

Cryocooler 500W@77K

# TC5580



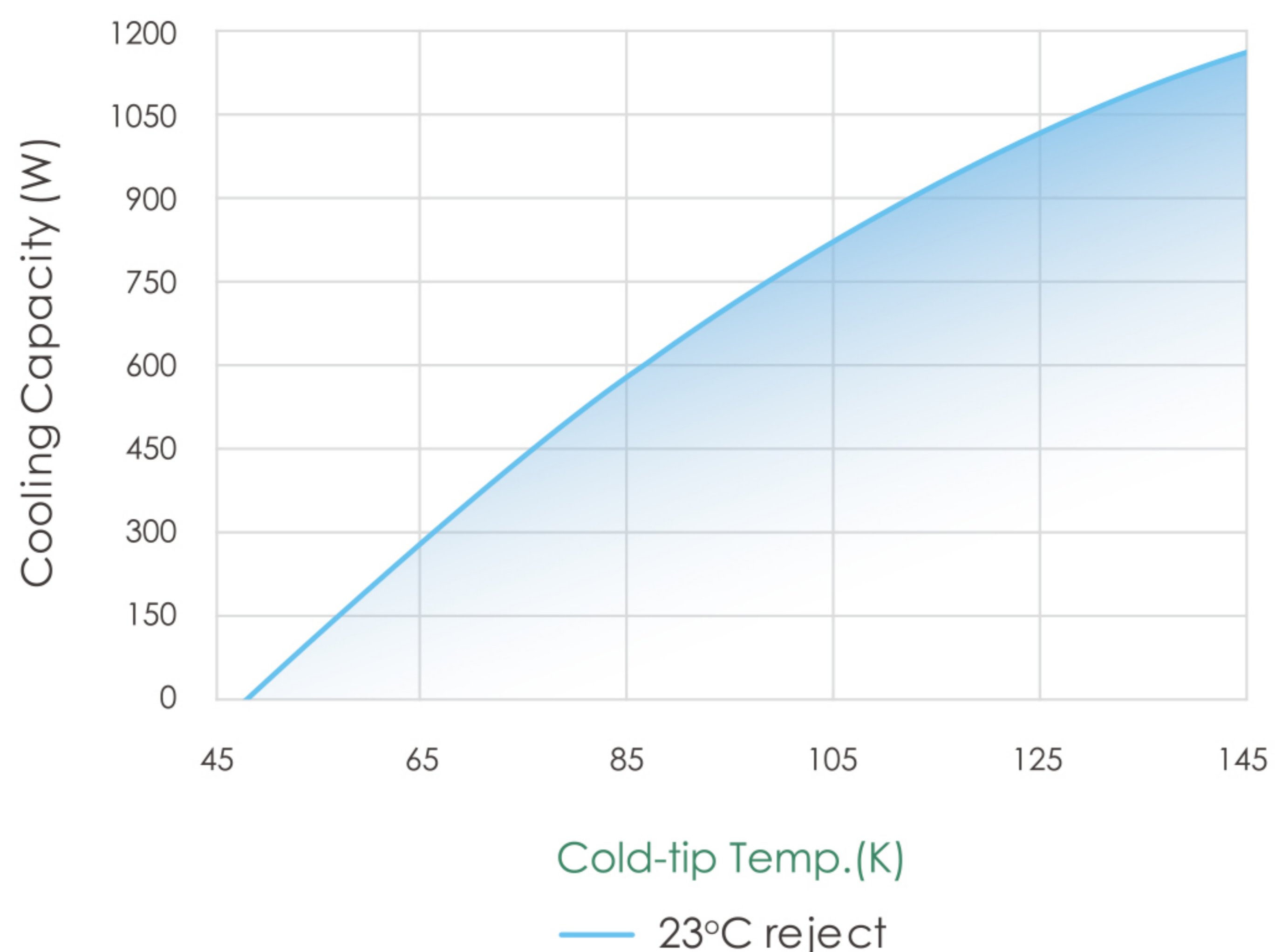
TC5580 is a large pulse tube cryocooler capable of delivering up to 500 watts cooling power at 77K . It can be used for gas liquefaction, cooling HTS cables, etc.

