

## acp CO<sub>2</sub>-Cleaning

### Environmental conditions & connections

#### >> Required compressed air quality

To operate **one nozzle**, the CO<sub>2</sub> cleaning system requires a compressed air supply with application-specific process parameters, e.g. at **6 bar working pressure, a withdrawal capacity of approx. 300 l/min** (max. 10 bar/ 1000 l/min).

#### Compressed air quality:

- Oil-free with a pressure dew point of -20 °C
- Ideal quality: [1:3:1:] according to ISO 8573:2010

**Transfer point:** Ball valve

#### >> Required CO<sub>2</sub> quality

Carbon dioxide (CO<sub>2</sub>) technical grade liquid supply. The CO<sub>2</sub> supply must be suitable for the withdrawal of the liquid phase (e.g., through a dip tube bottle)

#### Medium conditions for CO<sub>2</sub> liquid supply:

- With a tank supply: 55 bar - 60 bar at +10 °C
- If bottles are supplied, they must have the same temperature as the system (no installation outside the building when dispensing)

**Transfer point:** Ball valve

## Extensions (optionally available)

### External suction

Centrifugal fan continuously adjustable between 0 and approx. 4 m<sup>3</sup>/min

- Integrated filter (pocket filter ISO ePM 2.5 60%)
- Width x depth x height = 60 x 35 x 83 cm (incl. wheels)
- Supply and exhaust air sockets with an outside diameter of 100 mm

### Compressed Air dehumidifier

- Oil-free with a pressure dew point of -20 °C
- Ideal quality: [1:3:1:] according to ISO 8573:2010

For detailed technical data or general questions about CO<sub>2</sub> cleaning, please contact us by phone on +43 7722-67052-8270 or by e-mail via [info@fsbondtec.at](mailto:info@fsbondtec.at).

## acp CO<sub>2</sub>-Cleaning

CO<sub>2</sub> snow blasting is the preferred method of removing contamination at the contacts of battery cells. It is gentle to the surface of the cell contacts and can be carried out quickly and easily before each bonding step.

The system itself consists of a jet nozzle, the JetBox itself and high-pressure CO<sub>2</sub> gas from a conventional gas tank.

