Options available for GDS ND

Chamber capacities

6litre ✓

8litre ✓

Nold DeAerator™ (GDSND)

What is it?

The GDS Nold DeAerator™ (GDSND) is designed for the rapid degassing/deairing of water by means of cavitation and nucleation. This unit operates by violently agitating the liquid while it is held under a vacuum. The agitation is produced by means of an impeller coupled by a magnetic clutch to an electric motor. Cavitation occurs behind the blades of the rapidly rotating impeller causing the liquid to vaporize into a fine mist-like spray, (nucleation). Gases released from this spray are hurled outwards by centrifugal forces and bubble upwards into the evacuated space above the liquid from where they are removed.

How is it used?

The GDSND can quickly (within 3 to 5 minutes) produce de-aired water with a purity of less than 1ppm dissolved air without the need for application of heat.

Vacuums must exceed 29.5ins Hg (12Torr) for the GDSND to be effective. Belt driven, two stage, oil filled vacuum pumps of 25litre per minute capacity are preferred. Where the water aspirator is used, the water pressure must exceed 450kPa and approximately 12litres of water is required.

Technical specification

- **Capacities**: 6litre or 8litre.
- **Degassing purity**: 0.6ppm
- **Vacuum requirements:** 750mm Hg (12Torr) or better
- **Power consumption:** 14 Watts
- **Unit size (mm):** 6 litre: L=190, W=190, H=510, 8 litre: L=190, W=190, H=600
- **Unit weight:** 9kg

Why buy GDSND?

- Quick to use (de-aired water to 1ppm within 3 to 5 minutes)
- Extracts the air without the use of heat
- GDS worldwide technical support for peace of mind (see testimonials at www.gdsinstruments.com)

Due to continued development specifications may change without notice