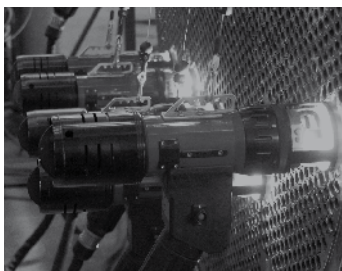
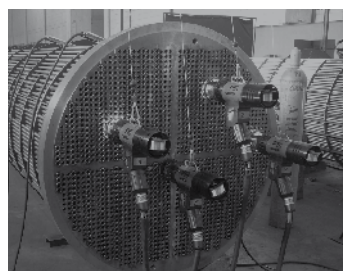




P16, P20 - Weld heads for tube-to-tube-sheet orbital welding!



Completely water-cooled machine body and torch.



Multifunctional adjustments of the electrode position.



Up to 30° continuous swivelling TIG torch. Rotating wire feed unit at torch axis.



Easy and safe handling with most functionality. Precise centering by means of exchangeable mandrels.

Tube-to-Tube-Sheet Orbital Weld Heads

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Tube-to-tube-sheet orbital weld heads

Tube-to-tube-sheet orbital weld heads P16

With this TIG weld head, it easy problem to weld tubes to tubesheets with the highest of accuracy and consistent quality.

Features:

- Completely water-cooled weld head housing.
- Water coolant that extends into the TIG Torch head.
- Simple handling with maximum functionality.
- Burner head up to 30° stepless inclination (reduced diameter range).
- Positioning to the tube to be welded is by means of a centering tool that is placed on a retaining arbor.
- Fitted with a cold wire feed mounted directly on the weld head including a retaining mechanism for 100 mm (3.937 inch) standard wire reel.
(Only with P16 with cold wire, 831 000 001)
- Includes and three-point support.
- Revolving wire feed on the rotational axis of the TIG burner prevents the additional wire from twisting as it exits the wire nozzle.
- Wire reel retainer for D100/1kg (3.937 inch) standard reels.

The hose package length is 7.5 m (24.6 ft). For extension cables see on page 40.



Tube-to-tube-sheet weld head P16

Technical data P16
Cold wire unit 1 kg Midget spool, D 100 mm

Article	from tube ID of tube OD [mm]	from tube ID of tube OD [inch]	Code	Weight machine [kg]	Dispatch weight [kg]
P16 tube-to-tube-sheet orbital weld head with cold wire	10 - 78*	0.394 - 3.071	831 000 001	17,500	26,500
P16 tube-to-tube-sheet orbital weld head excluding cold wire	10 - 78*	0.394 - 3.071	831 000 003	16,200	25,100

***Please note that the centering tools, the retaining arbors and the earth cable must be ordered separately (see pages 38 and 61).**

Tube-to-tube-sheet orbital weld heads

Tube-to-tube-sheet orbital weld head P16 AVC

Like the weld head P16, this is also fitted with an electric arc voltage control (AVC).
Can only be used in conjunction with the ORBIMAT welding power supply
OM 300 CA AVC/OSC (see page 10). Including cold wire unit.



Tube-to-tube-sheet weld head P16 AVC

Technical data					P16 AVC	
Cold wire unit					1 kg Midget spool, D 100 mm	
Article	from tube ID of tube OD [mm]	from tube ID of tube OD [inch]	Code		Weight machine [kg]	Dispatch weight [kg]
P16 AVC tube-to-tube-sheet orbital weld head with cold wire	20 - 100*	0.394 - 3.071	on request		18,300	27,300

***Please note that the centering tools, the retaining arbors and the earth cable must be ordered separately (see pages 38 and 61).**

Tube-to-Tube-Sheet Orbital Weld Heads

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Tube-to-tube-sheet orbital weld heads

Tube-to-tube-sheet orbital weld heads P20

With this TIG weld head, welding tubes to tube sheets with the greatest of accuracy and consistent quality is not a problem.

Features:

- Simple handling with maximum functionality.
- Water coolant that extends into the TIG burner head.
- Burner head up to 30° stepless inclination (reduced diameter range).
- Positioning to the tube to be welded is by means of a centering tool that is placed on a retaining arbor.
- Fitted with a cold wire feed mounted directly on the weld head including a retaining mechanism for D100 mm/1kg (3.937 inch) standard wire reel. (Only with P20 with cold wire, 832 000 002))
- Includes three-point support.
- Wire reel retainer for D100/1kg (3.937 inch) standard reels.

The hose package length is 7.5 m (24.6 ft). For extension cables see on page 40



Tube-to-tube-sheet weld head P20 with cold wire

Technical data	P20
Cold wire unit	1 kg Midget spool, D 100 mm

Article	from tube ID to tube OD [mm]	from tube ID to tube OD [inch]	Code	Weight machine [kg]	Dispatch weight [kg]
P20 tube-to-tube-sheet orbital weld head with cold wire	10 - 70*	0.394 - 2.756	832 000 002	12,750	20,400
P20 tube-to-tube-sheet orbital weld head excluding cold wire	10 - 70*	0.394 - 2.756	832 000 001	11,500	20,350

***Please note that the centering tools, the retaining arbors and the earth cable must be ordered separately (see pages 38 and 61).**