GCC Series Oil Pipeline Flushing Machine

Application:

GCC Series Oil Pipeline Flushing Machines are widely applied to remove pollutants caused by pipeline construction (installation) process to improve system's cleanliness so as to keep oil cleanliness within the contamination tolerance level of the key hydraulic components to guarantee the hydraulic system' s working reliability and components' service life. It is the necessary measures to clear or minimise initial fault.

Our GCC series oil pipeline flushing machines are the pipeline washing equipment designed for the pipe flushing and load test of hydraulic system especially applied to shipbuilding and metallurgical industry. It has the advantages like beautiful appearance, compact structure, convenient operation, reliable performance, low working noise, etc. It is particularly suitable for offline washing and test operation of hydraulic system pipelines in large ships and metallurgical equipment. It is suitable for purifying media such as hydraulic oil, lubricating oil, diesel, etc.

They consist of large flow capacity pump, oil tank, purification system, heater, meter, electric control cabinet, sampling valve, and other components. During running the machine, connect its inlet and outlet respectively to the inlet of oil supply mains on oil system tank and system to be flushed with temporary pipes to built a temporary circulatory system. The oil liquid is absorbed by large flow capacity pump from bottom of oil tank and finally turns back into the oil tank through pipeline one-way valve, pressure overflow regulating valve, system to be washed, first filter and second filter step by step. The oil flow flushes and circulates in the pipelines at a certain pressure and flow rate, impacts and breaks off the adhering contaminants on the inner wall of pipelines, then the adhering contaminants shall be removed by coarse and fine filters. By purification functions of filters and continuous purification while flushing, cleanness of oil in the pipeline meets the requirements of operation standard. And online particle detector can be its optional components as per user's requirements.

Technical Specification

Item	Unit	LSGCC-400	LSGCC-600	LSGCC-800	LSGCC-1000	LSGCC-1600	LSGCC-2400
Max.Flushing Rate	L/min	400	600	800	1000	1600	2400
Flushing Pressure	Mpa	≤4 Specific can be according to customer request					
Filtering Stages	-	2 Level					
Filtration Precision	-	6～8 Level（NAS1638）					
Motor Power	KW	22	37	45	74	110	150
Heating Power	KW	20	30	30	40	45	45
Total Power	KW	42	67	75	114	155	195
Power Supply	V	380V/50Hz (Or according to customer needs)					
Overall Dimensions	mm	1000×1200×1500	2000×1400×1800	2600×2000×2000	2800×200×2000	3100×2050×2000	3500×2050×2000
Max Diameter Flushing	mm	80	90	100	150	200	200

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