



# FIRST FOR OIL DEHYDRATION

NDU-4NX: Neptune Dehydration Unit

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



**NDU-4NX: 100 L/min (6,000 L/hr)  
portable oil dehydration unit**

Our Neptune Dehydration Unit 4 is a transportable oil dehydration filtration unit capable of rapidly removing both free and entrained water to under 100ppm. The NDU-4NX is ideal for use around a plant & rugged enough to run continuously 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.

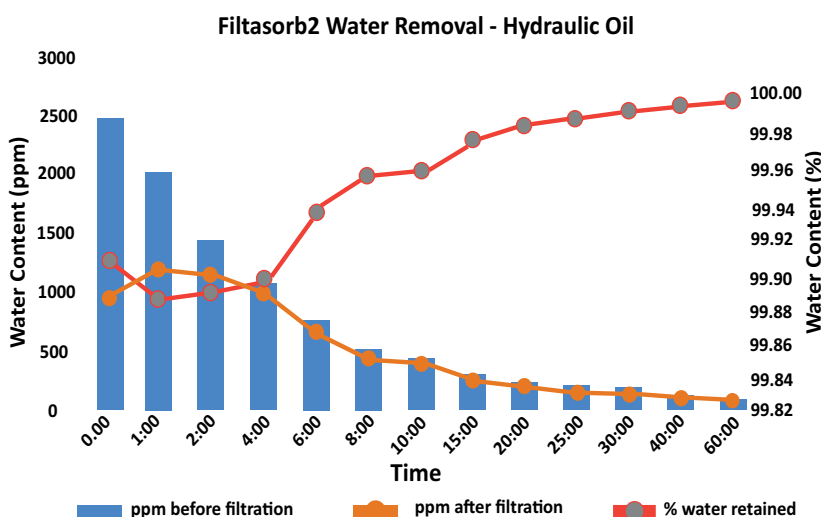
Filtertechnik's NDU-NX range is the perfect solution to quickly and cost effectively remove both free & entrained water in oils.

## Features

- High Performance Filtasorb2 inserts to achieve 100ppm or better
- Transportable - perfect for plant use
- Up to 100 L/min flow rate (6,000L/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
- Compact footprint and easy to transport
- Single pass cleanliness



NDU-4NX: 100L/min (6,000L/hr)

Capable of dehydrating 1,000 Litres of oil in 30 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-4NX - TECHNICAL SPECIFICATION

|                    |  |
|--------------------|--|
| Model              | NDU-4NX  |
| Dimensions         | 2260 cm (W)   1150 cm (D)   1495 cm (H)  |
| Flow Rate          | 100 L/min  |
| Frame              | Mild Steel   |
| Finish             | Powder coated  |
| Voltage            | 110 VAC (2 P+N+E) 240 VAC (2 P+N+E) 415 VAC (2 P+N+E)  |
| Frequency          | 50 Hz $\pm$ 2%   |
| Current            | 20 Amp (NDU-4NX-110)   |
|                    | 10 Amp (NDU-4NX-240)   |
|                    | 5 Amp (NDU-4NX-415)  |
| Switch             | Overload contactor   |
| Power              | 2.2 Kw   |
| Overload           | 4-10 Amp   |
| Starter contactor  | Yes  |
| Pump               | Gear Pump  |
| Duty Cycle         | Continuous   |
| Noise Level        | <70dB @ 1 meter  |
| Motor Protection   | 3 phase motors are provided with an automatic thermal protection switch  |
| Filtration Housing | 4x double length housing   |
| Filtration         | x4 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        | 2" Camlock / Valved   1/4" BSP   |