# CT-BW

**Burn-wet system**

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP



## Flexible

Customizable design to match specific process requirements

## Reliable

Most widespread abatement technology with a highly efficient fuel gas burner for a wide range of applications

## 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

Accessories, spare parts and options

- Heating jacket for waste gas inlet
- $N_2$-heating for waste gas inlet
- Mechanical burner cleaning device
- Fan kit for gas exhaust


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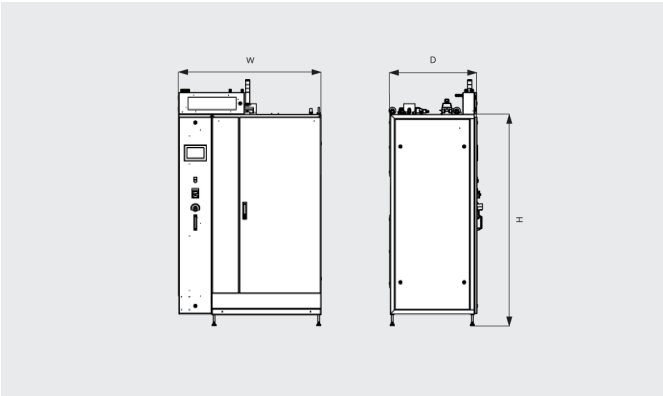
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Dimensional drawing




| CT-BW | 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 % |
| **Fuel gas (CH4, H2, C3H8)** | 0.25 ... 1.25 bar | ½" Swagelok | purity: ≥ 95 % |
| **Oxygen** | 4 ... 5 bar | ½" Swagelok | purity: ≥ 99 % |
| **Sorption medium (NaOH / KOH)** | < 1 bar | ½" Schott | concentration: ≤ 50 % |
| **Fresh water** | 3 ... 7 bar | ½" Swagelok | softened water |
| **Waste water** | 0 ... 2 bar | 1" thread connector | temp.: 18 ... 65 °C |
| **Cooling water inlet** | 4 ... 6 bar | ¾" ... 1" Swagelok | temp.: 18 ... 25 °C |
| **Cooling water outlet** | 0 ... 4 bar | ¾" ... 1" Swagelok | temp.: 30 ... 50 °C |
| **Waste gas inlets** | -0.5 ... 130 mbar | DN25/40 KF flange | n.a. |
| **Waste gas bypass** | -0.5 ... 130 mbar | DN25/40 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 × D × H)** | n.a. | n.a. | 1300 x 800 x 1930 mm |
| **Interface** | n.a. | dry contacts | n.a. |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
or

CONTACT FORM