

Omniflow

Automatic Gas Control System

Setup for MPC2000, Titan II, and TMC4500ST



(Global Control Plus)

Setup for EdgeMate® and EdgeMaster®



(Omniflow Control)



(Global Control S)



(Gas Control Module)

Overview:

The Omniflow Automatic Gas Control System provides automatic setting and regulation of preheat oxygen, cutting oxygen and fuel gas pressure during oxyfuel cutting. Precise, automatic control of the piercing process is possible for up to five-inch thick mild steel. The Omniflow system is designed for use with Messer TurboFlame and ALFA oxyfuel torches. The Omniflow system is integrated into the Global Control Plus, eliminating the need for an extra control. *The EdgeMate® and EdgeMaster® machines powered by the Global Control S require the Omniflow control box.*

Features and Benefits:

- Enhances operator productivity and eliminates set-up guesswork. Even novice operators can achieve good oxyfuel cutting.
- Optimizes preheat and pierce routines to reduce cycle time and improve cut quality and consistency.
- Increases tip life as the slag stream is directed away from the tip.
- Pressure sensors on input and output lines provide more effective gas control.
- Provides operator with capability to edit cutting parameters for fine-tuning of process.
- Built-in diagnostics monitor the cutting process and assist with troubleshooting.

*Note: Each Omniflow Controller delivers enough gas flow to cut up to 16 torch-inches. Therefore, two Omniflow controllers provide enough flow for nearly all oxyfuel applications by providing up to 32 torch-inches of cut.
(Torch-inches = Number of torches x plate thickness)*

Application:

Available on MPC2000, Titan II and TMC4500ST machine models or as a retrofit for these machines. Also available as part of "Plus" package on EdgeMate® and EdgeMaster®.

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