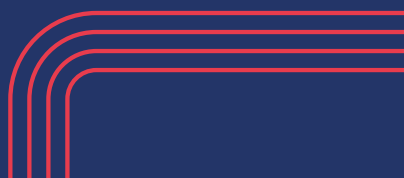




Welders for Socket Fusion Welding



PLASTIC WELDING
WWW.DYTRON.EU

Electronic Hand Welders POLYS P-4 for Professionals

Advantages of POLYS P-4 Welders



Advantages of POLYS P-4 Welders

-  electronic control provides accurate setting and temperature stability
-  up to three adaptors can be installed simultaneously on the best selling rod welder P-4a 650W
-  new type of P4b TW plus control panel allows easy set up of the welder
-  the 1200W plate welder can weld dimensions up to 125 mm
-  blue DT coating provides double life cycle when compared with the standard black coating
-  TraceWeld® audio signalling simplifies monitoring of all phases of the welding cycle
-  special power supply cord resists contact temperatures of up to 280°C
-  the welders are intended for a continuous operation, they feature excellent mechanical resistance and long life cycle

Electronic Hand Welders POLYS P-4 for Professionals

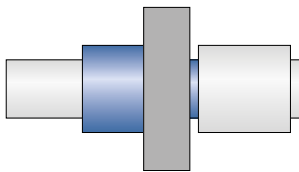
Controls of POLYS P-4 Welders

Audio Signalling TraceWeld®

During its development, our company strives to equip our welding machines with the best and most reliable control features and to find new ways of how to improve the weld quality. Therefore, we have developed the original TraceWeld® system that significantly improves and simplifies the process of socket fusion welding because the operator is acoustically signalled the passage of all significant technological times of the welding process. For correct functioning of this system, it is only necessary to set the pipe diameter and welding temperature. After placing the fitting and the pipe in the adaptor, just press a push button and make the weld according to the acoustic signals without the necessity to monitor time.

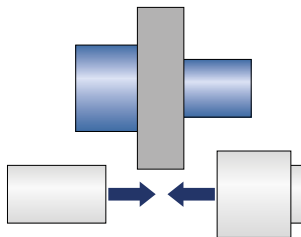
MELTING TIME

Short audio signal indicates the beginning of the welding process, i.e. heating of the pipe and fitting to be welded.



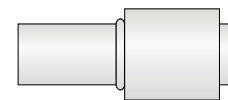
PIPE FIXING TIME

Quickly interrupted audio signal defines the phase for connecting of the pre-heated pipe and fitting. The time must not be exceeded.



COOLING TIME

Long audio signal indicates the end of the welding process. In this moment, the weld fixed during the process may be released.



Types of control of the hand welders



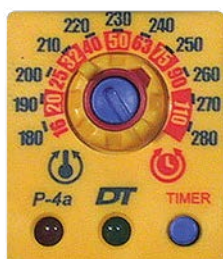
POLYS P-4a

- ▶ continuously adjustable control
- ▶ temperature range 180 - 280 °C
- ▶ temperature setting using a rotary control knob



POLYS P-4b TraceWeld® Plus

- ▶ control adjustable in steps
- ▶ temperature range 180 - 280 °C
- ▶ setting of welding temperature by entering the pipe diameter and type of material
- ▶ audio signal



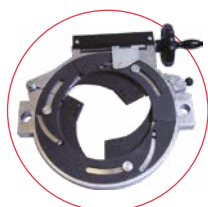
POLYS P-4a TraceWeld®

- ▶ continuously adjustable control
- ▶ temperature range 180 - 280 °C
- ▶ temperature and diameters are set using a rotary knob
- ▶ audio signal

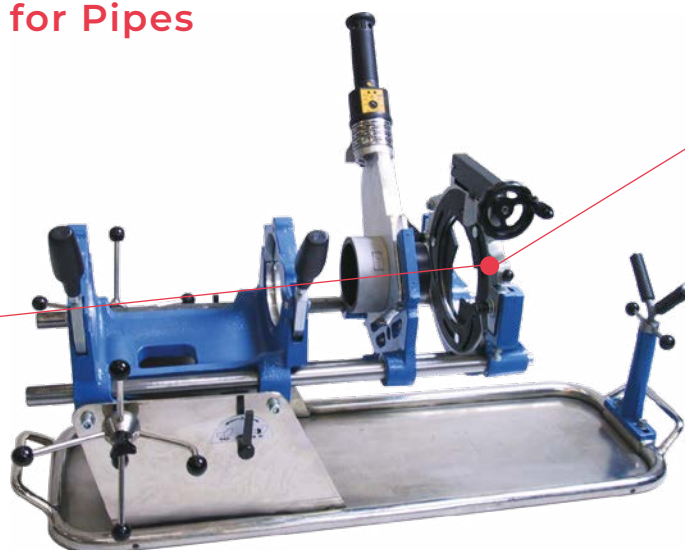
Mobile Equipment for Socket Fusion Welding

