



BZL Series Explosion-proof Vacuum Oil Purifier

Application:

BZL Series Explosion-Proof Vacuum Oil Purifiers are especially designed for the industries including petroleum, petrochemical, chemistry, coal mining, metallurgy, power plant etc with flammable and combustible working conditions. All their components such as heating system, electric control system, motor and solenoid valves etc are well-selected by adopting Explosion-proof type with grade ExdII BT4 and ExdIICT4 to adapt to different danger level.

The BZL series oil purifiers can be widely applied to the purification of many types of oil such as turbine oil, hydraulic oil, refrigerator oil, diesel and other lubricant oil to remove water, impurities and gas from the oil so as to improve its quality and recover its performance.

Advantages:

- Designed for flammable and combustible environment.
- Unique water/gas removal system, which is enable to fast remove water, gas and light hydrocarbon in oil.
- High precision multi-stage filtration system helps to remove mechanical impurities in oil effectively with function of automatically detecting the pollution degree of filter element.
- Fully automatic temperature control system, liquid-level control system, pressure protection system and excellent main components can ensure operation of the equipment with high performance.
- Each machine supports on-line operation without supervision with indicators to show operation status.
- Adopts humanization design with low noise, easy operation, long free-maintenance time and energy saving to lower the operation cost.
- With electrical control inter-lock design for oil inlet system and heating system to avoid bad influence of incorrect operation.
- Equipped with indication for changing filters and automatic stop device for overloaded filters.
- Equipped with emergency stop for electric leakage and power overload to protect the motor.
- With phase-sequence, phase lose protection function and safety control for sudden shut-down.

Optional Design Modes:

- The whole structure of the machine: mobiles style with four wheels, fixed style, mobile style with trailer(double axles or single axle), fully enclosed style, conceal eaves type and open style of canvas etc.
- Online moisture tester and online particle counter are available as optional components.



Technical Specification

Item	Name	Unit	LS-BZL-20	LS-BZL-30	LS-BZL-50	LS-BZL-100	LS-BZL-150	LS-BZL-200	LS-BZL-300	LS-BZL-500
Technical Parameter	Flow Rate	L/H	1200	1800	3000	6000	9000	12000	18000	30000
	Operating Vacuum Degree	MPa	-0.08~-0.098							
	Working Pressure	Mpa	≤0.5							
	Temperature Range	℃	20~70							
	Power Supply	V	380V/50Hz(or as needed)							
	Working Noise	dB(A)	≤75							
	Total Power	kW	24+3	24+3	30+5	48+5	72+5	72+6	99+10	108+16
	Inlet/Outlet Diameter	mm	25	25	32	40	50	50	65	80
	Net Weight	Kg	550	650	750	900	1000	1100	1300	1900
	Overall Dimensions	cm	120×140×165	120×140×165	125×145×175	130×160×190	175×155×220	175×155×220	180×170×225	120×190×230
Index for Oil Treatment	Water Content	mg/L	≤100(GB/T7600)							
	Mechanical Impurity	%	GB/T511							
	Filtration Precision	μm	≤10							

■ Above size and weight are for reference only, the specific data shall be subject to its physical object.