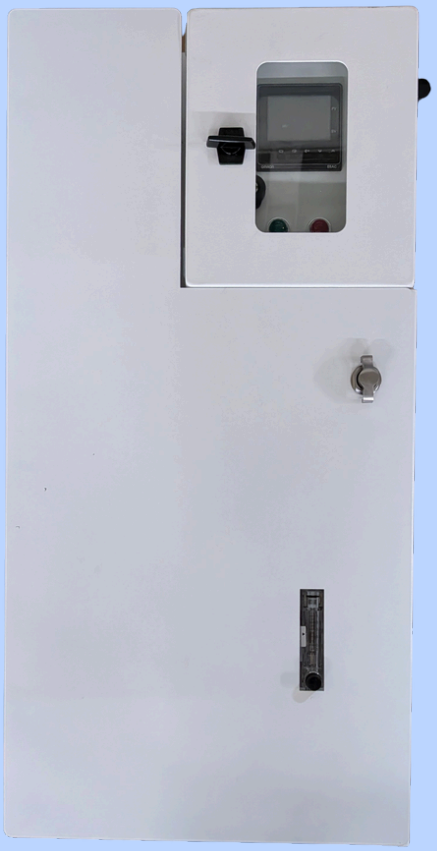
STEAM AND WATER ANALYSIS SYSTEM

LECOL

DEGASSED UNIT-
DG 1000 SERIES



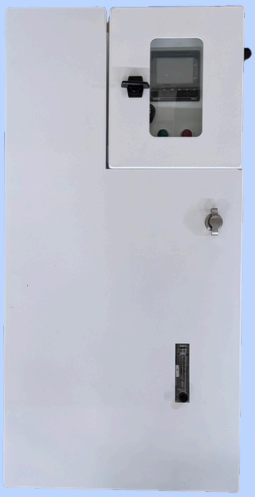
DEGASSED UNIT- DG 1000 SERIES

In steam and water analysis systems, conductivity measurement is a fundamental and critically important parameter. LECOL offers solutions for monitoring After Cation Conductivity (ACC) and Degassed Cation Conductivity (DCC) at strategic points throughout the steam and water cycle. These measurements are performed continuously to ensure the highest standards of water quality and system protection.

Conductivity monitoring provides an immediate indication of contamination by dissolved salts, which may enter the cycle through atmospheric ingress, heat exchanger leaks, or other sources. Ultrapure water has extremely low conductivity, often 0.055 µS/cm, yet even 1 ppm of dissolved salts can raise conductivity above 100 µS/cm. This sensitivity makes conductivity a highly effective general-purpose "watchdog" for early detection of plant malfunctions and leaks, helping to further protect turbine blades and other critical equipment.

Degassed Cation Conductivity (DCC) is particularly important for power plants operating under cyclic, variable loads, or frequent start–stop conditions. DCC measurement is recommended in condensate and steam lines for such applications, as it improves the detection of ionic contaminants by removing dissolved carbon dioxide.

LECOL's Degassed Cation Conductivity Systems comply with ASTM D4519, delivering accurate, reliable measurements in ultrapure water circuits. Our designs feature efficient heat exchange and degassing stages to optimise CO_2 removal, while maintaining low power consumption and robust, maintenance-friendly operation.



M/N: DG-1000-0-1-0-1

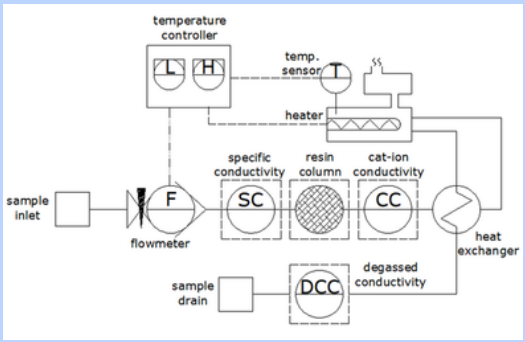
Features

- **Cost effective**
- **A self-circulating cooling system**
- **ASTM4519 compliant**
- **Corrosion determination**
- **No-flow alarm**
- **Out of water protection**
- **Multi-parameter readout**

Specification

Power supply	: 110 Vac, 50/60 Hz； 220 Vac, 50/60 Hz
Heater power	: 1.5 KW
Sample flow	: 100~200 cc/min
Sample temperature	: > 15 °C
Connection	: 1/4" OD
Enclosure	: Stainless steel with powdercoat
Mounting	: Wall mounting
Dimension (W*H*D)	: 420*520*300 mm

P&ID drawing



Ordering information

Degassed unit				
Model: DG-1000	**X-**	**X-**	**X-**	**X**
A Unit +analyzers **0 Re-boiler unit** **1 Re-boiler +Specific + degassed cation conductivity (inferred pH)** **2 Re-boiler cation + degassed cation conductivity**				
B Power supply **1 110 Vac, 50/60 Hz** **2 220 Vac, 50/60 Hz**				
C Resin column **0 None** **1 Resin column**				
D Heat exchanger **0 None** **1 Heat exchanger**				

*LECOL reserve the right to make technical changes or modify the contents of this document without prior notice.

LECOL

Luh Cherng Enterprises Co., Ltd.

No. 42, Mei-shan Rd., Niaosong Dist., Kaohsiung City 83346, Taiwan

TEL : +886-7-733-6377

FAX : +886-7-733-6353

E-mail : sales@lecoltw.com

WEB : www.lecoltw.com

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