"Stay clean!"

BINZEL Torch Cleaning Station BRS-LC. Higher quality – Iower costs!

The BRS-LC has been designed for the use with most commonly found robotic torches.

With high precision and efficiency, the BRS-LC cleans the interior of the gas nozzle inside the torch neck, increasing the working life of replacement parts. A simple yet functional design principle, the BRS-LC ensures maximum elimination of spatter.

The speed and precision of the system reduces manual interference and also reduces robot downtime.



The main characteristics of the BRS-LC are:

- solid and compact construction
- precise fixation of the gas nozzle in the clamping head by means of 3-pointinstallation avoiding the transfer of unit stress to the robot axes
- interchangeable equipment allowing adaption to torch geometry

Interested? Why don't you give us a call!





BINZEL Torch Cleaning Station BRS-LC

Functionning principle:

The cleaning cycle is controlled by the robot. For this purpose the robot has to be equipped with one digital input and two digital outputs (24 VDC).

- The starting position of the cleaning station will be communicated to the robot control as (24 V-) READY output signal.
- 2. The robot places the torch with the gas nozzle in the clamping head in a way that after clamping no unit stress will be transferred to the robot axis. The clamping and the running of the reamer will be activated via an output signal.
- A second output signal starts the cleaning stroke. While spatter is removed by the reamer a blowingout of the robo cables with compressed air is recommended.

4. By resetting the second output the cleaning cycle is ended and the station will return into starting position. The clamping signal is also reset time-lapsed.

5. By another activation of the READYsignal the robot is permitted to move out of the cleaning station.

Options:

- Injecting unit for lateral mounting at the BRS-LC: injecting of the BINZEL anti-spatter fluid into the gas nozzle from the front.
- Mounting stand: compact and spacesaving installation of the complete torch cleaning unit.
- Air maintenance unit: for continuous supply of the clea- ning station with cleaned and oiled compressed air.

Fig. 2 Options



Fig. 1 Dimensions



Technical Data:

Dimensions: Weight: Ambient temperature: Protection acc. to DIN 40 050: Pneumatic equipment: Air connection: Internal diameter: Nominal pressure: Operating pressure: Nominal flow: Nominal speed of the pneumatic motor: Electrical equipment: 2 inputs to: Rated voltage: Power consumption: 1 output from:

Operating voltage: Permitted residual ripple: Continuous current: Current consumption: Voltage drop:



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see fig. 1 approx. 10 kg + 5° to 50°C

IP 21

G 1/4" min. ø 8 mm 6 bar 5 to 8 bar 500 l/min.

300 r.p.m.

5/2 way valve 24 V DC 4,5 W inductive proximitiy switch normally-closed contact (pnp) 10 to 30 V DC Vss< 10 % max. 200 mA approx. 4 mA (24 V) approx. 1,2 V (200 mA)

Welding & cutting brought to the point.

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