



EN

Retrofit option

ON Filter TG.0003

Dirt filter for air inlet

099-002662-EW501

Observe additional system documents!

15.01.2019

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General instructions

WARNING



Read the operating instructions!

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

- Read and observe the operating instructions for all system components, especially the safety instructions and warning notices!
- Observe the accident prevention regulations and any regional regulations!
- The operating instructions must be kept at the location where the machine is operated.
- Safety and warning labels on the machine indicate any possible risks. Keep these labels clean and legible at all times.
- The machine has been constructed to state-of-the-art standards in line with any applicable regulations and industrial standards. Only trained personnel may operate, service and repair the machine.
- Technical changes due to further development in machine technology may lead to a differing welding behaviour.

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/en/specialist-dealers.

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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1 Safety instructions**1.1 For your safety****⚠ WARNING**

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)!



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!

⚠ CAUTION

Obligations of the operator!

The respective national directives and laws must be complied with when operating the machine!

- Implementation of national legislation relating to framework directive 89/391/EEC on the introduction of measures to encourage improvements in the safety and health of workers at work and associated individual guidelines.
- In particular, directive 89/655/EEC concerning the minimum safety and health requirements for the use of work equipment by workers at work.
- The regulations applicable to occupational safety and accident prevention in the country concerned.
- Setting up and operating the machine as per IEC 60974.-9.
- Brief the user on safety-conscious work practices on a regular basis.
- Regularly inspect the machine as per IEC 60974.-4.

These supplementary sheets must be used in conjunction with the appropriate standard operating instructions for the described product! These supplementary sheets expand or replace one or more chapters of the same name(s) in the standard description.

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

2 Intended use

2.1 General

WARNING



Hazards due to improper usage!

The machine has been constructed to the state of the art and any regulations and standards applicable for use in industry and trade. It may only be used for the welding procedures indicated at the rating plate. 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 its designated purpose and by trained or expert personnel!
- Do not improperly modify or convert the equipment!

These instructions apply only for the conversion of the following machines:

- 090-005445-00502 Phoenix 355 Expert 2.0 puls MM TKM
- 090-005403-00502 Phoenix 355 Progress puls HP MM TKM
- 090-005502-00502 Phoenix 355 Progress puls LP MM TKM
- 090-005547-00502 Picomig 185 puls TKG
- 090-005548-00502 Picomig 185 Synergic TKG
- 090-005542-00502 Picomig 355 puls TKM
- 090-005512-00502 Picomig 355 Synergic TKM
- 090-005406-00502 Taurus 355 Basic TKM
- 090-005442-00502 Taurus 355 Basic TKW
- 090-005407-00502 Taurus 355 Synergic HP MM TKM
- 090-005444-00502 Taurus 355 Synergic HP MM TKW
- 090-005421-00502 Taurus 355 Synergic LP MM TKM
- 090-005443-00502 Taurus 355 Synergic LP MM TKW

2.2 Short description of the working steps required

- Inserting and arresting the dirt filters.

2.3 Parts list
2.3.1 092-002662-00000

Before conversion, check that the retrofit kit is complete (see parts list).

