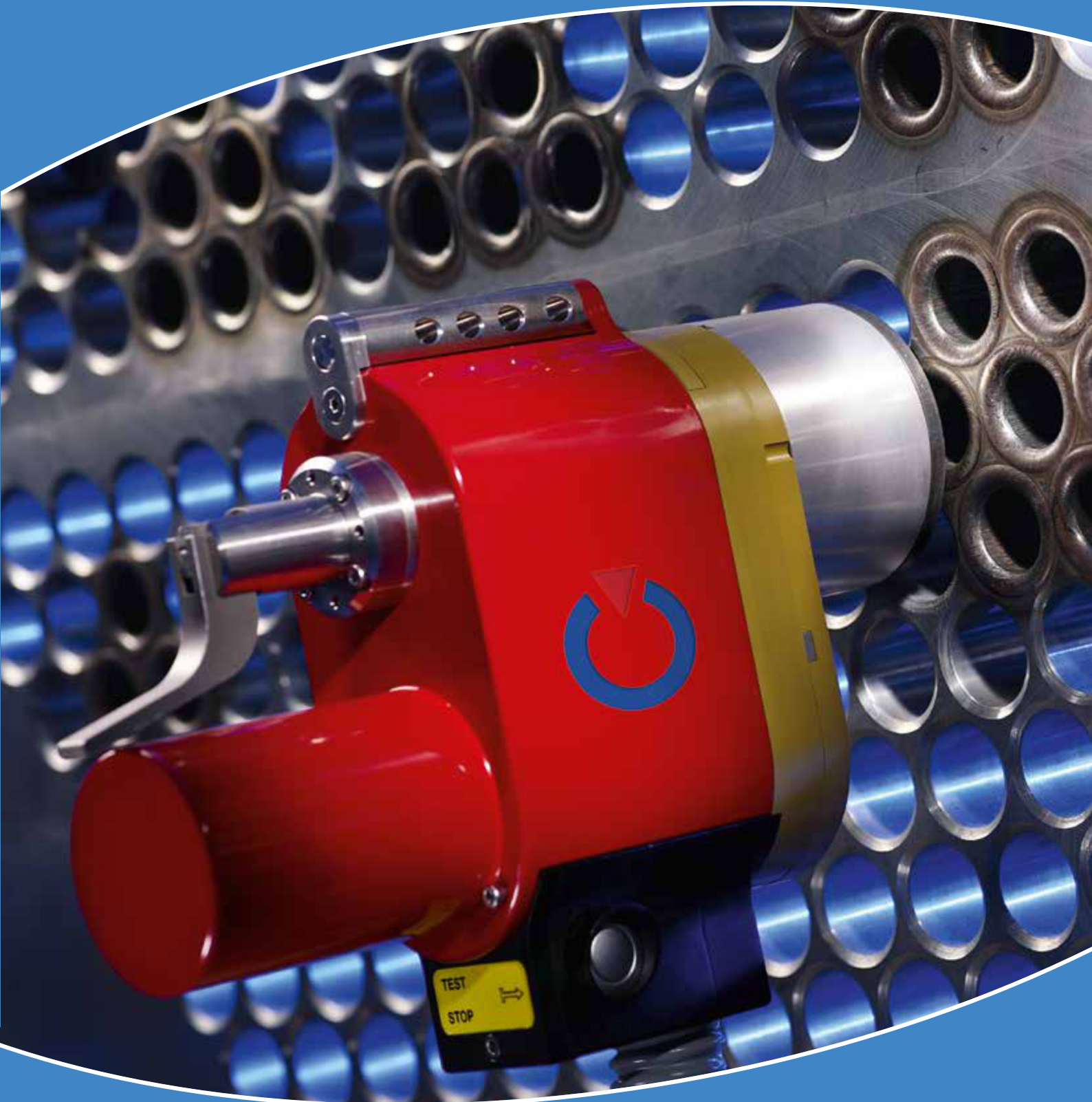


TS 34

TIG - W i t h o u t F i l l e r W i r e

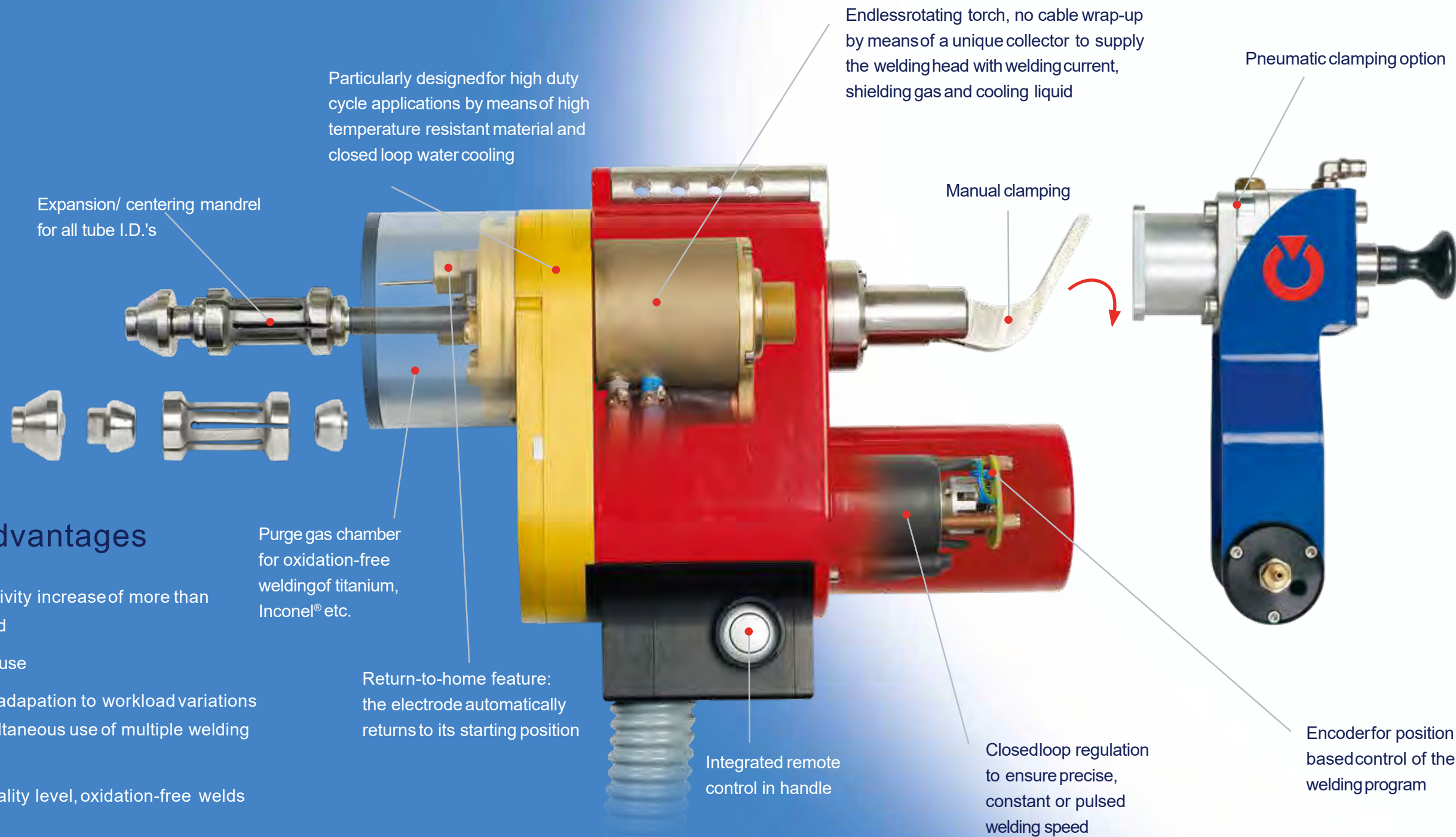
Closed chamber welding head
for welding of tube-to-tube sheet joints



OTS 34

Closed chamber welding head for welding of tube-to-tube sheet joints

Easy to use, highest quality and productivity



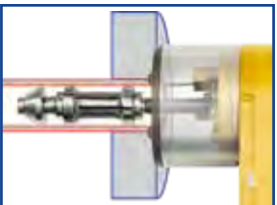
Advantages

- 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

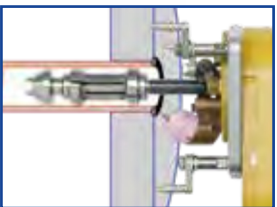
Resulting from 50 years' experience in mastering welding technologies



