

WE ARE **THE**  
**PARTNER**  
FOR CUSTOMIZED WET PROCESS  
**EQUIPMENT**



## CleanStep *Tube*

Semi automated tube cleaner for horizontal or vertical quartz tube cleaning

**BENEFITS**

Quartz tubes placement in CleanStep Tube: horizontally – standard / vertically – option

- > Advanced graphical user interface
- > Superb production efficiency
- > Optimized footprint
- > Accomodation of the latest processing technologies
- > Superior reliability
- > Unique modular construction
- > Extremely maintenance friendly



| TECHNICAL DATA       | CleanStep Tube                                   |
|----------------------|--|
| Voltage supply       | 400 VAC / 50-60 Hz                               |
| Power input          | depending on customer's process specifications   |
| Drain                | d63  |
| Compressed air (CDA) | PK6; 6 bar; max. 30Nm <sup>3</sup> /h            |
| N2                   | PK6; 3 bar                                       |
| Exhaust              | Ø 250 mm; PP depending on process specifications |

**Application**

- > For cleaning quartz tubes of different sizes

**General features**

- > Programmable tube rotation for efficient tube cleaning
- > Basin made of PVDF
- > Tanks (dependent of media numbers in use) for cleaning media placed beneath the cleaning basin – bulkfill and recirculation
- > Special spray nozzles for efficient tube cleaning
- > Integrated DI and N2 (nitrogen) guns
- > Drain separation system
- > Safety cover
- > Easy to operate and control
- > Acid saving system
- > Fully automated cleaning process
- > Enclosure
- > Made of cost-effective PP – standard

**Graphical user interface**

- > PLC controller with touch panel
- > Secondary touch panel – option
- > Password protected for authorized access
- > Up to 40 recipes with 50 steps each
- > Variable input data (time, speed, etc.)
- > Log files for user activities and error messages

**Options**

- > SECS II GEM interface
- > Made of FM 4910 compatible material – option
- > Also as vertical tube cleaner available