



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

60 YEARS
ANNIVERSARY

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

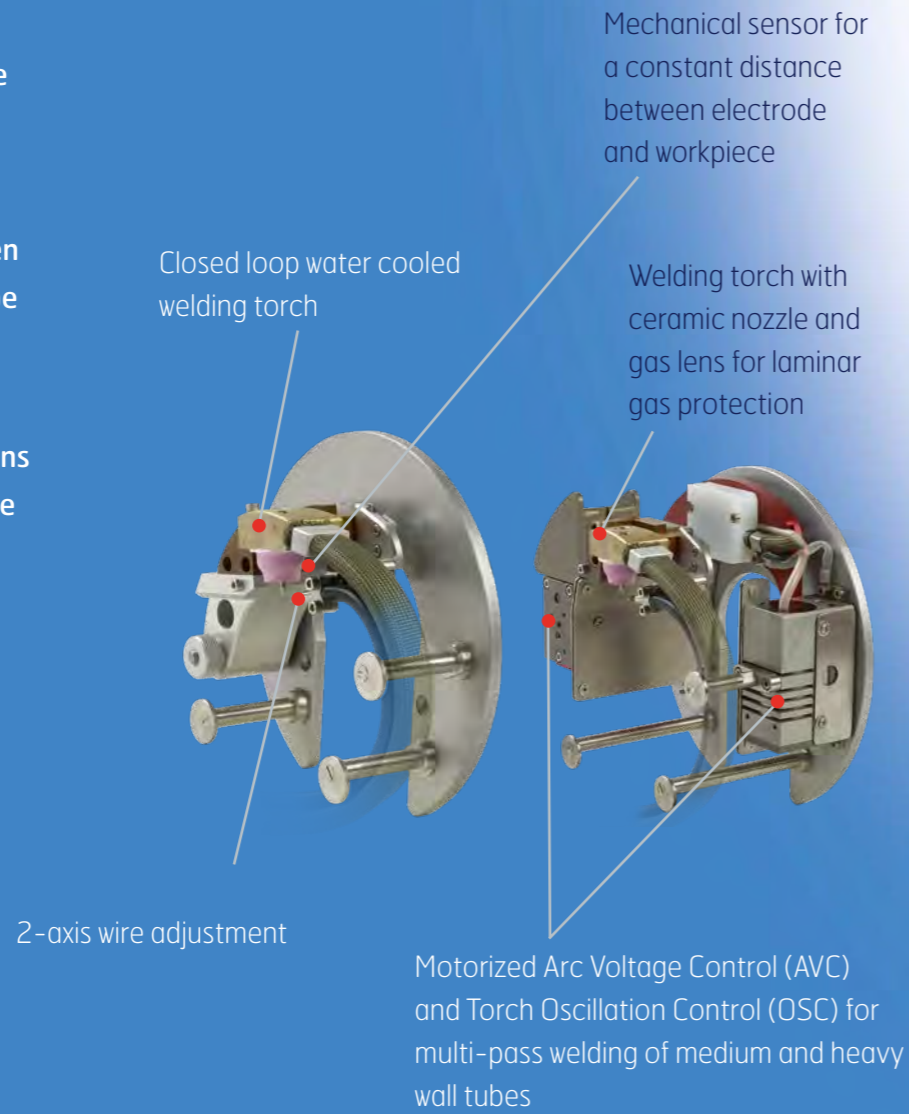
A range of modular standard welding heads, perfectly adapted to your needs



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

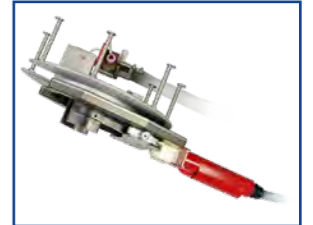
Resulting from 60 years' experience in mastering welding technologies



General characteristics



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



Quick electrode change due to the torch tilting system for MU IV HW

Smart Welding Stations



▶ **P4**
170 A, "modular", portable, programming by PC or touch screen, single-phase power supply



▶ **P6**
300 in CW version or 550 A in HW version, "all applications", programming by PC or touch screen, with Arc Voltage Control (AVC) and Torch Oscillation Control (OSC), three-phase power supply



