



# PRESTOTIG 315DC & 415DC

Industrial TIG welders  
for tough conditions

## Industrial TIG welders for tough conditions

### PRESTOTIG 315DC & 415DC

have been manufactured in a light-weight but robust outer casing, making them portable and ideal for operation even in the most hazardous environments. These machines feature HF TIG ignition, Lift TIG ignition, 2 or 4 step, variable down slope, post-flow control, digital pre-set meters with hold functions and built-in variable Pulse. Unique pre-settable starting mode allows excellent HF arc start in any welding conditions. Both machines have been designed, not only as a TIG welder, but to also operate as a stick welder with a variety of popular stick electrodes including Cellulosic. They can be simply converted to a water-cooled unit by adding the COOLERTIG 3 (315) or COOLERTIG 4 (415). Robust, stable and well equipped, carts are available for easy movement of the units.



Processes  
**STICK, LIFT TIG,  
TIG HF, TIG PULSE**

Output



Input



### Advantages

- › Lightweight but robust and rugged outer casing
- › Pulse, Pulse High Frequency, unique HF start mode setting, TIG Spot welding...
- › Water Coolers and Cart available

### Benefits

- › Ideal for both indoor and outdoor applications.
- › Ideal for high quality welding on thin metal sheets, for process and food industry
- › Easy transportation on the welding site

# PRESTOTIG 315DC & 415DC



## Features

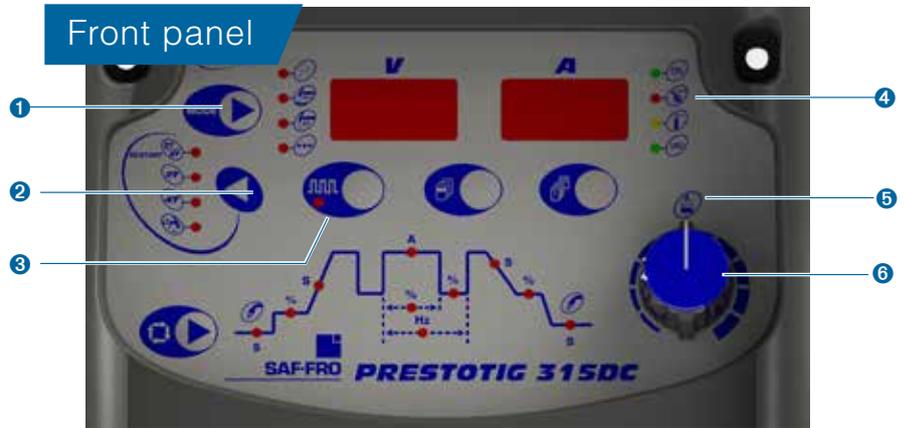
- › Advanced inverter technology for superior TIG performance
- › Full function user-friendly control panel layout with graph and a numeric display make it easy to set all welding parameters
- › Rugged construction : electrical safety (IP23S), potted PC boards and optimum airflow reduce contamination to extend the equipments life in the harshest environmental conditions
- › HF and Lift TIG ignition meeting all requirements
- › Perfect TIG HF starting with pre-settable starting mode
- › Complete TIG parameters setting : Pulse TIG with variable frequency that allows the welder to adjust the arc focus to suit the applications, 10 memory locations for personalized welding settings, TIG Spot welding
- › Water Coolers and Carts available

## Applications

### Heavy outdoor & indoor applications

- ✓ Shipyard, Offshore
- ✓ Construction site
- ✓ Building, Structural steel
- ✓ Heavy maintenance
- ✓ Hardfacing
- ✓ Rental companies

## Front panel



- 1 Mode push button
- 2 Trigger mode setting
- 3 Pulsing Mode Pushbutton
- 4 Digital Meter
- 5 Memory
- 6 Current Control

## Technical characteristics

| Product                       | PRESTOTIG 315DC                 | PRESTOTIG 415DC                |
|-------------------------------|---------------------------------|--------------------------------|
| Primary Voltage (50-60Hz)     | 400V / 3Ph                      |                                |
| Current Range (A)             | 5-300                           | 5-400                          |
| Duty cycle at 40 °C           | 300A/22V/40%<br>220A/18.8V/100% | 400A/26V/35%<br>300A/ 22V/100% |
| Fuse size (A)                 | 20                              | 30                             |
| Weight (kg)                   | 21                              | 35                             |
| Dimensions H x W x D (mm)     | 404 x 240 X 533                 | 464 x 290 x 660                |
| Protection / Insulation Class | IP23 / S                        |                                |

## To order

| Designation                  | Item Number  |
|------------------------------|--------------|
| <b>PRESTOTIG 315DC</b>       | W000403580   |
| <b>PRESTOTIG 415DC</b>       | W000403582   |
| KIT 25C50 3m                 | W000260684   |
| KIT 35C50 4m                 | W000011139   |
| KIT 50C50 4m                 | W000260681   |
| PROTIG IIIS 35W RL C5B-S 5M  | W000382725-2 |
| PROTIG NGS 35W EB C5B - 5M   | W000278404-2 |
| PROTIG IIIS 40 RL C5B-S - 5M | W000382721-2 |
| PROTIG NGS 40 EB C5B - 5M    | W000278400-2 |
| COOLERTIG 3 (315DC)          | W000403940   |
| COOLERTIG 4 (415DC)          | W000403941   |
| CART 3 (315DC)               | W000404145   |
| CART 4 (415DC)               | W000404146   |
| REMOTE CONTROL 15m           | K10095-1-15M |
| FOOT REMOTE CONTROL          | K870         |



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