



COMPACT LINE
ABSOLUTE
SIMPLICITY

Ph. Aquatherm GmbH

www.ritmo.it



Compact 160

WHEN SPACE IS MISSING

Compact line, minimalist two-clamp welding machines for welding PE and PP plastic pipes on the ground, suspended or in all those situations with limited spaces. This is why they are created light and designed with ease of use.

Versatile models, designed to become even “smaller” thanks to the machine body that can be easily detached from the frame.

Attention to detail, tested quality and reliability are the basis of the Compact line. Surprising welders, capable of adding another jaw (accessory on request) and finding themselves with extraordinary operational modularity.

The working range of the Compact line is from a diameter of 40 mm up to a size of 630 mm.

IDEAL FOR TIGHT SPACES

FOR PRE-INSULATED PIPE
MODEL COMPACT 355

LIGHTWEIGHT

HANDY

MODULAR

Electro-hydraulic control unit like the Basic 160 model



Heating plate, facer, and stand like the Basic 160 model



Inserts like the Basic 160 model

Compact 160



Component modularity

VALUE OF THE SYSTEM

INTEGRATED

The Compact concept was created technologically integrated with the Ritmo butt welding machine product line. This means added value for the customer. To work on construction sites, Compact can take advantage of many Ritmo hardware components already in the customer's possession; a necessary requirement is the correspondence of the working field.

COMPACT 160

The Compact 160 machine body can use the following elements of the BASIC 160:

- Hydraulic control unit
- Facer
- Heating Plate
- Stand facer / heating plate
- Inserts

COMPACT 250

The Compact 250 machine body can use the following elements of the BASIC 250:

- Hydraulic control unit
- Facer
- Heating Plate
- Stand facer / heating plate
- Inserts

COMPACT 355

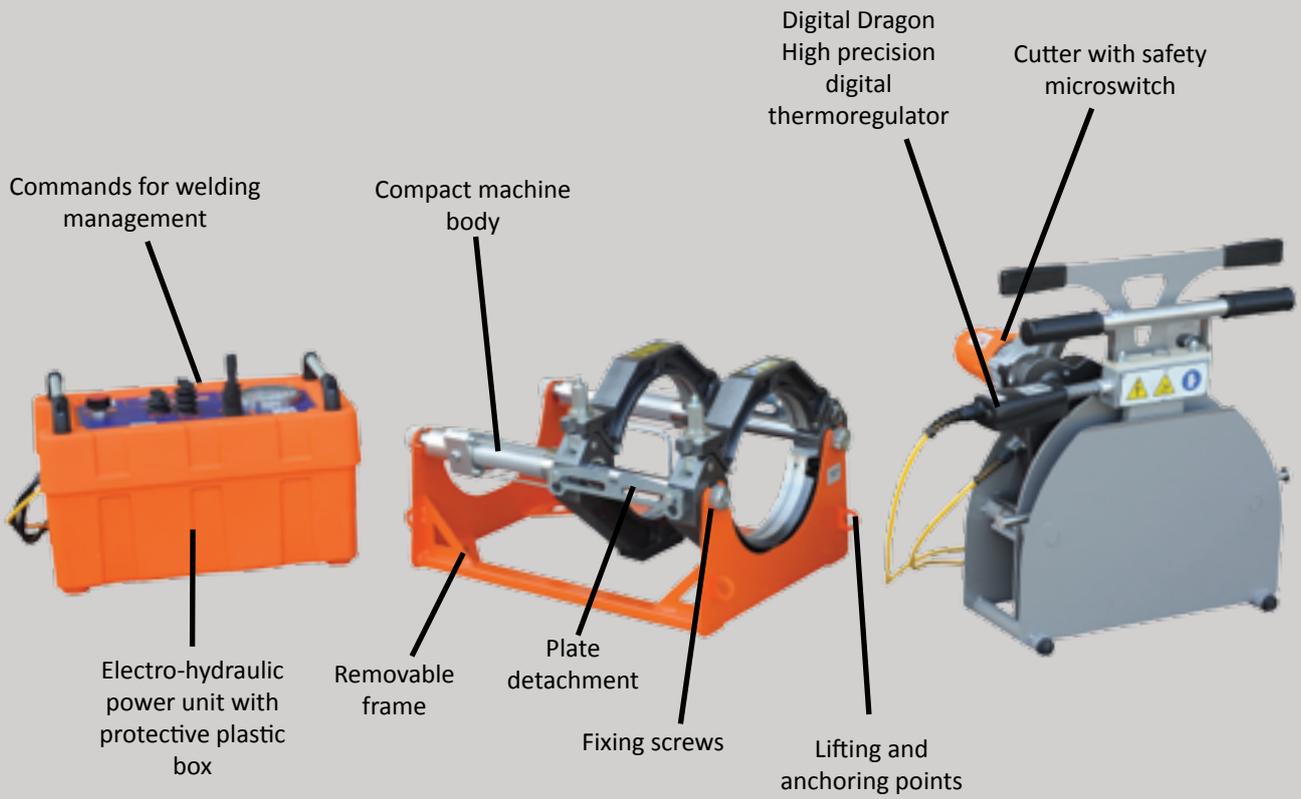
The Compact 355 machine body can use the following elements of the BASIC 355:

