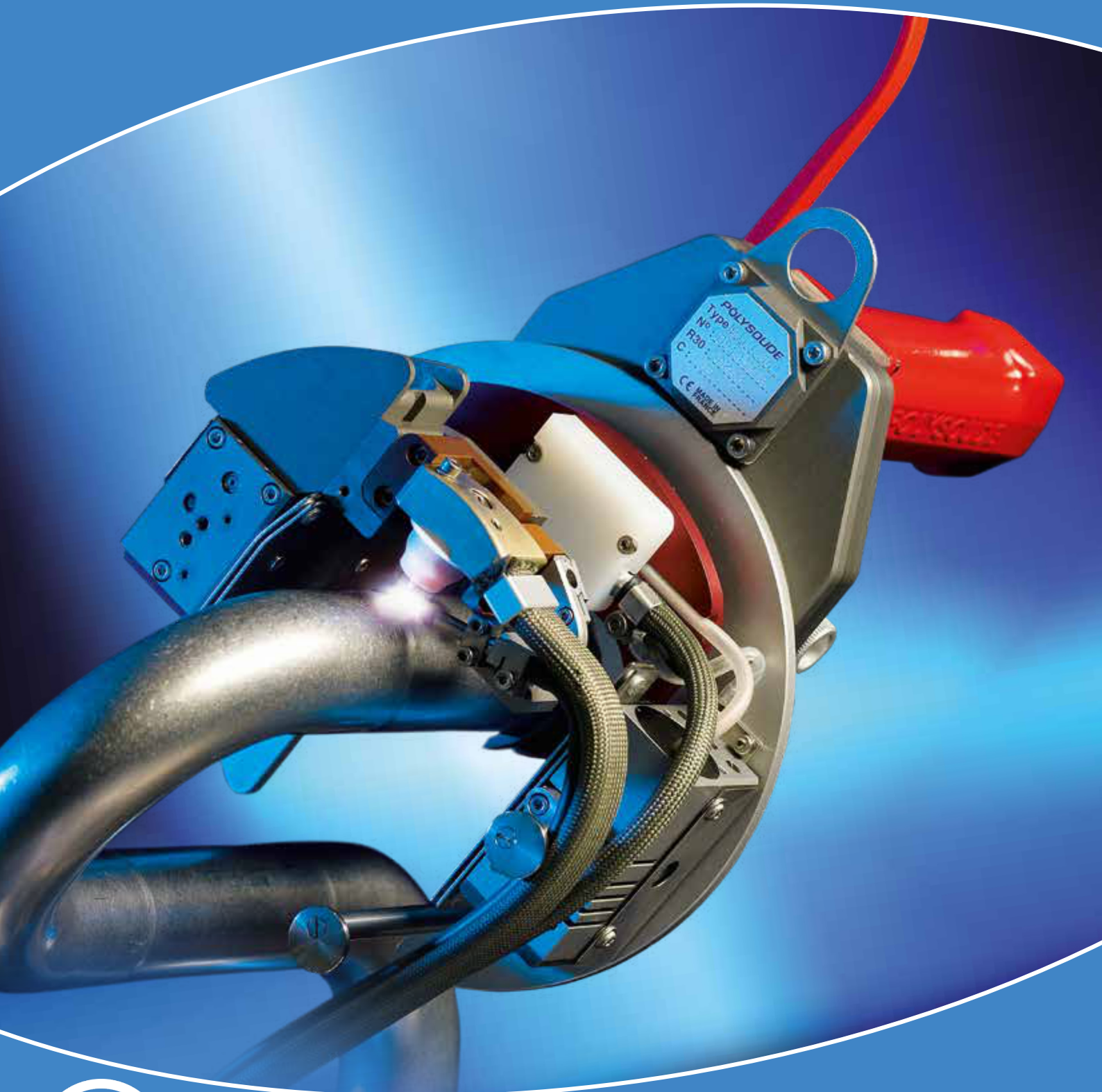




MU IV

TIG - With or without filler wire, AVC, OSC

Open welding head
for welding of tube-to-tube joints,
tube to elbow joints...





Openwelding 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 60 years' experience in mastering welding technologies

Closed loop water cooled welding torch

Mechanical sensor for a constant distance between electrode and workpiece

Welding torch with ceramic nozzle and gas lens for laminar gas protection

2-axis wire adjustment

Motorized Arc Voltage Control (AVC) and Torch Oscillation Control (OSC) for multi-pass welding of medium and heavy wall tubes

