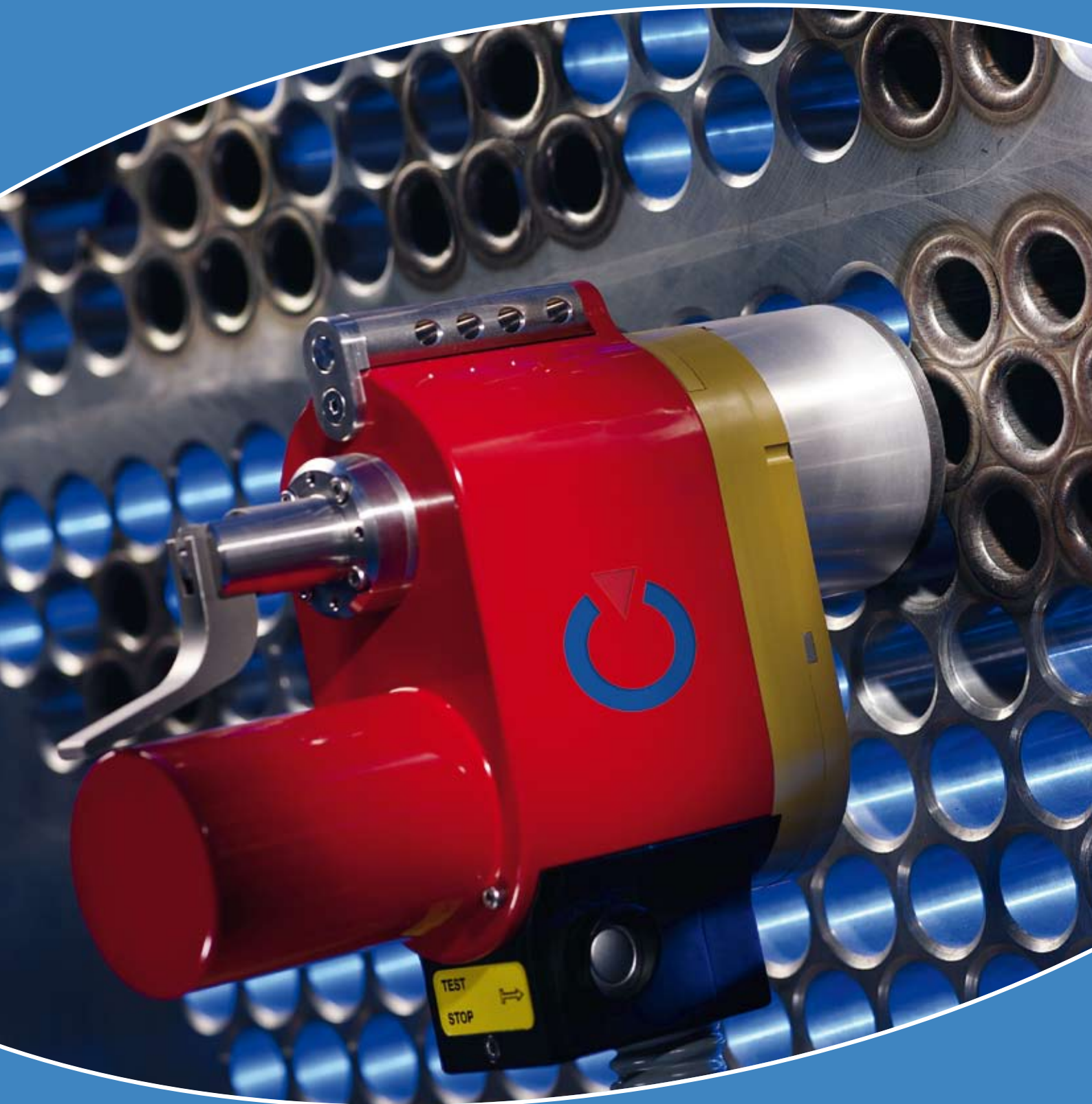


TS 34

TIG - Without Filler Wire

Closed Chamber Welding Head
for welding of tube to tubesheet joints

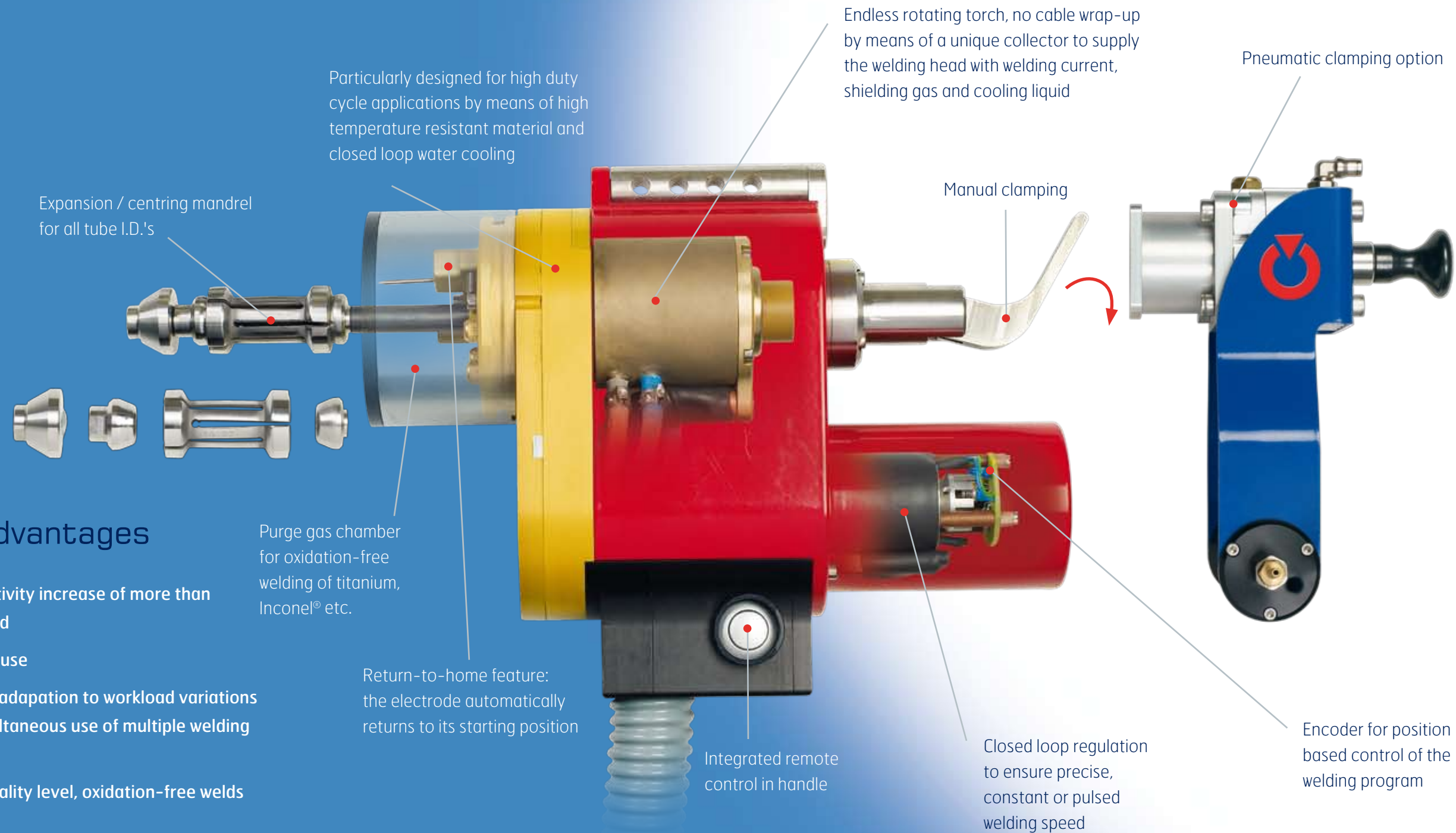


TS 34 Closed Chamber Welding Head

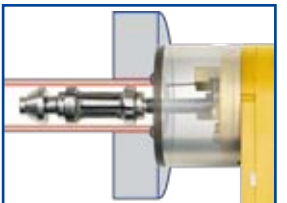
for welding of tube to tubesheet joints

Easy to use, highest quality and productivity

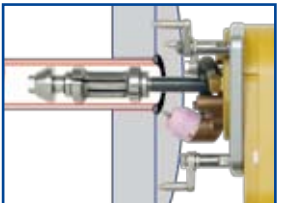
General Characteristics



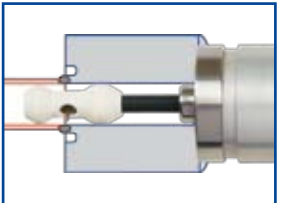
Laminar diffusion of the protection gas inside the purge gas chamber



