



PIPE
WELDING
SYSTEMS



BUTT FUSION WELDING MACHINE

WIDOS field machine are designed and manufactured in Germany for pipeline construction and can be used in the field or for on-site installations. The machine sets consists of basis hydraulic unit, planer, heating element, reception box and tool kit.



4400	OD 50-160	4955	OD 90- 355
4600	OD 75- 250	5100	OD 200- 450
4900	OD 90-315	5500	OD 200-500

6100	OD 315-630	10000	OD 500-1000
8000	OD 450-800	12000	OD 710-1200

in mm



Made in Germany

VALI VPWS 160 / VPWS 250/
VPWS 315/ VPWS 355
AUTOMATIC BUTT FUSION
MACHINE

Ideal for butt welding of PE, PP, PVDF pipes and fittings. Compact design, these machine make the fusion process easy and guarantee performance every day.



FEATURES

- Ergonomic design for basic frame with hydraulic unit, planning tool and heating plate.
- Suitable for sanitary installation, drain pipe installation, gas pipes, and other fluids.
- PTFE coated heating plate, adjustable temperature knobs.
- Electronic count down timer for heating and cooling time.
- Low starting pressure ensures reliable welding quality of small pipes



VALI PRODUCT DETAILS

MODEL	VPWS 160	VPWS 250	VPWS 315	VPWS 355
Pipe welding Ranges {in mm}	63, 75, 90, 110, 125, 140, 160	63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355
Working Voltage	220V, 50/60 Hz	220V, 50/60 Hz	220V, 50/60 Hz	220V, 50/60 Hz
Heating Plate Max. Temp	270°C	270°C	270°C	270°C
Deviation in heating plate surface temperature	<±5°C	<±5°C	<±5°C	<±5°C
Pressure Adjustment Ranges	0-7 Mpa	0-7 Mpa	0-7 Mpa	0-7 Mpa
Heating Plate Power	1KW	2KW	3KW	4KW
Planning Tool Power	0.7KW	1.1KW	1.1KW	1.1KW
Hydraulic Unit Power	0.75KW	0.75KW	0.75KW	0.75KW
Total Power	2.45KW	3.85KW	4.85KW	5.85KW
OPTIONAL	Stub Flange Adapter			







VALI VPWS 450 / VPWS 500 AUTOMATIC BUTT FUSION MACHINE

Ideal for butt welding of PE, PP, PVDF pipes and fittings. Compact design, these machine make the fusion process easy and guarantee performance every day.

VALI PRODUCT DETAILS



MODEL	VPWS 450	VPWS 500
Pipe welding Ranges {in mm}	200, 225, 250, 280, 315, 355, 400, 450	200, 225, 250, 280, 315, 355, 400, 450, 500
Working Voltage	380V ,3P, 50/60 Hz	380V ,3P, 50/60 Hz
Heating Plate Max. Temp	270°C	270°C
Deviation in heating plate surface temperature	<±7°C	<±7°C
Pressure Adjustment Ranges	0-8 Mpa	0-8 Mpa
Heating Plate Power	5.38KW	6.5KW
Planning Tool Power	1.5KW	1.5KW
Hydraulic Unit Power	1.5KW	1.5KW
Total Power	7.28KW	8.4KW
OPTIONAL	Stub Flange Adapter, Winch kit, Compact Trolley	

VALI VPWS 800 / VPWS 1000 AUTOMATIC BUTT FUSION MACHINE

Ideal for butt welding of PE, PP, PVDF pipes and fittings. Compact design, these machine make the fusion process easy and guarantee performance every day.



VALI PRODUCT DETAILS

MODEL	VPWS 630	VPWS 800	VPWS 1000
Pipe welding Ranges {in mm}	315, 355, 400, 450, 500, 560, 630	450, 500, 560, 630, 710, 800	630, 710, 800, 900, 1000
Working Voltage	380V ,3P, 50/60 Hz	380V ,3P, 50/60 Hz	380V ,3P, 50/60 Hz
Heating Plate Max. Temp	270°C	270°C	270°C
Deviation in heating plate surface temperature	<±7°C	<±7°C	<±7°C
Pressure Adjustment Ranges	0-8 Mpa	0-16 Mpa	0-16 Mpa
Heating Plate Power	9.35KW	12.5KW	17.5KW
Planning Tool Power	1.5KW	2.2KW	3KW
Hydraulic Unit Power	1.5KW	3KW	3KW
Crane Power	1.1KW	1.1KW	1.1KW
Total Power	12.35KW	18.7KW	24.5KW
Weight	780KG	1360KG	2600KG
OPTIONAL	Stub Flange, Adapter, Compact, Trolley , Data logger		



ELECTRO FUSION WELDING MACHINE



With Arabic language interface

The electro fusion control units of type Tiny Data MF USB (Bluetooth) and poly control Plus USB (Bluetooth) V2.0 are solely meant for the welding of thermoplastic pipes (e.g. made of PE-HD, PE80, PE100 or PP) when used with electectero fusion fittings that have an input voltage of less than 48 V. These devices are conforming to the standards DVS 2208-1 and ISO 12176-2, of which the applicable standards for the electro fusion fittings to be used are derived from



PFS	Tiny Data MF USB	Poly Control Plus USB
Welding Range	20 -630mm.	20-1600mm
Display	4x20 characters, small, backlit	4x20 characters, small, backlit
Output voltage	8 -48 AC	8 -48 AC
Input voltage	230V AC (190 - 300 V)	230V AC (190 -300 V)
Input Frequency	50/60 Hz (40 - 70 Hz)	50/60 Hz (40-70 Hz)
Power	3680 VA	3800 VA
Data Recording	Yes	Yes
Barcode input	Yes, Reading Pen	Yes, Reading Gun
Smart Fuse	Yes,	Yes
Bluetooth	Yes	Yes
Interface	USB	USB
Length of the cord	4.5m	5m
Welding terminal	Universal 4.0/4.7mm	Universal 4.0/4.7mm
Dimension	325 x275x290mm	230x317x435mm
Weight	18.5kg	23.8kg

ACCESSORIES

ROTATIONAL PIPE CUTTER (S- TYPE)

SIZES: 20-75MM, 50-140MM, 90-160MM



ROTATIONAL PIPE CUTTER (PF- TYPE)

SIZES: 32-125MM, 63-200MM, 90- 315MM



HAND SCRAPPER

SIZES: 38MM & 63MM



ROTATIONAL PEELING TOOL

SIZES: 20-125MM, 63-200MM ,90-315MM



PIPE END SCRAPPER

SIZES: 63-200MM ,90-315MM ,180-400



U-PEELER

SIZES: 63-315MM ,2-12" IPS ,3-12" DIPS



SOCKET FUSION WELDING MACHINE

Vali PPR 63 series of plastic pipe socket fusion tools, are hand - held electronic tools for heating and joining plastic & fittings. They can be effectively for welding of PPR, PVDF, PP, HDPE and PB.



Working Range	20mm - 63mm
Voltage Rating	230 V (60Hz)
Power	870W
Working Temperature	260°C ±30%
Applicable Material	PP-R, PE, PP, PB, PVDF
Dimension	370 x 125 x 50 (mm)
Weight	1.8kg

Working Range	75mm - 160mm
Voltage Rating	230 V (60Hz)
Power	1800W
Working Temperature	260°C ±30%
Applicable Material	PP-R, PE, PP, PB, PVDF
Dimension	370 x 125 x 50 (mm)
Weight	4.0kg



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