

iCDM

INDUSTRIAL COOLING DISTRIBUTION MODULE

The ATS iCDM is a fully integrated, standalone liquid cooling system designed for seamless deployment. Housed in a single, ventilated enclosure, it features a built-in pump, heat exchanger, reservoir, and control system, providing a complete liquid loop solution. Simply connect your cold plate or preferred heat removal mechanism, and the system is ready to deliver efficient, high-performance thermal management with minimal setup.

Available with cooling capacities of 10kW (iCDM-10) or 20kW (iCDM-20).

Features & Benefits

- Temperature control by adjusting the flow manually using system VFD control
- Environmentally friendly
- Localized cooling once attached to a cold plate
- Fast temperature response for cooling

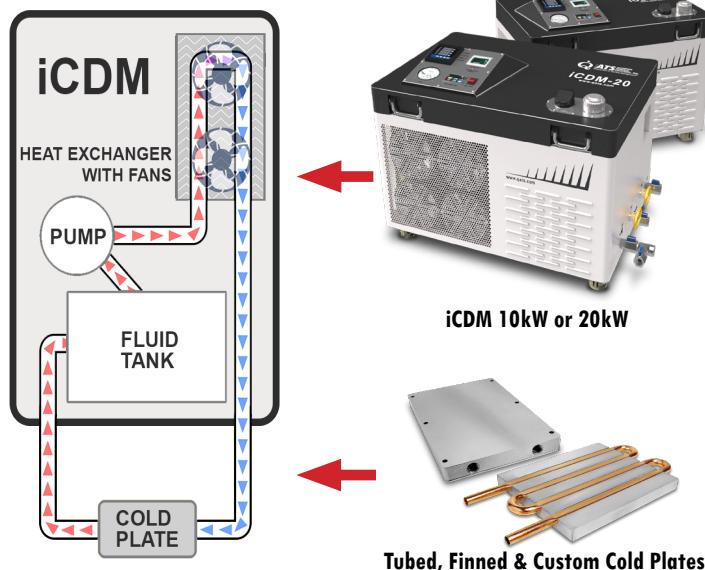
Applications

- Laser cooling
- Laboratory test equipment
- Medical diagnostic equipment
- Analytical equipment
- Defense & aerospace
- Semiconductor equipment
- Computer server liquid cooling

Connect your liquid loop with iCDM

Wetted Materials

- Aluminum
- EPDM
- Stainless Steel
- Polycarbonate
- Polypropylene
- Polyurethane
- Nylon 11
- Santoprene



» COOLING CAPACITY

iCDM-10: 10kW
iCDM-20: 20kW

» PUMP PRESSURE HEAD MAX

70 m (100 psi)

» PUMP FLOW RATE

21 LPM (5.5 GPM)

» WATER TANK CAPACITY

7.5 L (1.98 gallons)

» INLET & OUTLET PORTS

1/2 inch NPT, stainless steel

» INPUT POWER

115 VAC

» POWER INPUT CURRENT

20 A

» FREQUENCY RANGE

60 Hz

» OPERATING TEMPERATURE RANGE

25 to 75°C (77 to 167°F)

» OPERATING HUMIDITY RANGE

20 to 90% RH

» STORAGE TEMPERATURE

-40 to 85°C (-40 to 185°F)

» STORAGE HUMIDITY

10 to 95%

» DIMENSIONS (LxWxH)