- Hydraulic control unit
- Facer
- Heating Plate
- Stand facer / heating plate
- Inserts

COMPACT 630

The Compact 630 machine body can use the following elements of the DELTA 630:

- Hydraulic control unit
- Facer
- Heating Plate
- Stand facer / heating plate
- Inserts



Compact 250

It only takes a few moments to have:

- lightness
- less clutter

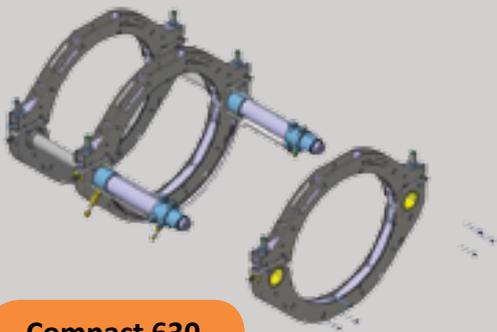
Unhooking the machine body from the frame has never been easier! The operation is done manually and without the use of keys or accessories in the Compact 160 and Compact 250 models.



TRANSFORM ME HOWEVER YOU WANT



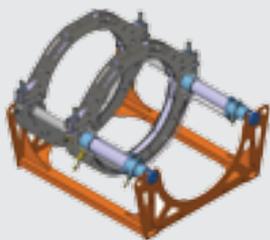
Compact 250



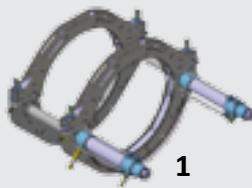
Compact 630

COMPACT MODULARITY: ADDED VALUE

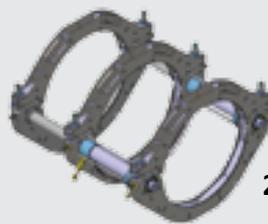
With the use of the third jaw (accessory on request) new potential opens up on your construction site.



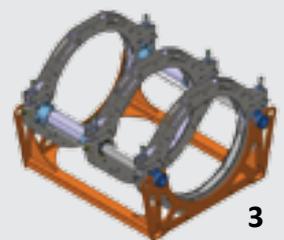
Standard configuration



1



2



3

Other configurations

Examples of welding modularity.

Third jaw is an accessory on request for the models:

Compact 160

Compact 250

Compact 630



Compact 630

SMALL, MEDIUM LARGE

From diameter 40 mm to 630 mm. There are many combinations where the modularity of the Compact system is used.

Compact 630 can be accessorized on request with slim reductions, while Compact 355 can be supplied with IPS 4" ÷ 14" inch inserts

Compact 160



SENSE OF SECURITY WITH ALL MATERIALS

NEVER BACK DOWN

Simplicity does not mean giving up quality welding.