MP 110

Mobile Welding Unit for Pipes up to \varnothing 110mm



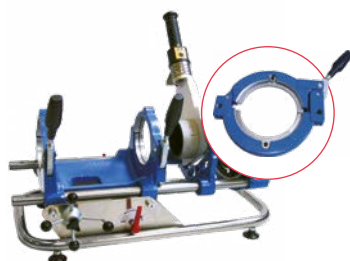
Universal Clamp



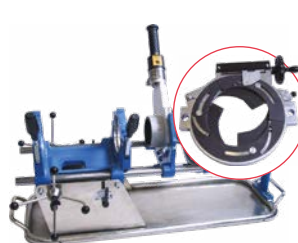
Special Clamp



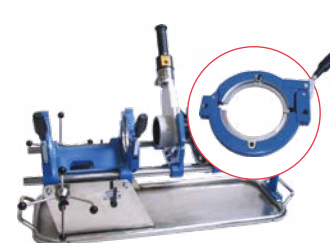
MP - 110 UM
(Universal - Mobile)



MP - 110 SM
(Special - Mobile)



MP - 110 UD
(Universal - Workshop)



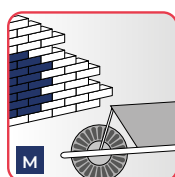
MP - 110 SD
(Special - Workshop)

VERSION	DIAMETER (MM)	WEIGHT	WELDER	VOLTAGE	ORDER NO.
MP - 110 SM	40, 50, 63, 75, 90, 110	43,7 kg	POLYS P-4 1250 W	230 V	03970
MP - 110 UM	40, 50, 63, 75, 90, 110	47,9 kg	POLYS P-4 1250 W	230 V	03969
MP- 110 UM EKO	63, 75, 90, 110	47 kg	POLYS P-4 1250 W	230 V	36584
MP - 110 UD	40, 50, 63, 75, 90, 110	58 kg	POLYS P-4 1250 W	230 V	01652
MP - 110 SD	40, 50, 63, 75, 90, 110	53,8 kg	POLYS P-4 1250 W	230 V	03968
MP - 110 UD EKO	63, 75, 90, 110	57,1 kg	POLYS P-4 1250 W	230 V	03967

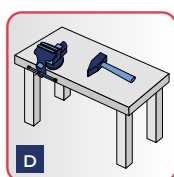
EKO version only differs in the number of adaptors

Included in the set clamping device (with selected clamp) · welder POLYS P-4 1250W · pair adaptors with blue DT coating · reduction inserts according to the selected version · stand for welder · centering device · special clamping inserts · sheet metal case for accessories · 5 mm, 6 mm, 8 mm inbus key

Advantages of MP Series



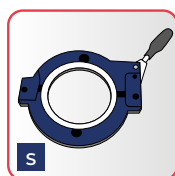
mobile equipment for field and construction work



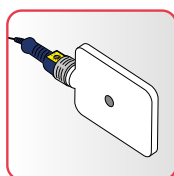
workshop equipment for welding on a workbench



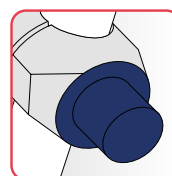
universal clamp for all types of fittings



special clamp with inserts for specific types of fittings



equipment price includes electronic welder POLYS P-4



blue DT coating provides double life cycle during regular use

Mobile Equipment for Socket Fusion Welding



MP 75 Mobile Welding Unit for Pipes up to Ø 75 mm

- ▶ any clamping jaw can be removed from the unit when working with oddly-shaped pipes
- ▶ any welder can be used for working with the unit
- ▶ the unit is intended for welding of diameters of 40 - 75 mm
- ▶ easy control with the possibility of locking the unit in the desired welding position

