CT-TW-H

Thermal-wet-hybrid

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP

Easy servicing

Service-relevant access only on front side, disassembly in less than a minute, low total cost of ownership thanks to fewer wearing parts

Efficient

Electrically heated waste gas treatment system with integrated wet scrubber, increases the combustion temperature via hydrogen injection to destroy PFC and other gases

Flexible

Customizable design to match specific process requirements

Accessories, spare parts and options

- Heating jacket
- N_2-heating for waste gas inlet
- Fan kit for gas exhaust

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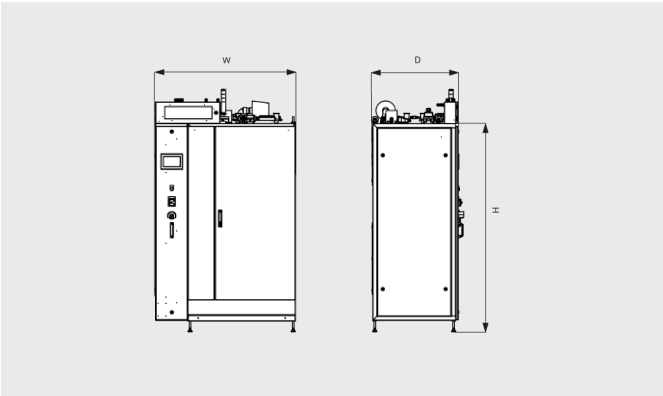
Dimensional drawing



CT-TW-H	Pressure	Connection	Remarks
Power	n.a.	L1/L2/L3/N/PE	~400/208 V, 50/60 Hz
Nitrogen	7 ... 10 bar	½" ... 1" Swagelok	purity: ≥ 99 %
Hydrogen	1.0 ... 2.25 bar	½" Swagelok	purity: ≥ 95 %
Sorption medium (NaOH / KOH)	< 1.0 bar	½" Schott	concentration: ≤ 50 %
Fresh water	3.0 ... 7.0 bar	½" Swagelok	softened water
Wastewater	0 ... 2.0 bar	1" thread connector	temp.: 18 ... 65 °C
Cooling water inlet	4.0 ... 6.0 bar	¾" ... 1" Swagelok	temp.: 18 ... 25 °C
Cooling water outlet	0 ... 4.0 bar	¾" ... 1" Swagelok	temp.: 30 ... 50 °C
Waste gas inlets	-0.5 ... 130 mbar	DN25 KF flange	n.a.
Waste gas bypass	-0.5 ... 130 mbar	DN25 KF flange	connected to AEX
Clean gas exhaust	-7.5 ... -10 mbar	DN100 flange	connected to AEX
Cabinet exhaust	-0.6 ... -2.5 mbar	DN100 flange	connected to GEX
Weight approx.	n.a.	n.a.	600 kg
Dimensions (W x D x H)	n.a.	n.a.	1300 x 840 x 1930 mm
Interface	n.a.	dry contacts	n.a.

DO YOU WANT TO KNOW MORE?

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or

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