

PASKALS

Advanced Fluid Systems

Mission Statement

To assure that our customers' technical and business requirements are exceeded in the highest professional manner, and to ensure their short and long term economic goals are met.

Our company culture communicates honestly with our customers and partners; Our approach is distinctly different from larger, more impersonal firms, in responding to their needs. We offer immediate responses to technical problems and take the extra steps necessary to bring about successful solutions.



Flushing Rigs

(Chemical Cleaning & Hydraulic Flushing and Testing rigs)

PASKALS is an advanced fluid systems company offering wide range of Products & custom built advanced fluid systems. We also provide engineering consultancy in High Pressure Fluid Systems DOMAIN for product development, testing & validation. We can test & validate your products/ systems in our High Pressure Fluid Systems LAB.

We can match all the DNV rules and standards for oil and gas industry.

Hot Oil Flushing Service

Cleanliness of hydraulic and lubrication systems is paramount to prevent premature failure of the system. It is during commissioning and subsequent operation of the newly installation machine that the majority of this damage can occur. Welded and non-welded plumbing systems using tube and pipe may contain particles or water from the joining process or environment in which they have been stored. These particles can damage your new equipment leading to further delays and cost.

Most OEM's require a hot oil flush of the plumbing systems and unit prior to start-up to ensure the system is clean and oil is free of any contamination. Hot Oil flushing is achieved by the pumping suitable fluid through the lines of the system at a very high flow rate to induce vortices on the flow that ultimately remove any loose particles attached within. The flushing velocities are dictated by the calculated Reynolds's number, which in turn is dictated by the type of fluid use, line size and temperature employed.

We offer Hot Oil Flushing services as required and are guided by the OEM's requirement for cleanliness within the system usually dictated by standards such as ISO 4406 and NAS 1683. We currently have capacity to generate flow of 1300lpm with our larger rig. This capacity is more than adequate for line sizes from ¼" to 16" and covers all typically hydraulic and lubrication circuit line sizes.

Our services include:

- Designing the flushing circuit
- Calculating the flow required
- Setting up the circuit with our rig and associated hoses and flange connections
- Performing the flush while monitoring cleanliness levels



To meet the requirements of the Offshore Oil Industry, PASKALS have developed a range of high pressure Hydraulic Flushing Rigs. :

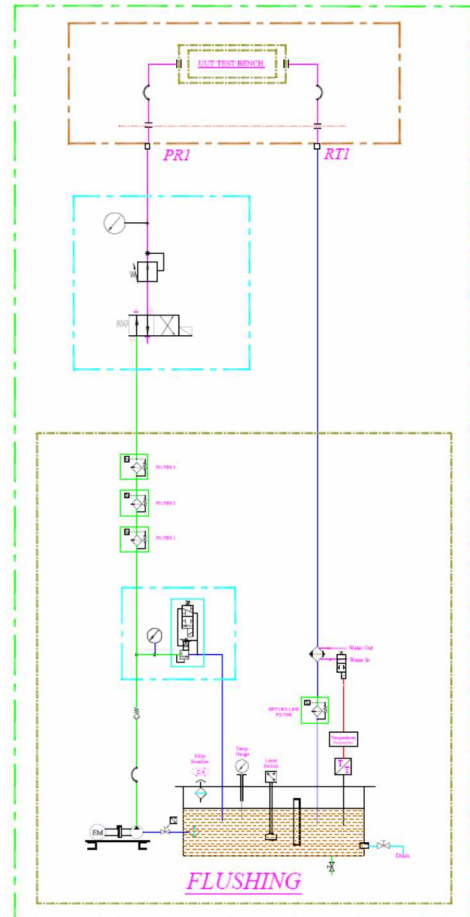
(a) A combined Hydraulic Flushing/Hydrostatic Test Unit capable of flushing to NAS Class 6 at pressures of up to 200 Bar and flow rates of up to 31 Ltr/min. The same unit offered hydrostatic test pressures of up to 1000 Bar.

(a)



(b)

(b) An Umbilical Hose Flushing and Pressure Test Unit designed to flush and test umbilical hoses to NAS Class 6.



(c) A Mobile Hydraulic Flushing Rig capable of flushing with subsea fluids at pressures up to 207 Bar with flows of up to 56 Ltr/min.

(c)



OUR OTHER PRODUCTS:-



CNG Vigilant - CNG Circuit Leak Tester



PressurePAC



CNG Service Masters



CNG Circuit Component Tester



TestPAC



Hydraulic Power Pack



CNG Dispensing Packages



Gas Distribution System



Gas Generator & Plants



Special Gas Systems



Test Stands



Pilot Plants & Skids



Oxygen Test stand