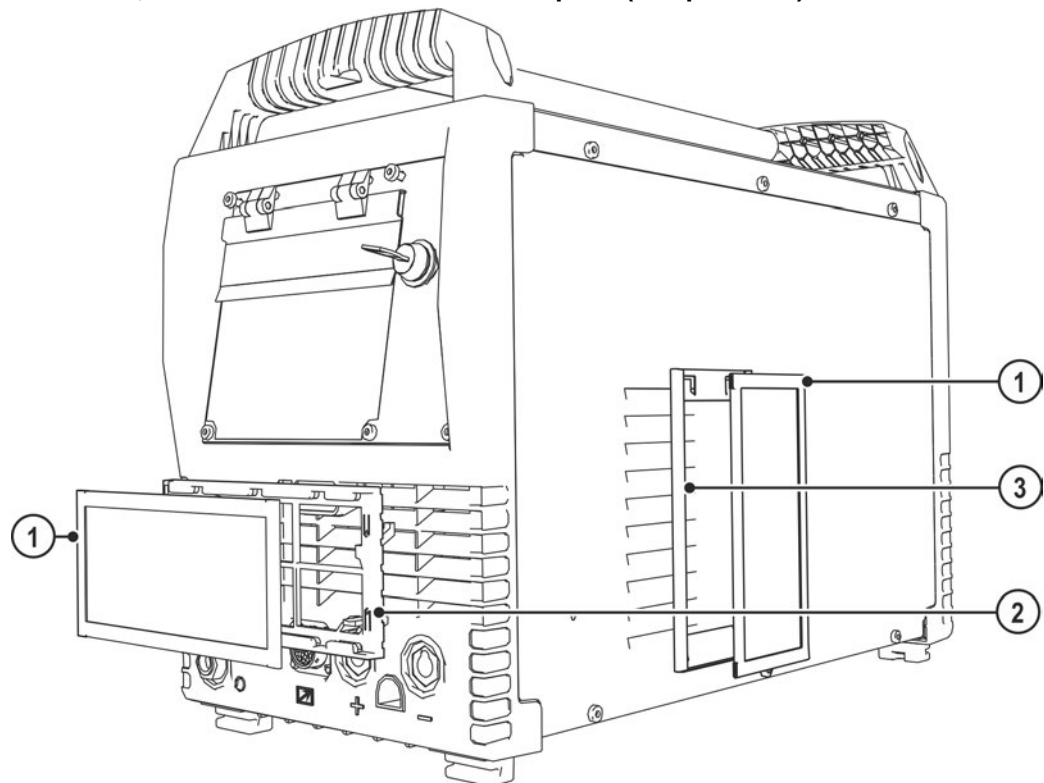


Figure 2-1

Item	Quantity	Description	Item number
1	2	Filter F185x85	094-015855-00002
2	1	Plastic frame KRF 190x92	094-015793-00000
3	1	Metal frame BHF 190x90	094-016771-00000

3 Conversion

3.1 Front view

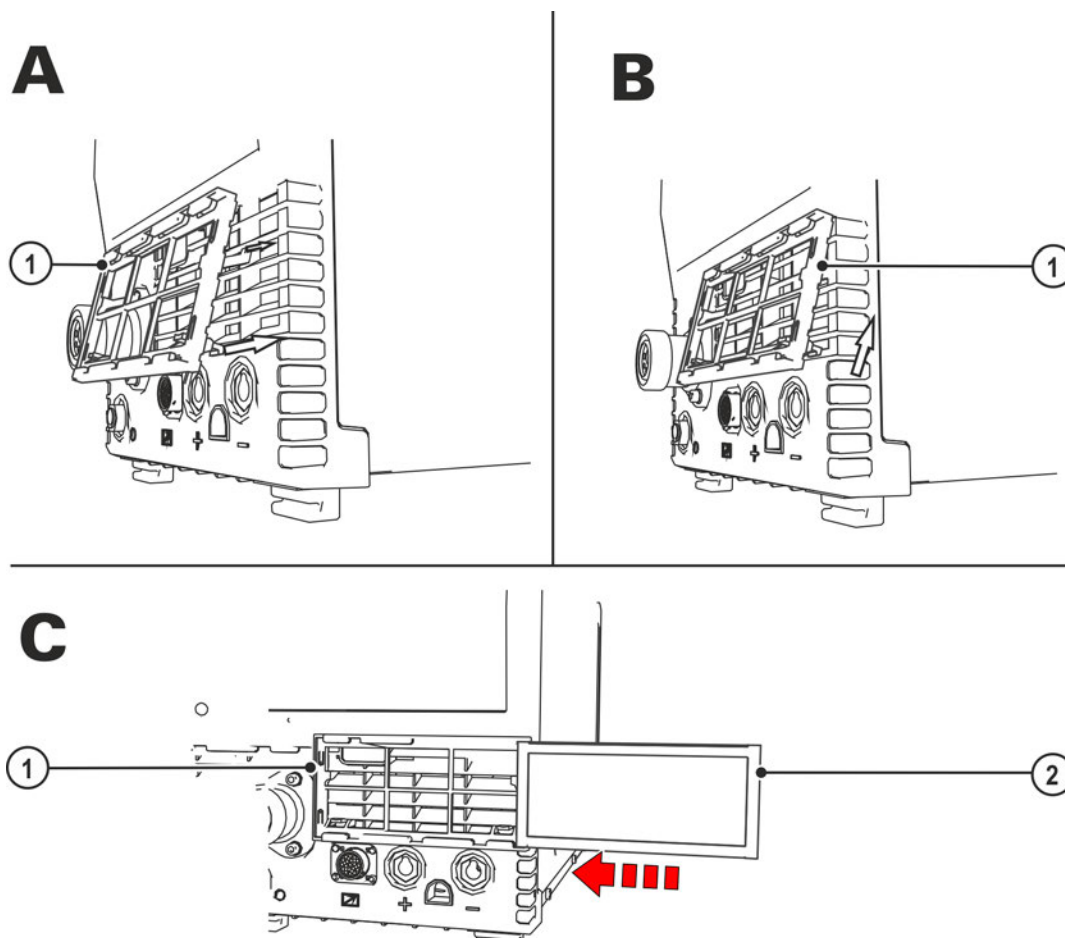


Figure 3-1

Section	Designation
1	Plastic frame KRF 190x92
2	Filter F185x85

- Insert the upper locking hooks of the plastic frame into the third slit (counted from the top).
- Latch the plastic frame in place by pressing the lower locking hooks into the slits.
- Slide in the filter from the right side.