## Features

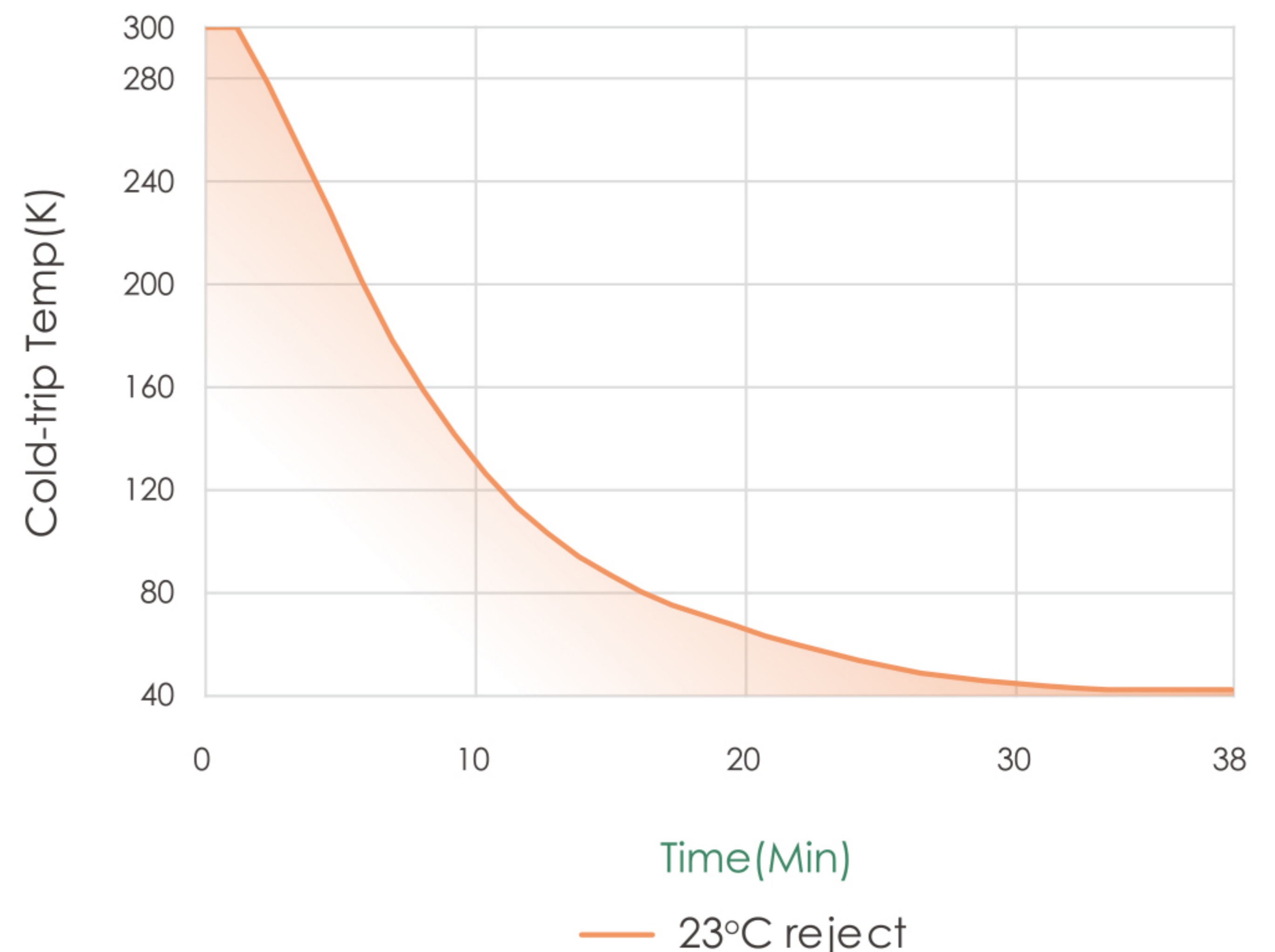
- 1 Dual opposed pistons driven by linear motor
- 2 Pulse tube cold finger
- 3 Water cooled
- 4 Controller CT7181
- 5 Maintenance free
- 6 MTTF> 50000h

