

Oil Purification Unit

CAPABILITY SHEET · FILTER · VACUUM · FINE STAGE · ENGINEERED TO ORDER

THE ONE IDEA

PRINCIPLE	Each contaminant has its own way out.
WHY IT MATTERS	A filter takes out solids but not dissolved water, so the unit adds vacuum for water and gas and a fine stage for varnish.

THE UNIT

FILTRATION	Coarse and fine filters take out solids, with indicators that show when an element is loaded.
VACUUM	Oil warmed gently and spread over a large surface under vacuum, so water and dissolved gas leave as vapour.
FINE STAGE	An electrostatic stage collects the finest soft products, on dry, non-conducting oil, after the dehydration.
READINGS	A moisture sensor, a particle counter and a sampling point on the loop read the oil during the run.

THE METHOD

ORDER	Specify, connect, warm, purify, measure and prove. The reading, and running until it says so, are what a quick order skips.
LIMITS	Targets, codes and limits come from the standard the customer names and from the duty, and are not printed here.

CONFIGURATIONS

PORTABLE FILTER UNIT	A trolley that circulates the oil through coarse and fine filters, with a sampling point on the loop.
VACUUM PURIFIER	A unit that warms the oil gently and dries it under vacuum, taking out water and gas as well as solids.
INTEGRATED UNIT	Filters, a vacuum stage and an electrostatic fine stage, with moisture and particle readings on the loop.

STANDARDS & SCOPE

STANDARDS	Public references: ISO 4406 for solid particle cleanliness in hydraulic fluid, and IEC 60422 for mineral insulating oil in service.
SCOPE BOUNDARY	It purifies oil in service: not a flushing rig, not a lube oil console, and not a filter test bench.
STATUS	Neometrix has quoted against successive oil purification and filtration requirements, and no delivered oil purification unit is claimed.

DEFENCE PROGRAMMES DESK

sales@neometrixgroup.com · +91 7777 876 876 · neometrixgroup.com
Neometrix Defence Limited · E-148, Sector 63, Noida, Uttar Pradesh, India