

HPLC ELUENT DEGASSING DEVICE

DEGASSER[®]

ERC-3000 *α* SERIES

The new ERC-3000 series degasser for HPLC is a very compact high quality unit that comes with all of the safety features that chromatographers expect from the world's premier manufacturer of eluent degassers. This newest, most advanced series of degassers removes the dissolved gas in HPLC eluents easily and efficiently. Simply connect the unit in front of the pump to obtain stable chromatograms and reliable pump operation.

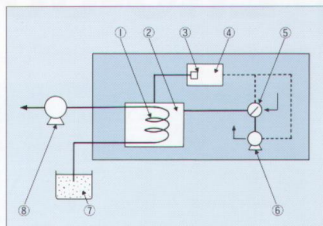


FEATURES

- Small internal volume: solvent replacement is easy and quick.
- High performance: degassing performance is unsurpassed despite the small internal volume.
- Unique safety features: internal pressure and leak monitors work to prevent damage in unusual situations.
- Use with any HPLC pump: can even be used with quick-return type pumps due to low internal flow resistance.
- High quality: ERC degassers are designed, manufactured and tested in an ISO-9001 certified facility. All units also conform to CE safety specifications (EMC and LVD).
- Non-metallic solvent contact parts.

PRINCIPLE

The eluent flows through the degassing device made of special macromolecular membrane. Since the dissolved gas in the eluent has a smaller molecular size and stronger affinity with the membrane than the eluent, it can pass through the film selectively and can be eliminated from the eluent.



① Membrane ② Vacuum chamber ③ Pressure sensor
④ Controller ⑤ Three-way valve ⑥ Vacuum pump
⑦ Eluent ⑧ HPLC pump

SPECIFICATIONS

	ERC-3215 α	ERC-3315 α	ERC-3415 α
Solvent channels	2 channels	3 channels	4 channels
Max. flow rate	20mL/min./channel (25°C deionized water)		
Degassing capacity	Air bubble should not be observed at the outlet. (Conditions) Eluent: Deionized water Flow rate: 3mL/min. Temperature: 25°C (Reference) Oxygen concentration at the outlet was 2ppm under the above conditions.		
Internal volume	7mL/channel		
Solvent contact parts	PEEK(Inlet/Outlet port) PTFE(Membrane and tubing)		
Displays	•Power ON/OFF: "POWER" LED turns on when power is on. •Status monitor: "READY" LED turns on when the pressure is lower than the designated value. •Pressure monitor: "PRES." LED turns on when the pressure value is higher than the designated value for the designated time. •Leakage monitor: "LEAK" LED turns on when leakage in the device is detected.		
Functions	•Self cleaning: Cleaning of vacuum tubing by inhaling air. •Mode selection NORM: For ordinary use. CONT: For high performance degassing.		
Outputs	Open collector signal is output when "PRES." or "LEAK" LED turns on.		
Dimensions	71Wx310Dx136Hmm		
Weight	ca 5.1kg	ca 5.4kg	ca 5.5kg
Power source	AC 100~240 V, 50/60Hz (Free power source)		
Power consumption	10VA		

- For use with strong acids such as sulfuric acid or HFIP (hexafluoroisopropanol), a specially designed type is available.
- Besides the above types, 6 channel and preparative types are also available.

- Carefully read the operation manual before use.
- The specifications are subject to change without notice.
- These products are not intended for medical or clinical use.



SHOWA DENKO K.K.

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