It can be controlled by a serial interface.

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