## Typical performance

Cooling Capacity vs. Temperature  
10 kW Input Power

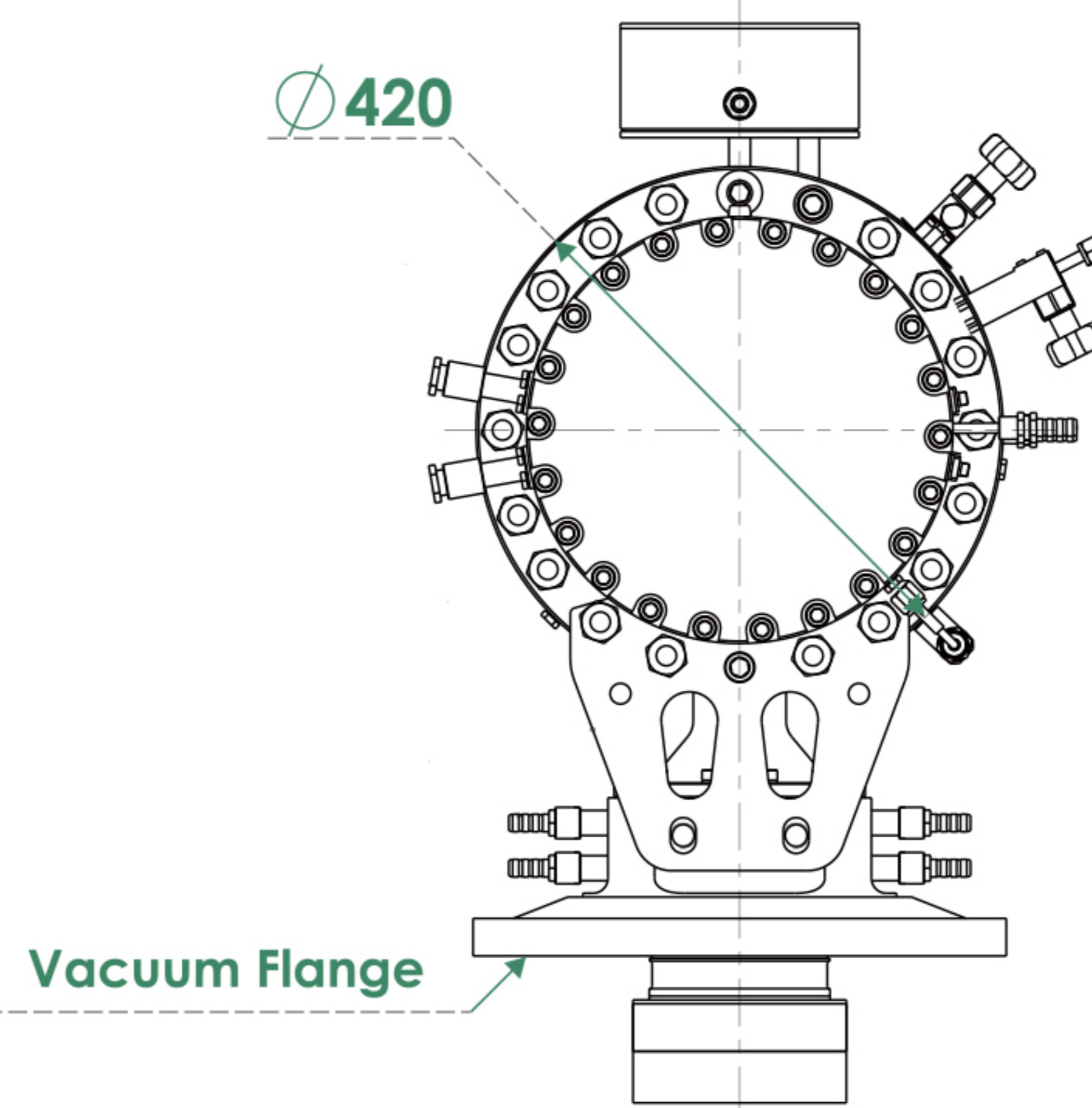