Associated Power Sources



▶ P4

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



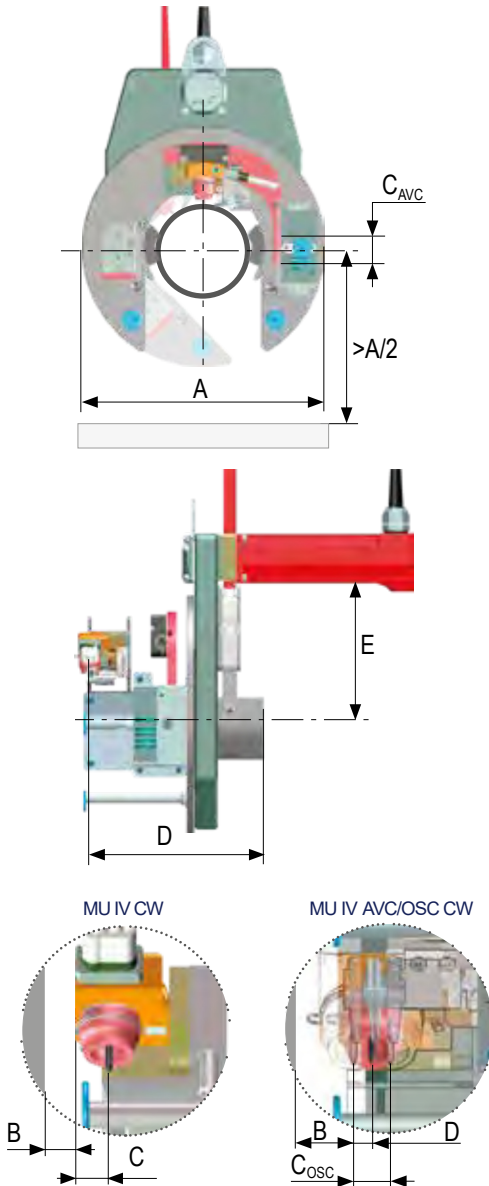
▶ P6

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





Technical specifications



Cable length: 9m

P – Chuck clamping system
C – Shell clamping system

NA = Non Applicable
♦ = reduced

	Type	Dimensions in mm					
P-clamping - adjustable for the entire O.D.range	MU IV CW Ø _{min.} / Ø _{max.}	Double clamping system recommended Min. O.D/ Max. O.D.	Ø A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
	MU IV 8/38 CWP	NA	126	16	5	96	72
	MU IV 14/38 CWP ♦	NA	96	12	5	96	72
	MU IV 19/80 CWP	NA	172	16	5	97	103
	MU IV 25/115 CWP	NA	215	16	5	101	148
	MU IV 25/128 CWP	NA	240	16	5	99	173
	MU IV 76/195 CWP	NA	410	30,5	14	158,5	208
	MU IV 114/275 CWP	NA	500	30,5	14	172,5	276
C-clamping - one shell per O.D	MU IV 14/38 CWC	Ø14 to 38	126	16	5	79	72
	MU IV 14/38 CWC ♦	Ø14 to 38	96	12	5	79	74
	MU IV 30/58 CWC ♦	Ø30 to 58	122	12	5	89	93
	MU IV 30/80 CWC	Ø30 to 80	172	16	5	88	103
	MU IV 50/115 CWC	Ø50 to 115	215	16	5	92	148
	MU IV 50/128 CWC	Ø50 to 128	240	16	5	108	173
	MU IV 76/195 CWC	NA	410	30,5	14	178	208
	MU IV 114/275 CWC	NA	500	30,5	14	178,5	276

P-clamping - adjustable for the entire O.D.range	MU IV AVC/OSCCW Ø _{min.} / Ø _{max.}	Double clamping system recommended Min. O.D/ Max. O.D	Ø A (mm)	B (mm)	Amplitude		D (mm)	E (mm)
					Ca (mm)	Cb (mm)		
	MU IV 8/38 AVC/OSCCWP	NA	142	23	20	20	160	72
	MU IV 19/80 AVC/OSCCWP	NA	200	16	20	20	146	103
	MU IV 42/115 AVC/OSCCWP	NA	235	16	20	20	149	148
	MU IV 42/128 AVC/OSCCWP	NA	340	16	20	30	144	173
	MU IV 76/195 AVC/OSCCWP	NA	410	16	20	30	180	208
	MU IV 114/275 AVC/OSCCWP	NA	530	16	20	30	174	276
C-clamping - one shell per O.D.	MU IV 14/38 AVC/OSCCWC	Ø8 to 38	142	23	20	20	140	72
	MU IV 14/38 AVC/OSCCWC ♦	Ø14 to 38	132	35,5	20	20	140	74
	MU IV 30/51AVC/OSCCWC ♦	Ø30 to 51	145	35,5	20	20	152	94
	MU IV 30/64 AVC/OSCCWC ♦	Ø30 to 64	158	35,5	20	20	152	94
	MU IV 30/80 AVC/OSCCWC	Ø30 to 80	200	16	20	20	136	103
	MU IV 50/115 AVC/OSCCWC	NA	235	16	20	20	138	148
	MU IV 50/128 AVC/OSCCWC	Ø50 to 128	340	16	20	30	158	173
	MU IV 76/195 AVC/OSCCWC	NA	410	16	20	30	205	208
	MU IV 114/275 AVC/OSCCWC	NA	530	16	20	30	199	276



Options and accessories

- On board wirefeeder for 1.5kgspool or external POLYFILwirefeeder for 15kgspool with wire accessories
- Clampshells (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

 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."



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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