

Vacuum Dehydration Oil Purification System



ACORE design and build the most effective, reliable Vacuum Dehydration Oil Purification Systems(VDF), which maintains completely clean and dry of liquids by continuous removal of particles, free and emulsified water, gas and sludge. Vacuum dehydration is the most effective method of water removal at minimum cost, it can achieve overall content down to 10 PPM. Using high performance rated multi-stage filter elements to removes particles as small as 1 micron with 99% efficiency. Meanwhile, VDF also can remove free, entrained and dissolved gases by vacuum distillation. It is are very effective, durable, and user-friendly high vacuum dehydration oil purification system on the market today.

Feature

- 1.High performance removal of water, gas and particulate
2. Low watt density oil heaters to prevent coking or burning of the oil
3. Remove 100% of free water and gases, and up to 80% of dissolved water and gases
- 4.Absolute rated particulate filters available in retention ratings from 1-40 microns
5. Dry-sealed rotary vane vacuum pump and positive displacement oil pumps
6. Phase reversing switch, dirty filter indication light and alarm condition lights for low oil level, high oil level, low flow, high heat and electrical phase
7. Extension of fluid service life
 - Minimized corrosion within systems
 - Reduced fluid disposal
 - Reduced operating costs
 - Increased equipment reliability
 - Simple automated operation



VDF Vacuum Dehydration Oil Filtration Systems can be used on following applications:

Lubricating Oil

Transformer Oil

Hydraulic Liquid

Turbine Oil

Compressor Oil

Cooling mineral oil

Insulating Oil

Gear Oil

Engine Oil

Technical Specifications

Model	VDF-10	VDF-20	VDF-30	VDF-50	VDF-100	VDF-150	VDF-200	VDF-250	VDF-300	
Capacity(L/min)	10	20	30	50	100	150	200	250	300	
Working vacuum	-0.06~-0.095 Mpa									
Working pressure	≤ 0.4 Mpa									
Temperature range	20-80°C									
Water content	≤20 ppm									
Gas content	≤ 0.1%									
Demulsifying value	≤8 min(GB/F7035)									
Cleanness	NAS 6 grade									
Filtering precision	≤1 micron									
Continuous work	100 hr									
No failure running	≥5000 hr									
Power supply	380V, 50HZ, 3PH (or Customized)									
Working noise	65 dB									
Heating power (kw)	24	24	30	35	60	90	120	140	150	
Total power (kw)	27	27	33	40	65	100	130	150	165	
Inlet/outlet(mm)	25	25	32	32	48	50	58	62	65	
Weight (kg)	300	350	400	500	800	1000	1200	1300	1350	
Dimension (mm)	L	1100	1150	1200	1300	1500	1600	1700	1900	2000
	W	800	800	850	950	1000	1150	1250	1300	1350
	H	1200	1250	1300	1350	1500	1600	1800	1900	2000