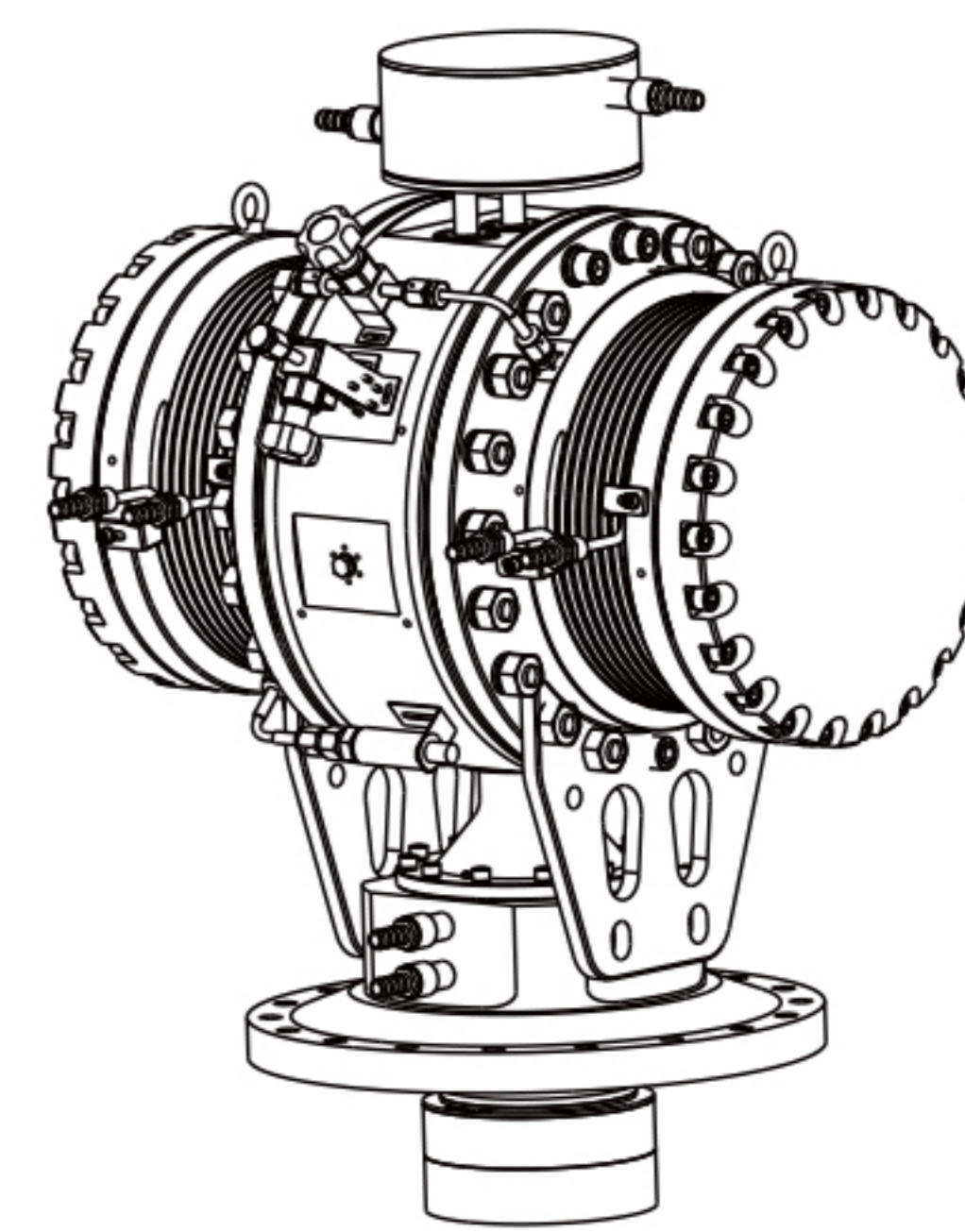
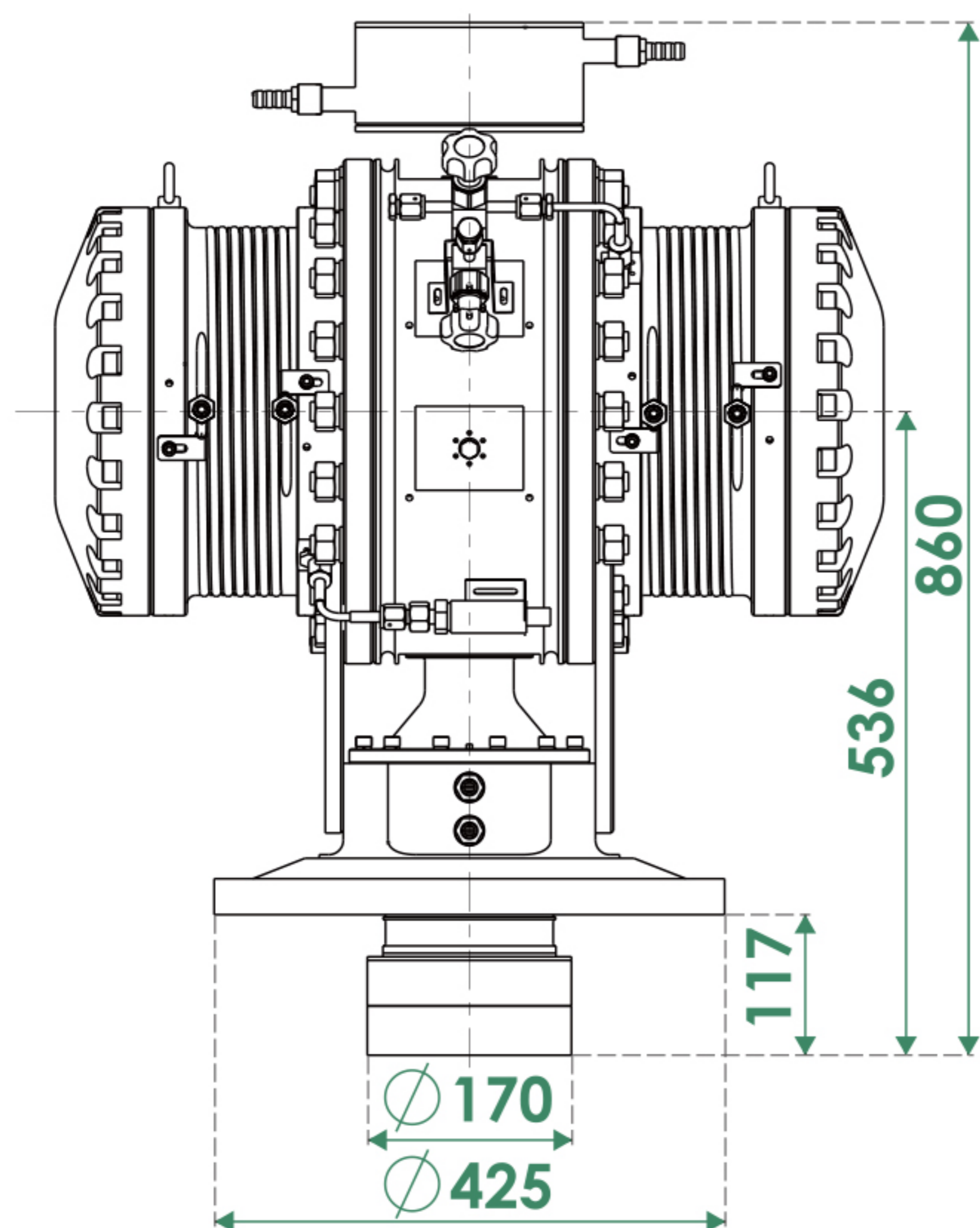