Flush tube welding (purge gas chamber)



Flush tube welding (torch with diffuser)



Back plate tube welding



Nipple on header

Advantages

- ▶ Productivity increase of more than one third
- ▶ Easy to use
- ▶ Instant adaptation to workload variations by simultaneous use of multiple welding heads
- ▶ High quality level, oxidation-free welds

Resulting from 50 years' experience in mastering welding technologies

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

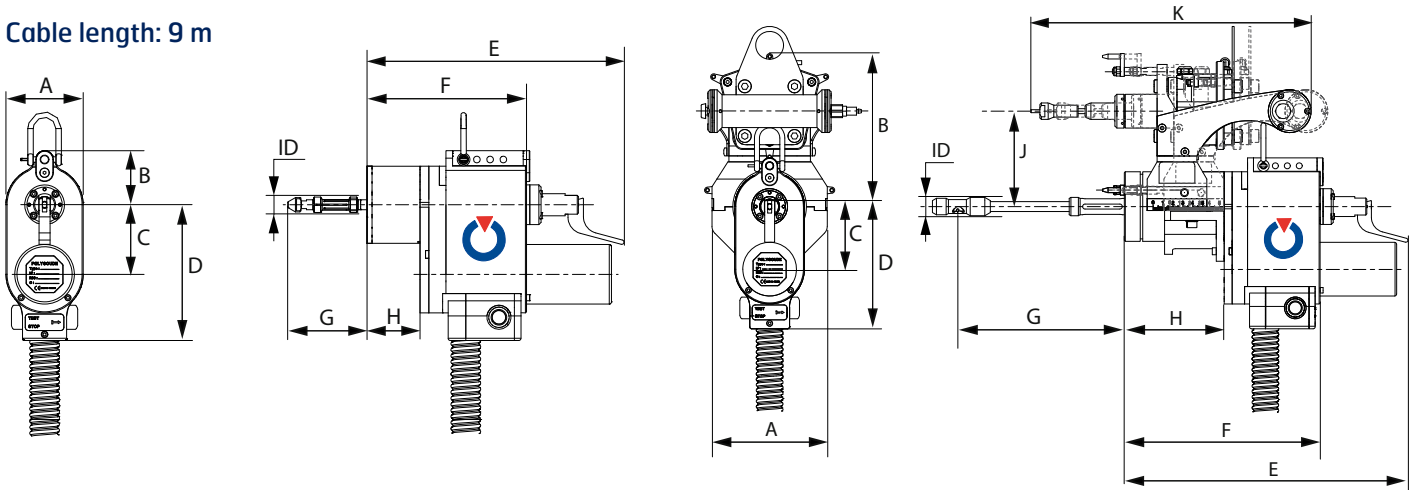
300 A, "all applications", programming by PC or touch screen, with Arc Voltage Control (AVC) and Torch Oscillation Control (OSC), three-phase power supply

Technical Specification

Min. tube I.D.	10 mm
Max. tube O.D.	33,7 mm
	for other dimensions, please consult us
Duty cycle	120 A max 120 A / 75 %
Torch cooling	Closed loop, water
Tube joint designs:	
• flush	✓
• recessed	1 mm max
• protruding	0,5 mm max
• internal bore welding	✓
Positioning / centring	Expansion mandrel
Purge gas chamber	✓
Weight	3,8 kg (excl. cable)

✓ standard
✓ option

Cable length: 9 m



Dimensions in mm

	A	B	C	D	E	F	G	H	IDmin	IDmax	J	K
TS 34	70	49	63	123	235	144,5	80	48	9,5	32		
TS 34 + Pneumatic clamping system	116	154	63	123	285	197	According to application	100,5	12	28	96	273

Options and Accessories

- Expansion / centring mandrels for all tube I.D.'s
- Pneumatic expansion / centring device
- Dual welding head switch box
- Compact brief-case for packing, transport and storage
- Tool kit for daily operation
- Extension cable (15 m)
- Tungsten electrodes, pre-sharpened and pre-cut

 Adapting to all your applications!



*"On our site, an operator uses
2 or 3 welding heads simultaneously."*

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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