



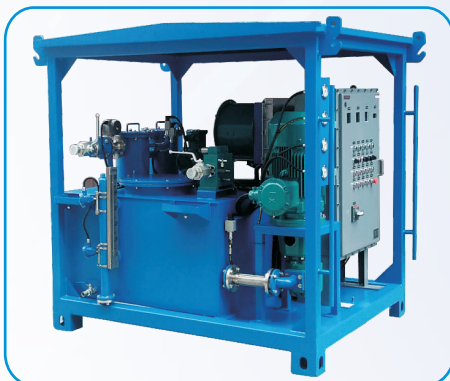
# GCC Series Oil Pipeline Flushing Machine

## 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	单位 Unit	LSGCC-300	LSGCC-600	LSGCC-1200	LSGCC-1800	LSGCC-2400	LSGCC-3000	LSGCC-3600	LSGCC-4200
Max.Flushing Rate	L/min	300	600	1200	1800	2400	3000	3600	4200
Flushing Pressure	Mpa	≤1 (Specific can be according to customer request)							
Filtering Stages	-	3 Level							
Filtration Precision	-	6~8 Level (NAS1638)							
Motor Power	KW	11	22	2×22	3×22	4×22	5×22	6×22	7×22
Heating Power	KW	20	20	30	30	45	45	60	60
Total Power	KW	34	42	77	100	135	155	192	214
Power Supply	V	380V/50Hz (Or according to customer needs)							
Equipment weight	kg	1800	2100	2500	2900	3300	3700	4500	5000
Overall Dimensions	mm	1800×1600×2000	1900×1600×2250	2700×1700×2250	2900×2000×2250	3400×2200×2450	4100×2200×2450	4100×2200×2450	4900×2200×2500
Max Diameter Flushing	mm	DN80	DN90	DN100	DN150	DN200	DN200	DN200	DN200

Note: The maximum flushing diameter is to ensure that the flow of hydraulic fluid in the tube when the turbulent flow of the theoretical calculation.