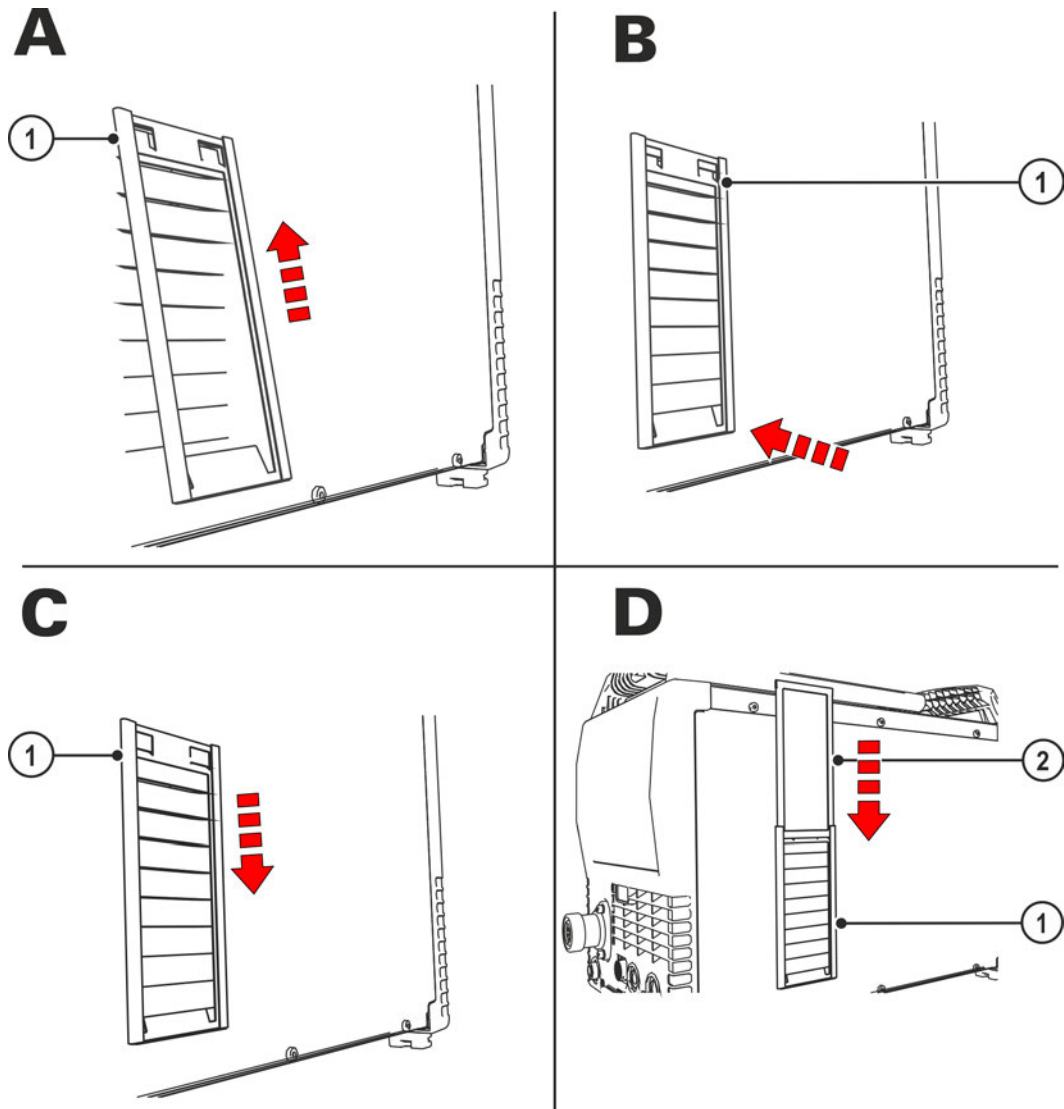
3.2 Side view


Figure 3-2

Section	Designation
1	Metal frame BHF 190x90
2	Filter F185x85

- Insert the metal frame with the upper locking hooks into the top slit.
- Insert the metal frame with the lower locking hook into the bottom slit.
- Push the metal frame down and latch in place with the locking hook.
- Slide in the filter from above.

3.3 Final inspection
WARNING

Danger due to failure to carry out the final inspection!
Parts that are incorrectly fitted or that become loose are a source of danger.

- Check all mechanical connections to ensure that they are fitted correctly!
- Carry out the final inspection!
- Carry out the functional test!

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 Maintenance

4.1 Dirt filter

The duty cycle of the welding machine decreases as an effect of the reduced cooling air volume. The dirt filter must be removed at regular intervals and cleaned by blowing out with compressed air (depending on the level of soiling).