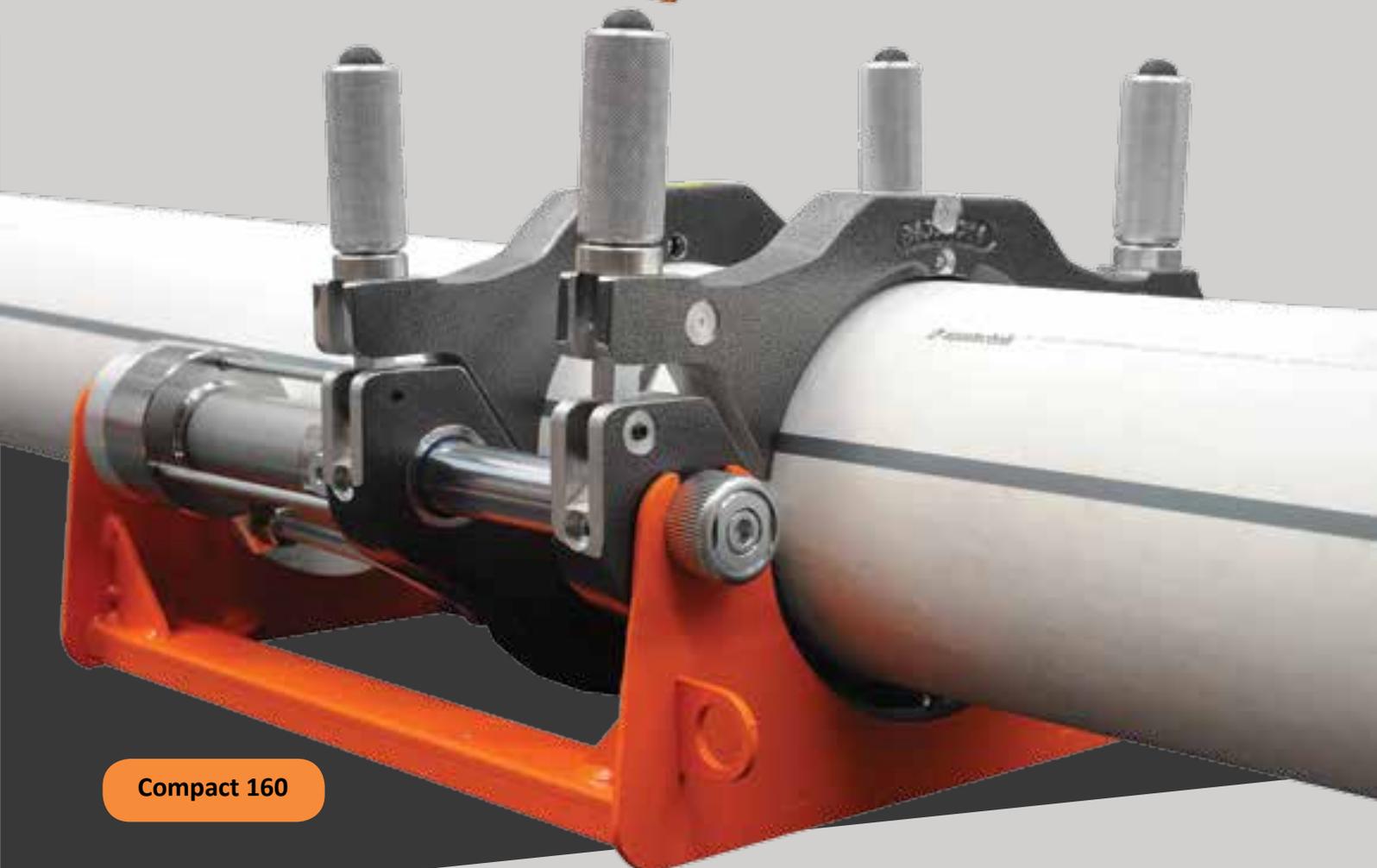
The construction care and the materials used in the compact line are a guarantee of reliability over time. Welding HDPE or PP pipe will never be a problem for you. Align the pipe, Ritmo will take care of the quality of the weld! Welders compliant with iso 12176-1: 2017.



Compact 250



Compact 160



Compact 160

COMPACT 355 WITH PRE-INSULATED PIPE

COMPACT 355 is a welding machine with external cylinders which is also suitable for welding pre-insulated pipes between diameters 125 and 355 mm.

The machine body in this welding machine cannot be removed from the frame and it is not possible to add the third jaw.



Compact 355

TECHNICAL FEATURES

| | COMPACT 160 | COMPACT 250 | COMPACT 355 | COMPACT 630 |
|--|---|---|--|---|
| Working Range* | 40 ÷ 160 mm | 75 ÷ 250 mm | 125 ÷ 355 mm 4" ÷ 14" IPS | 280 ÷ 630 mm |
| Materials | HDPE - PP Other thermoplastic materials | HDPE - PP Other thermoplastic materials | HDPE - PP Other thermoplastic materials | HDPE - PP Other thermoplastic materials |
| Pre-insulated pipe | - | - | √ | - |
| Working ambient temperature | -10° ÷ 40° C (14° ÷ 104° F) | -10° ÷ 40° C (14° ÷ 104° F) | -10° ÷ 40° C (14° ÷ 104° F) | -10° ÷ 40° C (14° ÷ 104° F) |
| Power requirements (Vac) | 230 V Single phase | 230 V Single phase | 110 V Single phase or 230 V Single phase | 230 V Three phase or 400 V Three phase |
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Max absorption | 2220 W | 3420 W | 4900 W - 110 V 5300 W - 230 V | 12350 W |
| Machine dimension with chassis | 404 x 495 x 294 mm 15.9" x 19.5" x 11.5" | 548 x 675 x 385 mm 21.5" x 26.5" x 15.1" | 787 x 336 x 560 mm | 1120 x 1088 x 852 mm 44.1" x 42.8" x 33.5" |
| Machine dimension without chassis | 404 x 443 x 284 mm 15.9" x 17.4" x 11.1" | 548 x 609 x 360 mm 21.5" x 24" x 14.1" | - | 1120 x 1000 x 794 mm 44.1" x 39.3" x 31.2" |
| Machine weight with chassis | 22 Kg (48,5 lb) | 37 Kg (81.5 lb) | 55 Kg (121.2 lb) | 200 Kg (441 lb) |
| Machine weight without chassis | 18 Kg (39.6 lb) | 29 Kg (63.9 lb) | - | 154 Kg (339,5 lb) |

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