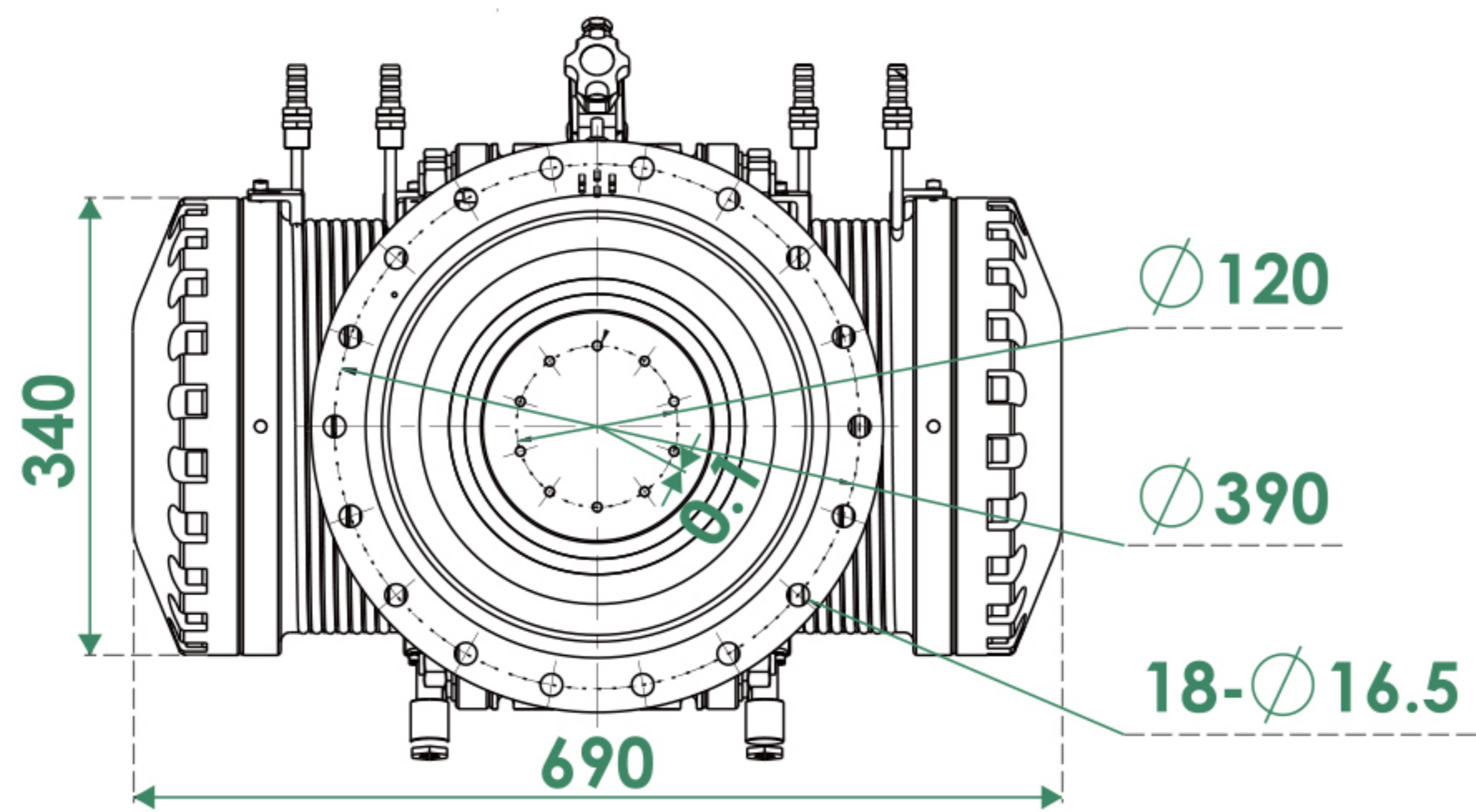