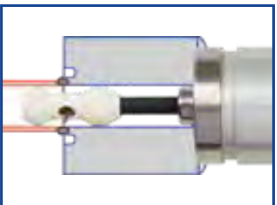
Laminar diffusion of the protection gas inside the purge gas chamber



Flush tube welding (purge gas chamber)



Flush tube welding (torch with diffuser)



Back plate tube welding



Nipple on header

Associated
power
sources



► P4

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



► P6

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

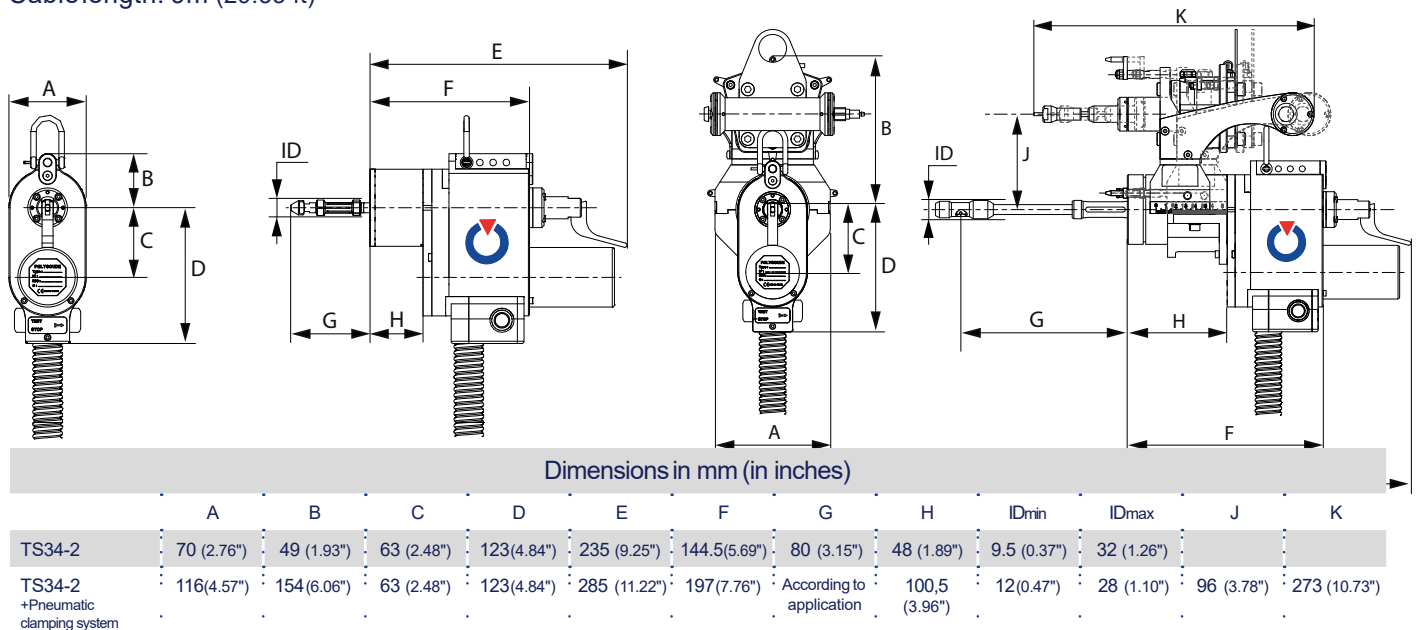


Technical specifications

Min. tube I.D.	10mm (0.39")
Max. tube O.D.	33.7mm (1.33")
	for other dimensions, please consult us
Duty cycle	120A max 120A/ 75 %
Torch cooling	Closed loop, water
Tubejoint designs:	
• flush	✓
• recessed	1mm(0.04") max
• protruding	0.5mm (0.02") max
• internal bore welding	✓
Positioning/ centring	Expansion mandrel
Purge gas chamber	✓
Weight	3.8 kg (8.38 lbs) [excl. cable]

✓ standard
✓ option

Cablelength: 9m (29.53 ft)



Options and accessories

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

 Adapted for 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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