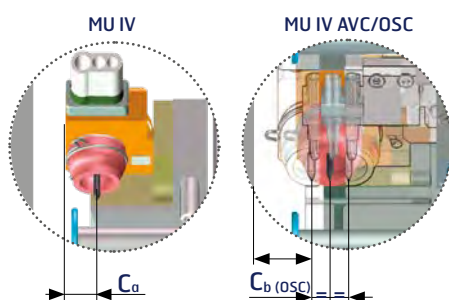
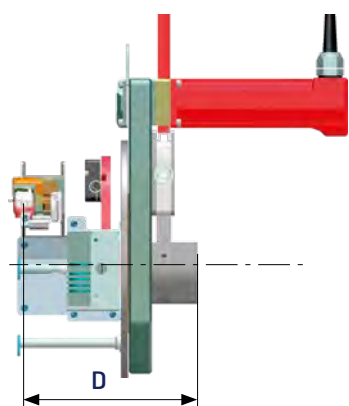
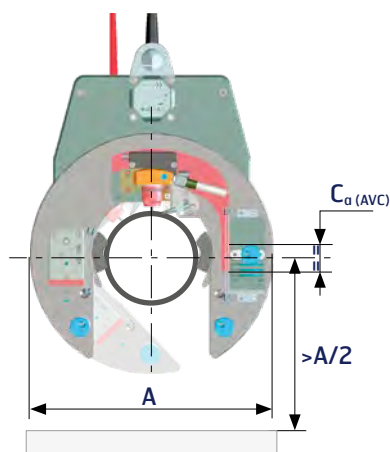
▶ **PC series**
300 to 550 A, modular design for perfect adaptation to your application. Interface for mechanised and robotic peripherals, three-phase power supply

Wire feeders



▶ **Polyfil series**
External portable wire feeders with spool protection

Technical specifications



Cable length: 9m

MU IV without filler metal O.D. _{min.} /O.D. _{max.}			Ø A (mm)	D (mm)
MU IV 8/38 P	✓		126	96
MU IV 14/38 C		✓	126	79
MU IV 19/80 P	✓		172	97
MU IV 30/80 C		✓	172	88
MU IV 25/115 P	✓		215	101
MU IV 50/115 C		✓	215	92
MU IV 25/128 P	✓		240	99
MU IV 50/128 C		✓	240	108
MU IV 76/219 P	✓		440	178
MU IV 114/275 P	✓		500	172.5
MU IV 114/275 C		✓	500	178.5

