



Factory-fit option

## OW GFE

Electronic gas flow control for drive 4X (ex works)

099-OW0055-EW501

Observe additional system documents!

19.10.2015

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# General instructions

## CAUTION



### **Read the operating instructions!**

**The operating instructions provide an introduction to the safe use of the products.**

- Read the operating instructions for all system components!
- Observe accident prevention regulations!
- Observe all local regulations!
- Confirm with a signature where appropriate.



***In the event of queries on installation, commissioning, operation or special conditions at the installation site, or on usage, please contact your sales partner or our customer service department on +49 2680 181-0.***

***A list of authorised sales partners can be found at [www.ewm-group.com](http://www.ewm-group.com).***

Liability relating to the operation of this equipment is restricted solely to the function of the equipment. No other form of liability, regardless of type, shall be accepted. This exclusion of liability shall be deemed accepted by the user on commissioning the equipment.

The manufacturer is unable to monitor whether or not these instructions or the conditions and methods are observed during installation, operation, usage and maintenance of the equipment. An incorrectly performed installation can result in material damage and injure persons as a result. For this reason, we do not accept any responsibility or liability for losses, damages or costs arising from incorrect installation, improper operation or incorrect usage and maintenance or any actions connected to this in any way.

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## 2 Safety instructions

### 2.1 For your safety



#### DANGER



**Do not carry out any unauthorised repairs or modifications!**

**To avoid injury and equipment damage, the unit must only be repaired or modified by specialist, skilled persons!**

**The warranty becomes null and void in the event of unauthorised interference.**

- Appoint only skilled persons for repair work (trained service personnel)!



#### WARNING



**Risk of accidents due to non-compliance with the safety instructions!**

**Non-compliance with the safety instructions can be fatal!**

- Carefully read the safety instructions in this manual!
- Observe the accident prevention regulations and any regional regulations!
- Inform persons in the working area that they must comply with the regulations!



**Validity of the document!**

**This document is valid only in combination with the operating instructions for the product being used!**

- Read and observe the operating instructions for all system components, especially the safety instructions!

#### CAUTION



**Obligations of the operator!**

**The respective national directives and laws must be observed for operation of the machine!**

- National implementation of the framework directive (89/391/EEG), as well as the associated individual directives.
- In particular, directive (89/655/EEG), on the minimum regulations for safety and health protection when staff members use equipment during work.
- The regulations regarding work safety and accident prevention for the respective country.
- Setting up and operating the machine according to IEC 60974-9.
- Check at regular intervals that users are working in a safety-conscious way.
- Regular checks of the machine according to IEC 60974-4.



**Damage due to the use of non-genuine parts!**

**The manufacturer's warranty becomes void if non-genuine parts are used!**

- Only use system components and options (power sources, welding torches, electrode holders, remote controls, spare parts and replacement parts, etc.) from our range of products!
- Only insert and lock accessory components into the relevant connection socket when the machine is switched off.

### 3 Intended use

#### WARNING



**Hazards due to improper usage!**

**Hazards may arise for persons, animals and material objects if the equipment is not used correctly. No liability is accepted for any damages arising from improper usage!**

- The equipment must only be used in line with proper usage and by trained or expert staff!
- Do not modify or convert the equipment improperly!

#### 3.1 General

#### CAUTION



**These supplementary sheets are valid in addition to the standard document!**

**These supplementary sheets are only valid in combination with the relevant standard operating instructions and expand on or replace a section in the corresponding standard descriptions.**



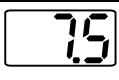
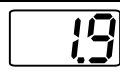
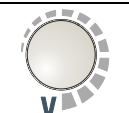

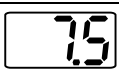
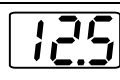
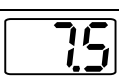
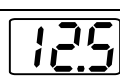



***Keep the conversion instructions with the machine documentation!***

***When ordering spare parts, ensure that the item number and serial number of the machine are quoted!***

## 4 Functional characteristics

 **The connected gas line has to have a preset pressure of 3–5 bar.**

Operating element	Action	Result	Display (example):	
			Left	Right
		Press the push-button repeatedly until only the "Gas" signal light is illuminated. Right: Gas flow volume		
		Set the required gas flow volume (l/min).		
The values set will be applied immediately.				

 **When gas is flowing (gas pre-flow, welding, gas post-flow, gas test) the actual value is displayed, otherwise the nominal value is displayed.**

 **The OW GFE includes shielding gas monitoring. If no gas is flowing during the welding process or gas test, error 6 is displayed.**