



# FIRST FOR OIL DEHYDRATION

NDU-2NX: Neptune Dehydration Unit

Our Neptune dehydrators rapidly return oils to a clean and dry state



**NDU-2NX: 25 L/min (1,500 L/hr)  
portable oil dehydration unit**

Our Neptune Dehydration Unit 2 is a portable oil dehydration filter cart capable of rapidly removing both free and entrained water to under 100ppm. Ideal for mobile use around a plant or from site to site. The NDU-2NX is rugged enough to run continuously and transport easily in order to clean up heavily contaminated oils.

**Extensively specified into:**

- ▀ Hydraulic applications
- ▀ Lubrication systems
- ▀ Gearbox oils
- ▀ Transformer oils



The NDU-NX range  
utilises Filtasorb2

## Introduction

Filtertechnik's range of oil dehydration units are perfect for returning oil contaminated with water back to health cost effectively. By utilising the revolutionary Filtasorb2, Filtertechnik have developed a robust range of oil dehydration units that can return oil at many thousand ppm down to acceptable working levels of water content. Our Neptune range is able to remove water down to below 100ppm.

Should on-site verification of cleanliness and water content levels be required, practical quick connect fittings allow for instant plug-in to the Particle Pal, allowing real time results in ISO/NAS/SAE in a matter of minutes.

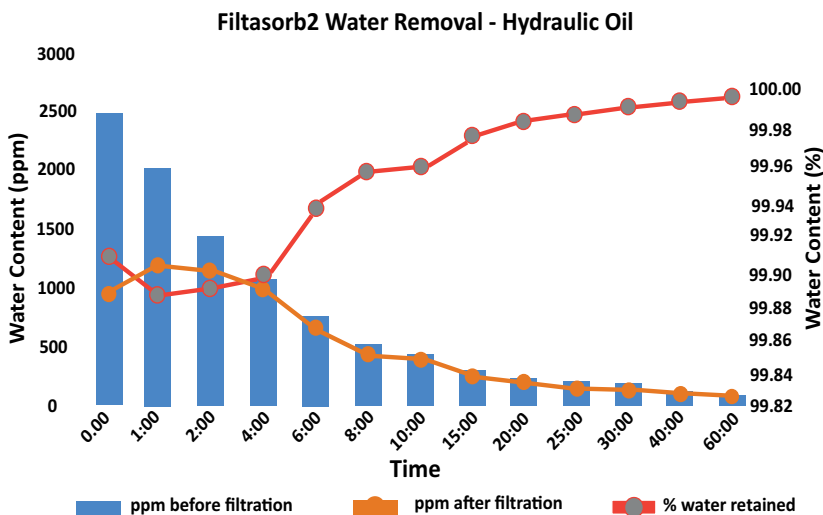
Filtertechnik's NDU-NX range is the perfect solution to quickly and cost effectively remove both free & entrained water in oils.

## Features

- High Performance Filtasorb2 inserts to achieve 100ppm or better
- Lightweight and portable, perfect for mobile and basement tank access
- Up to 25 L/min flow rate (1,500L/hr)
- High volume dirt holding capacity to deliver ISO cleanliness codes of 18/16/13
- Rugged frame with integral drip tray
- All terrain castor wheels for ease of manoeuvre
- Uses standard 110 V or 240 V mains electric

## Benefits

- Rapidly remove both free and entrained water from oil
- Low cost replacement filter cells
- Small footprint and easy to transport
- Low cost replacement filter cells
- Single pass cleanliness



NDU-2NX: 25L/min (1,500L/hr)

Capable of dehydrating 1,000 Litres of oil in 120 minutes\*

\*Tests carried out on 1,000 Litres of hydraulic oil. Starting: 2,500ppm  
Finishing: under 400ppm, considered a safe water content in hydraulic oil.

## NDU-2NX TECHNICAL SPECIFICATION

|                    |   |
|--------------------|---|
| Model              | NDU-2NX   |
| Dimensions         | 610 mm (W) 690 (D) 1260 (H)   |
| Flow Rate          | 25 L/min (1,500 L/hr)   |
| Dry weight         | 95 Kg   |
| Frame              | Mild Steel  |
| Finish             | Powder coated   |
| Voltage            | 110 V / 240 V / 415 V   |
| Frequency          | 50 Hz $\pm$ 1%  |
| Current            | 1.5 Amps (NDU-2NX-415)  |
|                    | 2.5 Amps (NDU-2NX-240)  |
|                    | 5 Amps (NDU-2NX-110)  |
| Switch             | Overload contactor  |
| Power              | 0.55 Kw   |
| Overload           | 4-10 Amp  |
| Starter contractor | Yes   |
| Pump               | Gear Pump   |
| Duty Cycle         | Continuous  |
| Noise Level        | <70dB @ 1 meter   |
| Motor Protection   | Thermal overload protection   |
| Filtration Housing | 1x double length housing  |
| Filtration         | Size 2 Filtasorb2 for particulate, solid contamination to 18/16/13 or better<br>Remove both free and entrained water down to under 100ppm |
| Bypass             | Cracking 26 psi (1.8 bar)   |
|                    | Full Flow 32 psi (2.2 bar)  |
| Filter Indicator   | Mechanical pressure differential  |
| Pressure           | 10 bar max  |
| Temperature        | 55°C max  |
| Medium             | Hydraulic and Transformer oils  |
| Environment        | IP55  |
| Connections        | 1" BSP Ball valves  |