

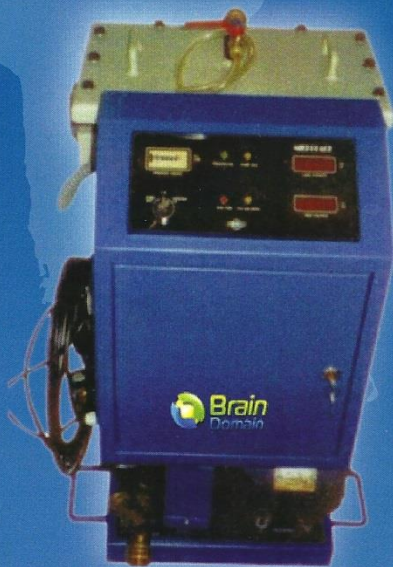


Electro-Nano Oil Cleaner BD-MEOC-XXX

Millions of Tons of Contaminated Oil is flushed into our Environment everyday, Brain Domain is doing its part by providing an eco friendly solution that helps to reduce the contaminated oil by Cleaning it and Re-Using it

Advantages

- Improve the MTBF of Precisions Machine Components Like Servo Valves, Moog Valves, Pumps and Sliding Mechanism.
- Avoids Back Pressure and Subsequent Back Flow of Contaminants Due to Clogged Filter Elements.
- Reduces Operating Cost and Improves Efficiency Through Periodic Submicronic Filtration.
- Reduces Machine Downtime and System Warm Up Periods.
- Clean Oil Without Stopping the Production Process.
- Improve Life of the Hydraulic System Components.
- Prolongs Oil Life and Eliminates Oil Change.



Machine Specifications

MODEL	BD-MEOC-25	BD-MEOC-50	BD-MEOC-100
Cleaning Tank Capacity	25 Liters	50 Liters	100 Liters
Length (mm)	550	630	740
Width (mm)	475	520	640
Height (mm)	750	860	940
Approximate Weight (Kgs)	75	90	130
Pump Details	Tushaco make Trochoidal Design Internal Gear Pump		
Pump Capacity	34 LPM	10-12 LPM	10-12 LPM
High Voltage Power	Upto 6 KV DC	Upto 12 KV DC	Upto 12 KV DC
Maximum Permissible Load	10 Milliamps	20 Milliamps	20 Milliamps
Motor	0.25 HP@1500RPM, 1 Ph., 230V, or 3 Ph. 415V	0.5 HP@1500RPM, 1 Ph., 230V, or 3 Ph. 415V	0.5 HP@1500RPM, 1 Ph., 230V, or 3 Ph. 415V

SALIENT FEATURES

Removes Suspended Solid Contaminations Down to Sub Micron
Very Low Energy Consumption and Operating Cost.
Pollution Free Process- No Chemical Reaction Involved.
Trolley Mounted , Portable Unit.
Unattended Continuous Operation after Initial Start Up.
On-line Cleaning Ensures Uninterrupted Manufacturing Process.
All Properties of Liquid Being Cleaned are Maintained.
Total Operation Control with One Key Switch.

USER INDUSTRIES

Plastic Injection and Blow Moulding Machines
Extruders and Pressure Die Casting Machines
Hydraulic Presses, General Hydraulic / Servo Valves
Turbine Control and Bearing Lubrication Systems
Earth Moving, Construction and Mining Equipments
Hot and Cold Rolling Mills
Machine Lubrication Systems
Cement & Power Plants
Test Sands

TYPES OF FLUIDS CLEANED

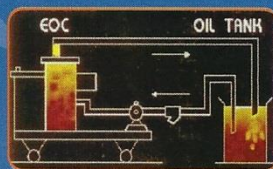
HYDRAULIC OIL
TURBINE OIL
BEARING LUBRICATION OIL
STRAIGHT CUTTING OIL
ANY OTHER NON-CONDUCTIVE LIQUIDS

CAN CLEAN OILS WITH FOLLOWING SPECIFICATIONS

VISCOSITY UP TO 200 cst
MOISTURE CONTENT UP TO 500 ppm
TEMPERATURE UP TO 60 C
NON DETERGENT OILS
NON WATER BASED CUTTING OILS

NOTE

Moisture Content More Than 500 ppm in Hydraulic Oil (Although not Desired, but Permissible) is a Common Feature, We Offer a Vacuum "Dehydration Unit" for Dehydration of Hydraulic Oil.



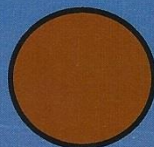
Principle

EOC is an Electro-Nano super oil cleaning equipment involving static charging of ionised suspended solid contaminants in fluids and oils and collecting them on an enormously spread of media with Nano pores. The cleaning process (as shown fig.) is carried out off-line which means the parent machine does not have to be shut down.

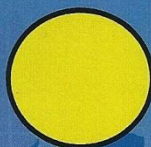
CHECKING OF OIL:

EOC- UNIT IS SUPPLIED WITH CONTAMINATION KIT(AS SHOWN IN FIG.)

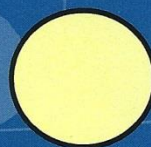
Oil Sample Drawn From the "EOC" is Subjected to Millipore Test. The Results of This Test are Illustrated Below:



Before Cleaning



Intermediate



After Cleaning