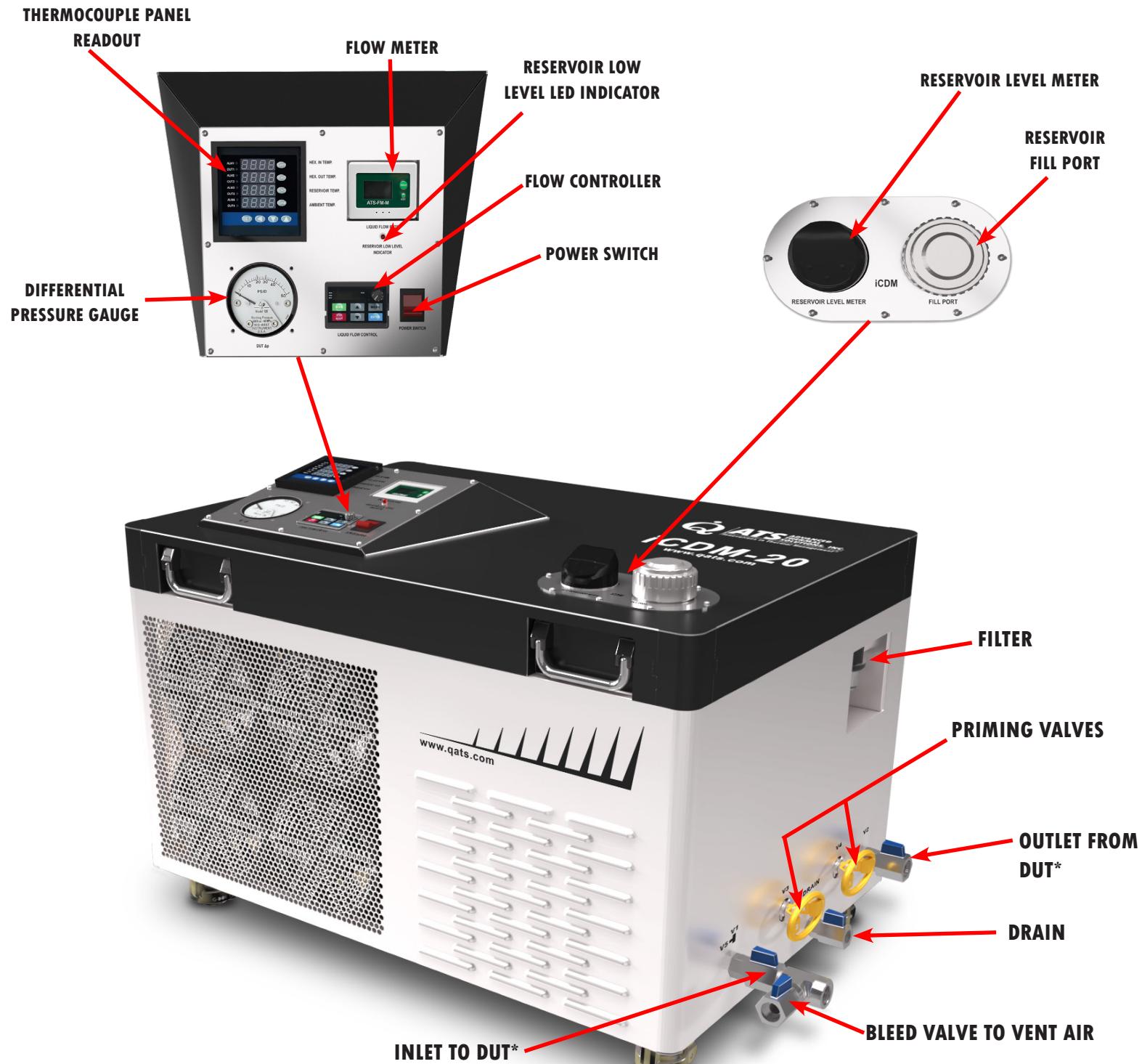
800 x 550 x 574.5 mm
(31.5 x 21.7 x 22.6 in)

» WEIGHT

iCDM-10: 54.2 kg (119.5 lbs)
iCDM-20: 68.1 kg (150.1 lbs)



Main Features of the iCDM-10kW and iCDM-20kW (details below apply to both systems)

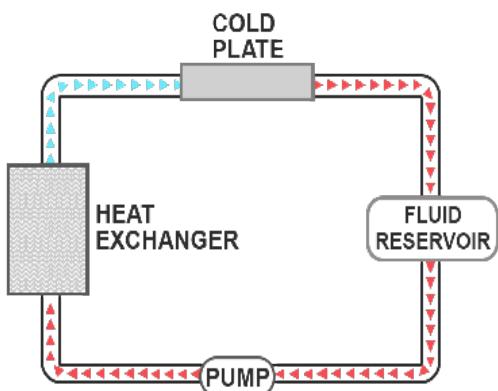


(*DUT = DEVICE UNDER TEST)

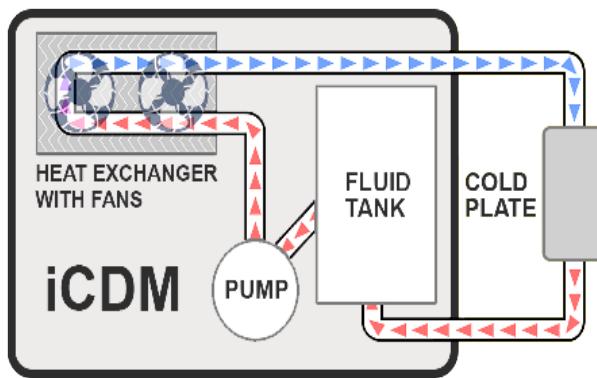


iCDM Application Examples

STANDARD LIQUID LOOP



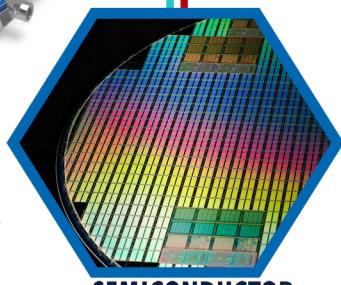
LIQUID LOOP WITH ICDM



BIOTECH



FOOD & BEVERAGE PRODUCTION



Contact us with your custom design requirements: ats-hq@qats.com