

Phosphate Ester Fire-resistant/Anti-fuel Oil Purifier

Application

Series HFR oil purifier is especially designed for phosphate ester fire-resistant oil with suitable material for vacuum dehydration, particles-removal and acid-reduction. This machine can treat and regenerate the degenerative fire-resistant oil, removing acid, pigment, gas, water and particles. HFR phosphate ester fire-resistant oil purifier adopts stainless steel materials which are compatible with fire-resistant oil, combined with technologies of vacuum dewatering, multi-stage filtration system and new adsorbent to ensure treated oil achieve new fire-resistant oil properties.



Feature

1. The tanks and pipelines where fire-resistant oil going through are all made of stainless steel.
2. Dehydrate by vacuum distillation, water content less than 100ppm.
3. Oil-input and oil-output keep balance by photoelectric switch which is sensitive and accurate to monitor oil level in the tank, stop inputting oil when level marked high and keep inputting oil when low.
4. High quality filtering elements, large capacity for removing particles, anti-corrosion, good mechanical performance, cleanness up to NAS grade 6.
5. There is system with absorbent to solve acid problem.
6. After treatment, the important index-resistivity up to $\geq 6 \times 10^9$.
7. Adopt interlocked protective system, which connect oil pump, heater and liquid level sensor, avoiding blank heating, blank pumping, oil leak and electricity leak. If there is any fault, machine will be power off automatically.

Technical Specifications

Model	Unit	HFR-10	HFR-20	HFR-30	HFR-50	HFR-100
Capacity	L/H	600	1200	1800	3000	6000
Working vacuum	MPa	-0.06 ~ -0.095				
Working pressure	MPa	≤ 0.3				
Demulsifying value	min	$\leq 15/\text{min}(\text{GB/F7035})+$				
Water content	ppm	≤ 5				
Gas content	%	$\leq 0.1\%$				

Acid value	mKOH/g	≤0.01					
Resistance value	Ω	≥6 x 10 ⁹ Ω					
Filtering accuracy	micron	≤1					
Cleanness		≥ NAS 6 grade					
Power supply		380V 50HZ(As per user's option)					
Working noise	dB(A)	≤65 ~ 80					
Temperature range	℃	40 ~ 60					
Heating power	Kw	9	10	16	20	30	
Total power	Kw	12	14	20	25	35	
Weight	Kg	350	400	450	500	600	
Dimension	L	mm	1200	1200	1200	1600	1700
	W	mm	950	1000	1050	1200	1300
	H	mm	1600	1650	1700	1800	1900