

# Origo™ FeedAirmatic M10

## Feeder unit for pneumatically operated Push-Pull guns PKB™ 250 and 400

### Sturdy and reliable

Sturdy design with galvanised metal casing for use in tough environments.

This electronic feeding unit is a part of ESAB well proven A9 pneumatic push-pull system. The feeding unit pushes the wire through the hose and the pneumatic welding gun PKB™ pull the wire by a compressed air operated turbine motor.

The motor driven wire feed unit in Origo™ FeedAirmatic is mounted on the output shaft of the electric motor and comprises a driven feed roller and a freewheeling pressure roller. Pressure is exerted on the wire by means of an adjustable spring mechanism.

Origo™ FeedAirmatic is fitted with a filter regulator. This drains automatically when the compressed air system is switched off. The pressure is permanently set at 5 bar.

### With safety in mind

Designed to meet the most rigid safety standard IEC 60974-5 with low voltage (42 V/AC) operations and overload protection circuit to eliminate breakdowns.

### Flexibility

The panel M10 is easy to operate with only one potentiometer for voltage adjustment (chopper controlled power sources) and a switch for remote ON/OFF. The wire feed speed is adjusted pneumatically from the PKB™ push-pull gun. The complete push-pull system consisting the wire feeding unit Origo™ FeedAirmatic, the push-pull gun PKB™ 250 or PKB™ 400 and a hose package. The system ensures smooth, problem-free wire feeding especially of soft aluminium wire in the dimension from 0,8 to 1,6 mm. Extended working radius additional to the different hose packages can be obtained by adding connection cables of the lengths 5, 10 and 15 m between the power source and the wire feed unit.

Complete hose packages are available in 3 different lengths: 5, 10 and 16 m.

Origo™ FeedAirmatic is designed for the step controlled power sources Origo™ Mig 320/410/510 and the chopper controlled power sources Origo™ Mig 402c/502c/652c.

### Panel functions M 10

Voltage adjustment	X
On/off switch for remote control	X
Digital V/A meter, option	(x)



Extra versatility can be provided by utilising one of the following mounting options for the Origo™ Feed.

Counterbalance & Mast, Wheel Kit or Hanging Bracket.

### Easy service and maintenance

The feeder mechanism is easy to access and all wear parts can easily be exchanged. One single pressure device makes it easy to adjust the appropriate feeding pressure.

All electric components are protected in a separate compartment.

- **The push-pull system ensures smooth, problem-free wire feeding** which is especially important when welding soft aluminium or other thin wires
- **Permits welding hose packages up to 16 m**
- **Extended working radius** with connection cables up to 31 m
- **Digital V/A meters** (Option)
- **TrueArcVoltage™ System**, measures the correct arc voltage value independent of the length of the interconnection cable, return cable or welding hose package
- **Extra versatility can be achieved** by attaching a counterbalance device, wheel kit and a hanging bracket.
- **Enclosed Wire Spool** keeps the wire clean

## Technical data

	<b>Origo™ FeedAirmatic</b>
Power supply, Vac/Hz	42, 50/60
Compressed air, bar	Min 5
Wire spool capacity, kg	18 (30 **)
Maximum spool diameter, mm	300 (440**)
Gun connector	ESAB, PKB™ 250/400
Capacity at 60% d.c. A	400
Enclosure class	IP 23
Enclosure class **	IP 2X
<b>Setting data</b>	
Wire feed speed, m/min (adjustable by the gun)	Max 15
<b>Dimension</b> (l x w x h), mm	
enclosed version (Encl)	690 x 275 x 420
<b>Weight, kg</b>	
enclosed version (Encl)	15
<b>Wire dimensions, mm</b>	
steel	0.6-1.6
stainless steel	0.6-1.6
aluminium	0.8-1.6
cored wire	0.8-1.6



## Ordering information

Origo™ FeedAirmatic, M10, Encl -23pole	0459 116 680
<b>Accessories Origo™ Mig 402c/502c/652c</b>	
Adapter 19 pole – 23 pole	0349 311 511
<b>Accessories Origo™ Feed</b>	
Wheel kit	0458 707 880
Spool cover, steel	0459 431 880
Strain relief for welding gun	0457 341 881
Strain relief for interconnection cables	0459 234 880
Lifting eye	0458 706 880
Quick connector MarathonPac™	F102 440 880
Adapter for 5 kg:s spool	0455 410 001
Counter balance device compl. 300 mm bobbin	0458 705 880
Counter balance device compl. 440 mm bobbin	0458 705 882
Adapter for spool diameter 440 mm	0459 233 880 **
Remote control MIG 2 (Only voltage adjustment)	0349 501 028
Remote control M1 (Only voltage adjustment)	0459 491 895
Remote interconnection cable M1, 5m	0459 553 880
Digital V/A meter for Origo™ Mig 402c/502c/652c	0455 173 882

**Delivery content: Allen key, hose clamp, 5 inlet nozzles for PKB™ and Instruction manual**

## Ordering information

PKB™ 250	0152 700 881
PKB™ 400	0152 470 881
PKB™ 400 45°	0152 470 882
Welding hose complete 5 m (PKB™ 250)	0460 380 880
Welding hose complete 10 m (PKB™ 250)	0460 380 881
Welding hose complete 16 m (PKB™ 250)	0460 380 882
Welding hose complete 5 m (PKB™ 400)	0460 380 883
Welding hose complete 10 m (PKB™ 400)	0460 380 884
Welding hose complete 16 m (PKB™ 400)	0460 380 885

## Interconnection cables – 23 pole incl. hose for compressed air

Air-cooled		
1,7 m	23 pole	0469 836 900
5,0 m	23 pole	0469 836 901
10,0 m	23 pole	0469 836 902
15,0 m	23 pole	0469 836 903



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