VERSION	DIAMETER (MM)	WEIGHT	ORDER NO.
MP 75	40, 50, 63, 75 mm	22 kg	01413

ST 160 Multi-Functional Equipment for Butt/Socket Fusion Welding



MODEL		ST 160
Welding diameter	socket fusion welding	40-110 mm
	butt welding	40-160 mm
Power demand	welder	1200 W
	trimmer	630 W
Voltage		230 V
Temperature control		electronic
Temperature range		180-280 °C
Indication of temperature		LED
Trimmer		electric
Weight		70 kg
Order No.		01657

 more information on this equipment in the section „Butt Welding“

Included in the set clamping device · welder P-4c 1200W · trimmer · reduction inserts for clamping device Ø 40, 50, 63, 75, 90, 110, 125, 140 mm · pair adaptors Ø 40, 50, 63, 75, 90, 110 mm · left clamp for fittings · butt mirror attachments Ø 170 · sheet metal case for accessories · stainless steel assembly bench · 4 mm and 8 mm inbus keys

DT meter Digital Thermometer

- ▶ essential for checking the temperature of heating surfaces of welding machines and adaptors
- ▶ compact and sturdy transport case provides reliable protection for the equipment including contact probe and charger cable
- ▶ battery-based operation with possibility of recharging using the built-in charger
- ▶ range of measured temperatures 0 - 400°



DIGITAL THERMOMETER DT METER	ORDER NO.
DT meter with contact sensor	02000

Included in the set thermometer · contact sensor · supply cable

Welders for socket fusion welding are used for joining of pipes and fittings of 16 - 125 mm in diameter made from thermoplastic materials (usually PP, PE, PB or PVDF) intended primarily for internal distribution of water or for heating.

The welders can be delivered either individually in the SOLO version (in a cardboard box) or with adaptors and accessories in the MINI or PROFI versions (in practical sheet metal cases). The advantage of the PROFI cases is that it is possible to place the welder and the adaptors in it while they are still hot. Another advantage of the PROFI case is a special partition wall for the cable storage.

POLYS P-4



The hand welders are intended for professionals because they include exact electronic control and an original acoustic weld guide, TraceWeld (depending on type). The most interesting advantage is their possible continuous operation even under demanding conditions. The best selling group, the rod welders with power demand of 650W, allow operation in very confined spaces and a possibility of attaching up to three adaptors at once. For those preferring traditional welders, we can offer the knife version with the option of attaching two adaptors at once. For welding of big diameters of up to 125 mm we offer the 1200W plate welder.

POLYS P-1



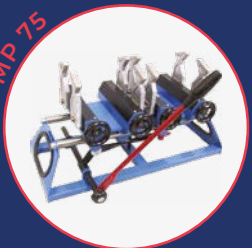
The welders equipped with thermostatic control are intended mainly for occasional operations, i.e. as an add-on to the P-4 line or for handymen. The heaters are either of the rod or knife designs. The extra feature of these welding machines is the rod angle design P-1b that allows working in confined spaces when working "around the corner".

MP 110



Sturdy professional equipment is intended for socket fusion welding of pipes and fittings up to 110 mm in diameter. The set includes all the necessary accessories stored in a practical case. The reduction inserts for the STABI pipes can be ordered optionally. The equipment is manufactured in a more compact and lighter version for workshop operation or in a field version with weld protection against impurities, which includes support of the pipes being welded to ensure correct weld alignment.

MP 75



Light welding fixture is controlled using a lever where the continuously adjustable clamping jaws permit fixed clamping and welding of fittings and pipes of 40 – 75 mm diameters. The low weight of this equipment is an advantage and it can be further reduced by removing the clamping jaw and therefore this equipment provides best results for hard to reach welds, e.g. under a ceiling.

ST 160



This is a unique mechanical equipment which allows performing of both socket fusion welding up to diameter of 110 mm and butt welding up to diameter of 160 mm. The supplied universal clamp provides exact fixation of any fitting during socket fusion welding. Another plus of this equipment is the mobile stainless steel bench suited for easy manipulation of the equipment. This equipment can be used for welding of water pipings and sewer pipes.



Precision electronic thermometer with touch sensor. It is recommended for checking of temperature of the welding surfaces and adaptors.