



# MU IV

TIG - With or without filler wire, AVC, OSC

## Open welding head

for welding of tube to tube joints,  
tube to elbow joints...



**POLYSOUDE**  
THE ART OF WELDING

# MU IV Open welding head

for welding of tube to tube joints, tube to elbow joints...

A range of modular standard welding heads, perfectly adapted to your needs

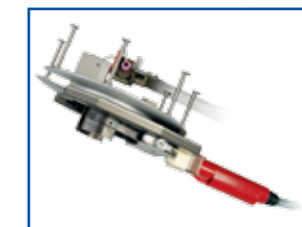
## Advantages

- ▶ Productivity increase of more than one third
- ▶ Easy to use
- ▶ Challenging applications, even with delicate materials, can be welded
- ▶ Quick to set-up according to the workload making variations in production capacity trouble free
- ▶ Precision engineered assemblies for a lifetime of trouble-free service

Resulting from 50 years' experience in mastering welding technologies



MU IV for use with external wire feeder



Drive motor with angle gearbox for reduced axial clearance



MU IV with integrated wire feeder



MU IV with AVC/OSC

## Associated Power Sources



### ▶ PS 164-2

160 A, "all inclusive", portable, single-phase power supply



### ▶ P4

170 A, "modular", portable, programming by PC or touch screen, single-phase power supply



### ▶ P6

300 A, "all applications", programming by PC or touch screen, with Arc Voltage Control (AVC) and Torch Oscillation Control (OSC), three-phase power supply

## Wire feeders



### ▶ Polyfil series

External portable wire feeders with spool protection



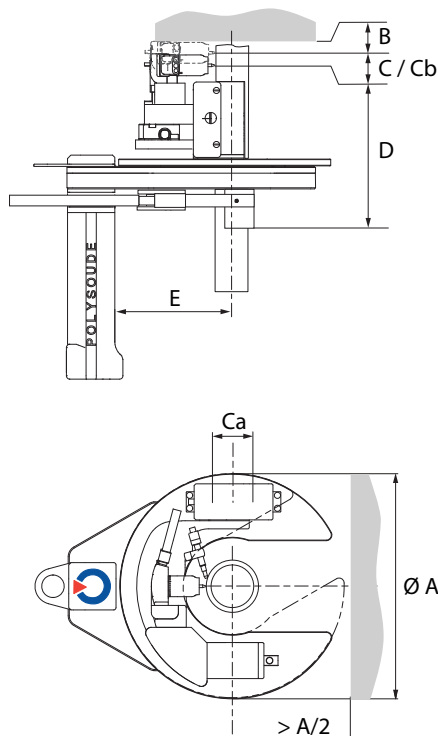
 Adapted for all your applications!



*"As working conditions are better than in manual welding, a welding operator accomplishes on average 30% more welds per day."*

# Technical specifications

Cable length: 9m



P – Chuck clamping system  
 C – Shell clamping system  
 NA = Non Applicable  
 ◆ = reduced

	Type	Dimensions in mm					
		Double clamping system recommended Min. O.D. / Max. O.D.	Ø A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
P-clamping – adjustable for the entire O.D. range	MU IV CW Ø <sub>min.</sub> / Ø <sub>max.</sub>						
	MU IV 8/38 CW P	NA	126	16	5	96	72
	MU IV 14/38 CW P ◆	NA	96	12	5	96	72
	MU IV 19/80 CW P	NA	172	16	5	97	103
	MU IV 25/115 CW P	NA	215	16	5	101	148
	MU IV 25/128 CW P	NA	240	16	5	99	173
	MU IV 76/195 CW P	NA	410	30,5	14	158,5	208
MU IV 114/275 CW P	NA	500	30,5	14	172,5	276	
C-clamping – one shell per O.D.	MU IV 14/38 CW C	Ø 14 ÷ 38	126	16	5	79	72
	MU IV 14/38 CW C ◆	Ø 14 ÷ 38	96	12	5	79	74
	MU IV 30/58 CW C ◆	Ø 30 ÷ 58	155	12	5	88	93
	MU IV 30/80 CW C	Ø 30 ÷ 80	172	16	5	88	103
	MU IV 50/115 CW C	Ø 50 ÷ 115	215	16	5	92	148
	MU IV 50/128 CW C	Ø 50 ÷ 128	240	16	5	108	173
	MU IV 76/195 CW C	NA	410	30,5	14	178	208
	MU IV 114/275 CW C	NA	500	30,5	14	178,5	276

	MU IV AVC/OSC CW Ø <sub>min.</sub> / Ø <sub>max.</sub>	Double clamping system recommended Min. O.D. / Max. O.D.	Ø A (mm)	B (mm)	Amplitud		D (mm)	E (mm)
					Ca (mm)	Cb (mm)		
P-clamping – adjustable for the entire O.D. range	MU IV 8/38 AVC/OSC CW P	NA	142	23	20	20	150	72
	MU IV 19/80 AVC/OSC CW P	NA	200	16	20	20	136	103
	MU IV 42/115 AVC/OSC CW P	NA	235	16	20	20	139	148
	MU IV 42/128 AVC/OSC CW P	NA	340	16	20	30	134	173
	MU IV 76/195 AVC/OSC CW P	NA	410	16	20	30	165	208
	MU IV 114/275 AVC/OSC CW P	NA	530	16	20	30	179	276
SC-clamping – one shell per O.D.	MU IV 14/38 AVC/OSC CW C	Ø 8 ÷ 38	142	23	20	20	130	72
	MU IV 14/38 AVC/OSC CW C ◆	Ø 14 ÷ 38	132	35,5	20	20	130	74
	MU IV 30/51 AVC/OSC CW C ◆	Ø 30 ÷ 51	145	35,5	20	20	142	94
	MU IV 30/64 AVC/OSC CW C ◆	Ø 30 ÷ 64	158	35,5	20	20	142	94
	MU IV 30/80 AVC/OSC CW C	Ø 30 ÷ 80	200	16	20	20	126	103
	MU IV 50/115 AVC/OSC CW C	NA	235	16	20	20	128	148
	MU IV 50/128 AVC/OSC CW C	Ø 50 ÷ 128	340	16	20	30	143	173
	MU IV 76/195 AVC/OSC CW C	NA	410	16	20	30	185	208
MU IV 114/275 AVC/OSC CW C	NA	530	16	20	30	184	276	

## Options and accessories

- On board wire feeder for 1.5kg spool or external POLYFIL wire feeder for 15kg spool with wire accessories
- Clamp shells (C-clamping system) for all tube and pipe O.D.'s
- Extension cable (15m)
- Dual welding head switch box
- Compact shipping case for transport and storage
- Tungsten electrodes, pre-sharpened and pre-cut



# POLYSOUDE : Related services

## ► Guidance and technical support

A welding application specialist in your area will advise you on the welding process and appropriate equipment for your application.

## ► Commissioning / Training

A complete training program will enable you to start using the equipment immediately and in the best way possible.

## ► Maintenance / Repair

Maintenance and repair operations can be carried out at the Polysoude plant as well as on site by our service network.

## ► Rental service

Increase the flexibility of your production! A large range of equipment is available for rental from our hire fleet.

## Your partners worldwide

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