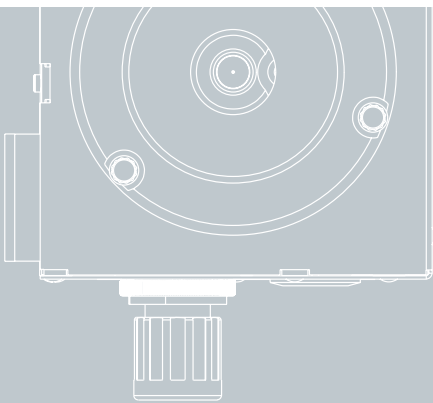




TBI FineSpray Spraying Unit



Advantages

- Application of anti-spatter fluid evenly all over the torch head
- Avoids the formation of drops on the torch head and thereby possible welding defects
- Considerably lower maintenance and cleaning expenses in the welding cell

Ordering information

TBI FineSpray spraying unit*	531P101256
Mounting kit for TBI JetStream	513P101310
TBI TipClean anti-spatter fluid (5l)	392P000007

* Please order rubber seals separately, see reverse side.

Minimized usage of anti-spatter fluid

Optimum protection of the robot torch

Increased work safety due to a clean welding cell

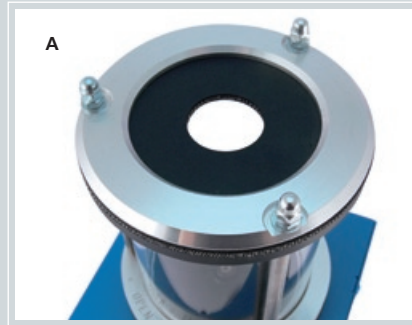
Technical data

TBI FineSpray spraying unit for robot torches

Function	Minimal quantity spray application inside a closed chamber. No pollution of the environment.
Compatible torches	MIG/MAG robot welding torches, tandem welding torches
Permitted anti-spatter fluid	TBI TipClean, other products on request
Consumption	One fill of the fluid container (500 ml) for up to 2.500 spray applications
Control	Connection to a potential-free contact or digital output. The spraying duration is programmed via the robot control system.
Compressed air connection	5 - 10 bar, dry and oil-free
Operating voltage	24 V / DC
Dimensions (LxWxH)	125 x 120 x 400 mm



Overview



- A Rubber cover with opening for torch head
- B Closed spraying chamber
- C Spraying nozzle
- D Container for anti-spatter fluid (500 ml)
- E Collection container for excess anti-spatter fluid
- F Manual activation of the spraying operation
- G Pressure regulator
- H Manometer (indicates the spraying pressure)

Ordering information - rubber seals (for TBi FineSpray only)

OD Ø of the gas nozzle	Suitable for TBi welding torches	Part. No.	How to measure the OD Ø
≤ 21 mm	TBi RM 42G/W	531P102387	<p>The OD Ø must be measured 25 mm from the front of the nozzle.</p>
21 - 25 mm	TBi RM 60G/W, RM 62G/W, RM 80W	531P102308	
25 - 28 mm	TBi RM 50G/W, RM 52G/W, RM 70G, RM 90W	531P102386	
oval 24 x 40 mm	TBi TD 20 / TD 22	531P102382	

For other gas nozzle dimensions, please contact our sales team.

Mode of operation

After cleaning, the torch head is inserted into the TBi FineSpray unit and sprayed with an exact quantity of anti-spatter fluid in order to reduce the re-adherence of spatter. The transparent spraying chamber can easily be taken off for cleaning.

The precise spraying process developed by TBi reduces considerably the consumption of anti-spatter fluid. One fill of the fluid container (500 ml) is enough for up to 2.500 spray applications. The spraying is initiated via the robot control system. This way, the spraying duration and therefore the quantity of anti-spatter fluid can be controlled accurately.

The TBi FineSpray prevents contamination of the robot cell as the dispersed fluid remains inside the closed spraying chamber. Besides the direct cost savings for anti-spatter fluid, we also contribute actively to the protection of the environment.

An optimal supplement to the TBi JetStream

The anti-spatter fluid can only guarantee an effective protection after an optimal cleaning of the torch. For that reason, we recommend to use the TBi FineSpray as supplement to the automatic torch cleaning unit TBi JetStream. But also for existing systems with conventional reamer cleaning, you can benefit by retrofitting the TBi FineSpray unit into the welding cell.

