



TBi Planetary Feeder PF 16 Cold Wire Feeder

For faster welding

Specially suited for soft wires

Remote control interface for automation applications

Technical data

TBi Planetary Feeder PF 16

Application	Automatic cold wire feeding for manual and automated TIG, Plasma and Laser welding
Wire speed (infinitely variable)	0.1 – 16 m/min / (depending open wire diameter)
Wire diameter	0.6 – 1.6 mm without change of drive wheels
Precision of wire speed	± 1.0 %
Operation modes	2- and 4 step operation, 2- and 4 step Intermittent mode: 43 – 150 pulses/min
Wire pull-back time	0.1 - 1.5 sec
High voltage resistivity	8000 V
Feeding length	Recommended up to 4 m
Duty cycle	60 % (10 min. cycle)
Supply voltage	24 V AC / 8 A, isolating transformer for 230 V included
Dimensions (l x w x h)	approx. 780 x 300 x 470 mm
Weight	approx. 15 kg (without wire spool)

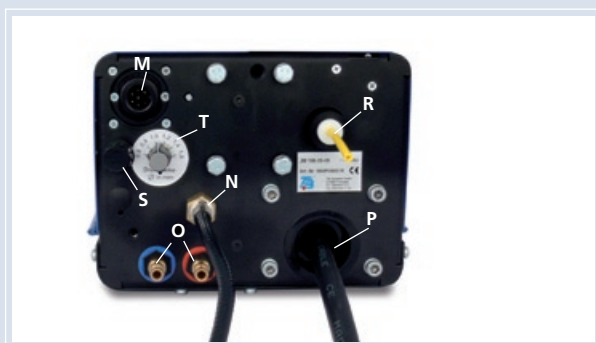
TBi SR 20,
with cold wire guiding unit

Ordering information

TBi Planetary Feeder PF 16 **580P090016**

Included in delivery: PF 16 with spool holder and carrying handle, isolation transformer 230 V / 24 V, AC-power line 1.5 m, gas hose 1.5 m, welding power cable 50 sqmm, 1.5 m with plug TSB 35-50, 2 water hoses cpl. 1.5 m

Connections and controls



PF 16 Front panel

- A EURO torch connection
- B Control connection to torch
- C Water connections
- D Interface for automation (power source on/off, wire feeder on/off, wire speed)
- E Display of wire speed
- F Wire pull-back time (0.1 – 1.5 sec)
- G Wire speed
- H Operation mode selector
- I Pulse length (0.2 – 7 sec)
- J Pause length (0.2 – 7 sec)
- K Selector trigger signal / automation
- L Button for set-point display

PF 16 Back panel

- M Supply voltage 24 V AC and power source on/off signal
- N Gas connection
- O Water connections
- P Welding power connection
- R Wire inlet guide
- S Fuse
- T Selector for wire diameter

Pos. Description Part. No.

Accessories

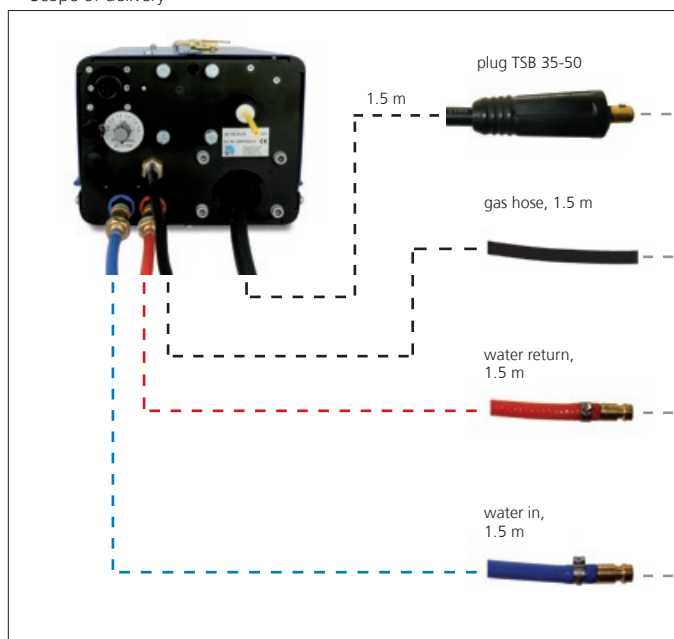
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| 1 | Connection kit with 18 adaptors for power, gas and water, for connection to all common power sources | 580P091000 |
|---|--|------------|

Pos. Description Part. No.

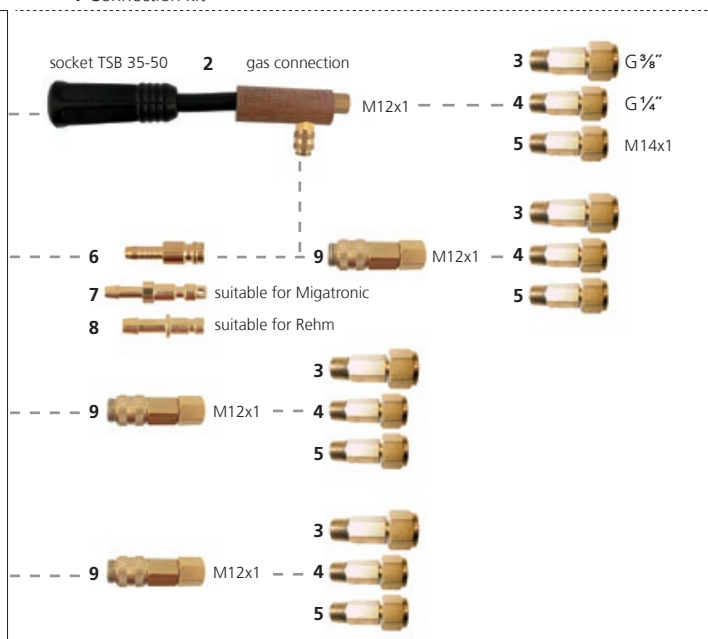
Individual parts

- | | | |
|---|---|------------|
| 2 | Power adaptor for TIG cold wire feeder, M12x1 | 580P091001 |
| 3 | Adaptor, M12x1, G $\frac{3}{8}$ " | 580P091150 |
| 4 | Adaptor, M12x1, G $\frac{1}{4}$ " | 580P091151 |
| 5 | Adaptor, M12x1, M14x1 | 580P091152 |
| 6 | Quick connector, standard | 701P002064 |
| 7 | Quick connector, suitable for Migatronic | 701P002099 |
| 8 | Quick connector, suitable for Rehm | 956P102001 |
| 9 | Quick disconnect, M12x1 | 701P041125 |

Scope of delivery



1 Connection kit



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