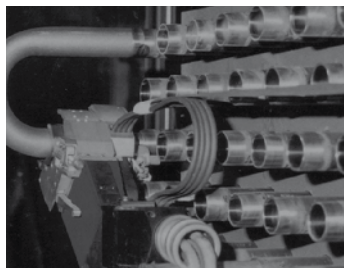




OP series - open weld heads for applications with limited space availability!



The OP 51 and 102 are also available with electronic arc voltage control (AVC) and oscillation (OSC).



The water-cooled torch head, machine body and clamping jaws assure highest resistance, even on preheated tubes.



Gas, water and electricity supply through a multiple hose made of viton enables safe and user-friendly working.



Horizontal, vertical and tilted welding positions are possible. Simple and fast assembly of the weld heads on the tube.

Open orbital weld heads OP series

Open orbital weld heads OP 46,OP 51,OP 102 (AVC/OSC)

The OP series is ideal for applications with limited space availability thanks to slim design.

Benefits:

- Can be used with or without additional wire.
- Smallest space requirement thanks to compact design.
- The OP 51 and OP 102 weld heads are also available with arc voltage control (AVC) and oscillation (OSC).
- The water-cooled torch head, machine body and clamping jaws assure highest resistance, even on preheated tubes.
- Horizontal, vertical and tilted welding positions are possible.
- Very robust and ergonomic design.
- Gas, water and electricity supply through a multiple hose made of viton enables safe and user-friendly working.
- Simple and fast assembly of the weld heads on the tube.

Delivery includes:

- 1 basic machine
- 1 weld head module
- 1 cold wire feed

To be able to operate the weld heads, clamping jaws and a suitable earth cable are also necessary, which are not included in the standard delivery and must be ordered separately.



Open weld head OP 51-1

Minimum spacing between the tubes
$$\text{Formula: } \frac{\text{Weld head diameter} - \text{Tube OD}}{2} + 2$$

Article	Tube OD [mm]	Weld head module Ø [mm]	Space requirement on tube (total) [mm]	Space requirement on tube (up to electrode) [mm]	Code	kg**
OP 46-1S	12,7 - 27,0	120	80	65	840 000 001	5,500
OP 46-2S	25,0 - 46,0	130	80	65	840 000 002	5,500
OP 46-1	12,7 - 27,0	85	135	120	841 000 001	5,500
OP 46-2	25,0 - 38,0	98	135	120	841 000 002	5,500
OP 46-3	25,0 - 46,0	115	135	120	841 000 003	5,500
OP 51-1	12,7 - 38,0	104	135	120	842 000 001	6,000
OP 51-2	25,0 - 51,0	120	135	120	842 000 002	6,000
OP 102	50,0 - 102,0	190	135	120	843 000 001	7,000
OP 51 AVC/OSC*	31,8 - 51,0	138	170	140	842 000 101	7,000
OP 102 AVC/OSC*	50,0 - 102,0	198	170	140	843 000 101	8,000

* Only usable with an ORBIMAT CA AVC/OSC orbital welding power supply. See page 10

** Weight without connecting cable

Open Orbital Weld Heads