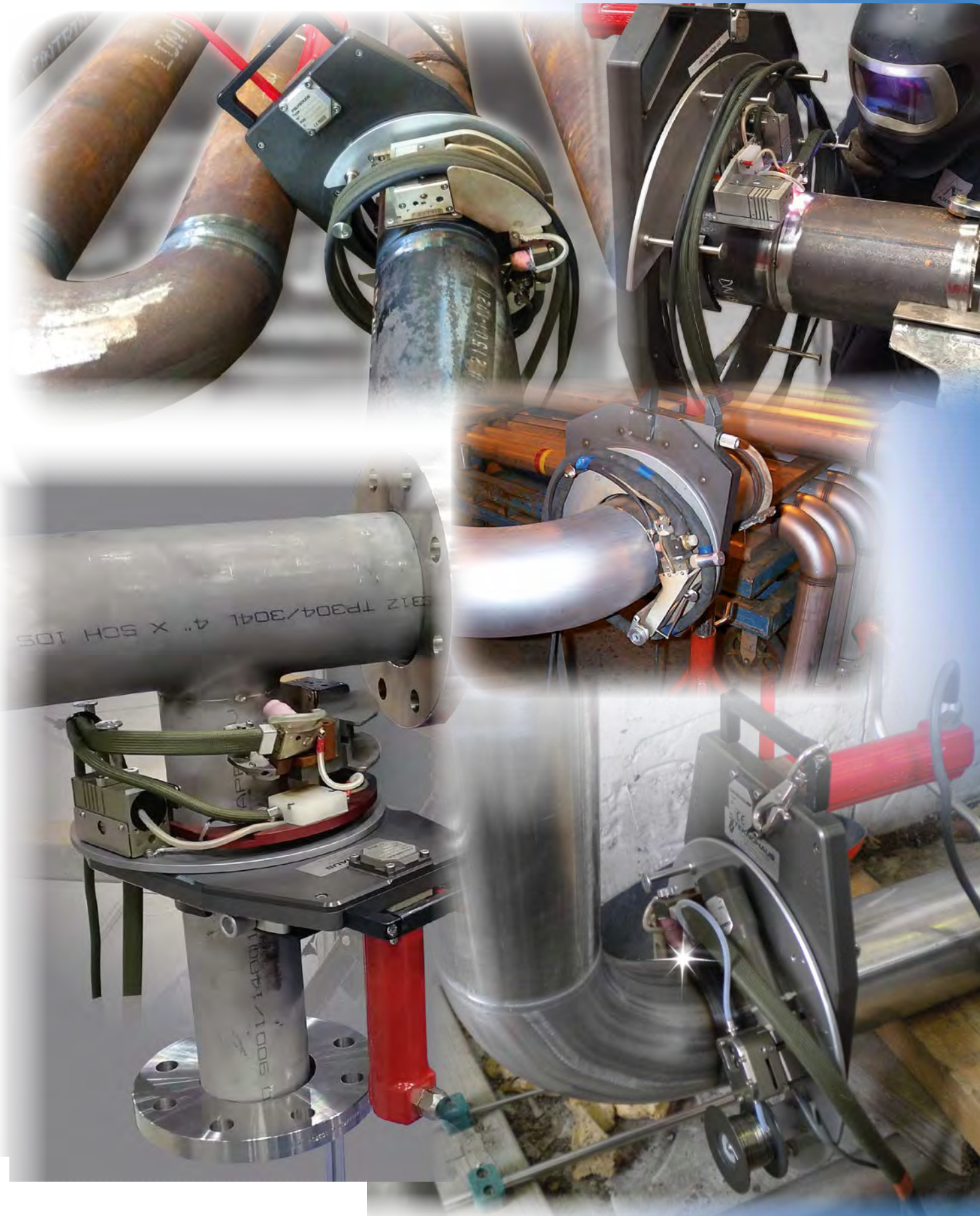
MU IV with filler metal Ø _{min.} /Ø _{max.}			TIG CW	TIG HW	AVC/ OSC	Ø A (mm)	Amplitude		D (mm)
							Ca (mm)	Cb (mm)	
MU IV 8/38 AVC/OSC CW P	✓		✓		✓	142	20	20	160
MU IV 14/38 AVC/OSC CW C		✓	✓		✓	142	20	20	140
MU IV 14/38 CW P - reduced plate	✓		✓			96	5	-	96
MU IV 14/38 AVC/OSC CW C - reduced plate		✓	✓		✓	132	20	20	140
MU IV 14/38 CW C - reduced plate		✓	✓			96	5	-	79
MU IV 30/51 AVC/OSC CW C - reduced plate		✓	✓		✓	145	20	20	152
MU IV 30/58 CW C - reduced plate		✓	✓			122	5	89	89
MU IV 30/60 AVC/OSC HW C		✓		✓	✓	280	20	30	160
MU IV 30/64 AVC/OSC CW C - reduced plate		✓	✓		✓	158	20	20	152
MU IV 19/80 AVC/OSC CW P	✓		✓		✓	200	20	20	146
MU IV 30/80 AVC/OSC CW C		✓	✓		✓	200	20	20	136
MU IV 25/115 AVC/OSC CW P	✓		✓		✓	235	20	20	149
MU IV 50/115 AVC/OSC CW C		✓	✓		✓	235	20	20	138
MU IV 42/128 AVC/OSC CW P	✓		✓		✓	340	20	30	144
MU IV 50/128 AVC/OSC CW C		✓	✓		✓	340	20	30	158
MU IV 76/219 AVC/OSC CW P	✓		✓		✓	503	20	30	197
MU IV 76/219 AVC/OSC HW P	✓			✓	✓	410	20	30	180
MU IV 76/219 AVC/OSC HW C		✓		✓	✓	580	40	40	217
MU IV 114/275 AVC/OSC CW P	✓		✓		✓	530	20	30	174
MU IV 114/275 AVC/OSC CW C		✓	✓		✓	530	20	30	199

Dimensions in mm

Options and accessories

- On board wire feeder for 1.5kg spool or external POLYFIL wire feeders for spool up to 15kg with wire accessories
- Clamp shells (C-clamping system) for all tube and pipe O.D.'s
- Balancers
- 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!



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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