



TIGAID 315 AC/DC

Auxiliary equipment for TIG welding with direct and alternating currents

TIGAID 315 AC/DC

TIGAID 315 is an auxiliary unit for TIG welding, which can be easily connected to an existing manual welding power source.

TIGAID is equipped with H.F. ignition and automated gas flow. In combination with a modern power source it is possible to create a unit for advanced TIG welding, which allows current setting, slope functions and used together with pulse unit PHA 5 current pulsing.

Direct and alternating current welding

Light alloys such as aluminium and magnesium, are TIG welded using alternating current. For AC welding TIGAID is used together with a welding transformer. Stainless steel, copper, titanium, nickel and inconel and several alloyed steels are welded with direct current. For DC welding TIGAID is connected to a welding rectifier.



Foot switch FS 002
FS 002 controls the start and stop processes as well as regulating the current. Everything is controlled with the foot. The maximum welding current can be set using a potentiometer located on the foot pedal.



TIG-torch BTF
You can choose between aircooled and water cooled, with or without gasvalve and with or without a flexible neck. It all depends on the job. The major characteristics for the BTF torch program is its quality. The torches and torch outfits are designed to provide the outmost in convenience and versatility.

Technical data

	TIG AID
Connection voltage:	110, 220, 240V 50/60 Hz alt. 24V 50/60 Hz
Thermal load capacity:	315 A/35% duty cycle
Switch's cut-out capacity:	200 A direct current
Dimensions:	
Depth	340 mm
Width	300 mm
Height	315 mm
Weight	15 kg

Functions

Gas pre-flow (Set using a potentiometer on the circuit board)	0,1 - 5,0 s
Gas post-flow	1,0 - 60 s
Slope-up	0,1 - 10 s
Slope-down	0,1 - 10 s
AC/DC	
Socket for remote control, foot pedal, and pulse unit	
H.F. ignition (or non contact ignition)	
Current control	
2/4 step action function	
Current pulsing (obtained by connecting the pulse unit PHA 5)	
MMA-connection	

Ordering information

TIG AID 315 AC/DC 110/220/240V, 50/60 Hz, OKC-connection	369 136-882
TIG AID 315 AC/DC 24V, 50/60 Hz, OKC-connection	369 136-883
Connection kit for self-cooled torch and power source with remote control socket type Burndy	467 348-880
Connection kit for water-cooled torch and power source with Burndy socket	467 348-881
Connection kit for air-cooled torch and welding transformer	467 348-882
Foot pedal FS 002, incl. cable	349 090-886

For TIG-torches see separate brochure
for BTF

Quality accessories for the quality welder
ESAB offers a wide range of accessories. The complete range,
along with product information, is available at our local web-sites,
look at www.esab.com or contact your local ESAB dealer.

Unrivalled service and support

Our commitment and ability to deliver the expected service and
support starts immediately after the order is confirmed. We
endeavour to offer our customers an After Sales service, which
is second to none. A strong and skilful service organisation is
prepared to offer service and maintenance, calibration,
validation and upgrading of equipment and software.

The service organisation will offer standardised solutions for
the reconditioning or modification of existing products.

Spare and wear parts are manufactured according to ESAB's
quality plan. Exchange Printed Circuit Board (PCB), exchange
modules and components are available for all our products in
order to reduce downtime to an absolute minimum. ESAB is
continuously upgrading authorised service partners for local
service support. Customers who have their own service and
maintenance personnel will always be offered a service-training
package as part of a total ESAB offering. However, product
and process training for end-users will form an additional part
of the ESAB offering. Always ask your ESAB sales
representative or distributor for a complete ESAB solution.

*ESAB reserves the right to alter specifications without prior notice
ESAB is approved according to ISO 9001:2000*



ESAB AB
Herkulesgatan 72, Box 8004
SE-402 77 GÖTEBORG SWEDEN
Phone: +46 31 50 90 00 Fax +46 31 22 04 49
E-mail: info@esab.se
www.esab.com