Cool-down Time





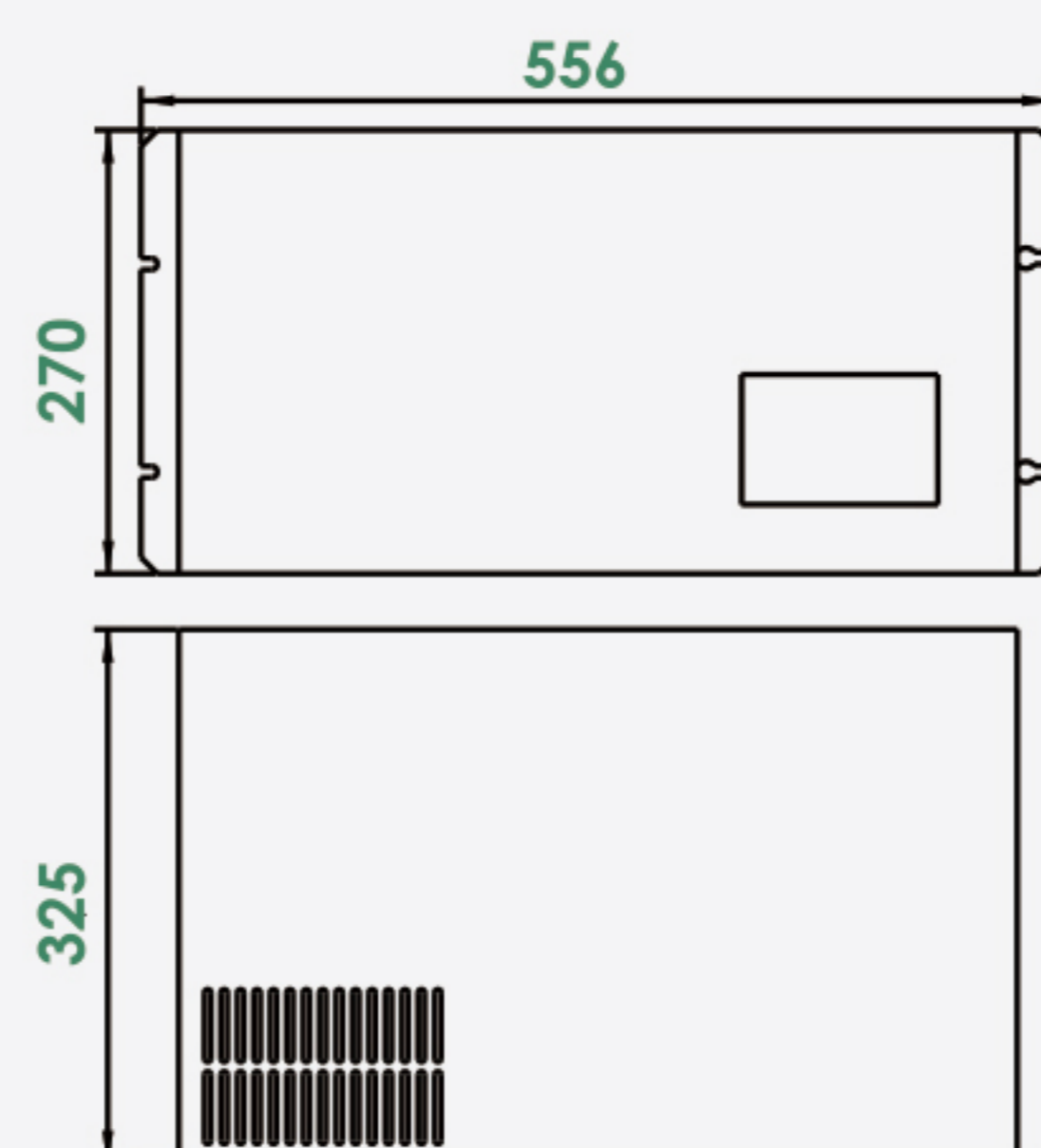
# Specifications and Dimensions



Operating Temperature	-20°C ~ +50°C
Nominal Input Power	10kW
Nominal Cooling Capacity(23°C reject)	500W@77K
Nominal Cooling Capacity(23°C reject)	1000W@120K
Power Supply	AC 380V @50Hz
Lowest Temperature	≤ 45K
Weight	185kg
Temperature Stability	± 0.1K
Orientation	Any

# Controller

CT 7181 Controller



### For more information:

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\*All dimensions in mm. Data subject to change without notice.