

GEM PRESSURE SYSTEMS (INDIA) PVT. LTD.



HIGH PRESSURE TECHNOLOGY



Gem Pressure Systems (India) Pvt Ltd (GPS), one of the five ISO 9001-2008 manufacturing units of the Gem Group is located in Hyderabad. GPS is associated with five of the largest high pressure hydro-pneumatic equipment OEMs worldwide. It also has around 300 sourcing associates in India.

GPS has sterling experience in indigenously designing and manufacturing customised high pressure hydro-pneumatic systems using electric or air driven liquid pumps, gas boosters and compressors, for Oil & Gas, Petrochemicals, Aerospace, Defence, Automotive, R&D as well as general industry in India. We have proven experience in designing and producing a wide variety of chemical injection packages, hydrostatic test equipment, high pressure gas charging and gas injection systems, N₂/O₂ Plants, as well as computer controlled, fully automated control panels with customised SCADA mimics and interface to central DCS.

GPS has an in-house design team capable of 3D design simulation of systems, project managers, commercial, marketing & accounting teams, a well-stocked store besides a well-appointed workshop with safety chamber and an Oxygen sterile room. The facility covers 2500 sq mtrs and is staffed with over 45 personnel.

GPS is an enthusiastic and energetic company which lays the greatest emphasis on quality, customer satisfaction and timely delivery. We provide warranty and lifetime product support. Our continuous investment in cutting edge technology, as well as being channel partners with various worldwide OEMs and user groups, ensure that we remain as a leading solutions provider in High Pressure Technology.

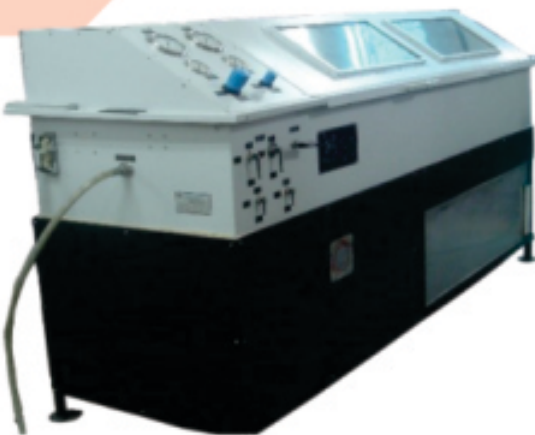


AUTOMATED PRESSURISATION & CONTROL SYSTEM



We can manufacture a wide range of Hydraulic Test Systems with Pressure ratings from 1000 psi to 150,000 psi. These systems are designed and manufactured as per international standards, and customer specifications, with measuring instruments / recording devices from simple chart recorder to fully automated computer controlled ones. Fully automated Systems can be supplied with features like remote control of testing as part of the latest safety norms in the Defence, R&D and Oil & Gas Industries. These systems shall be equipped with Data acquisition and automatic report generation, with traceability documentation.

HOSE TEST RIGS



Generic hose test rigs built by us, some mechanical and others totally PLC controlled with data logging, are in use with several customers in Defence R&D, Aerospace, Oil & Gas as well as Petrochemical industries. These are used for hydrostatic proof tests of not only hoses, but also testing assorted valves, pipe sections, manifolds and other hydraulic components. Some of the rigs are combo, hydraulic + pneumatic, to facilitate pneumatic (Nitrogen) high pressure leak testing after the hydrostatic testing.

PORTABLE PRESSURE TEST & CALIBRATION UNITS IN SUITCASE



These are light weight, highly portable custom built units, as per user requirements, used in Oil & Gas industry, for hydraulic or pneumatic pressure testing or calibration, of assorted hydro pneumatic systems or components, gauges, pressure transducers etc. Can be made totally mechanical or with EXD electronic controls, even with data logging, using a lap top with SCADA software with mimics. They need external pressure source, which could also be supplied along with these test & calibration units.

PORTABLE HYDRALIC PRESSURE GENERATORS



HYDRAULIC PRESSURE PACKS: These are light weight, highly portable custom built hydraulic pressure packs, used in myriad industries including Defence R&D, Aerospace, Oil & Gas, Petrochemicals etc, for generating high hydraulic pressure for control actuation, testing or calibration of assorted hydro pneumatic systems or components, gauges, pressure transducers etc. Can be made totally mechanical or with EXD electrical controls.

PNEUMATIC PRESSURE PACKS (GAS BOOSTERS)



These are light weight, highly portable custom built pneumatic pressure packs, used in myriad industries including Defence R&D, Aerospace, Oil & Gas, Petrochemicals etc, for transferring gas, generating high pneumatic pressure for leak & proof testing, or calibration of assorted hydro pneumatic systems or components, gauges, pressure transducers. Can be made totally mechanical or with EXD electrical controls.

SIMPLE POWER PACKS OR COMPLEX TEST RIGS FOR HYDRAULIC TESTING

A wide range of state of the art, ergonomic, all mechanical or electromechanical hydraulic test rigs to cater to low-high-low flow and pressure using any fluid desired by the user. Provision for Chart Recorders, data logging with PLC/SCADA with laptop.



GAS CHARGING OR COMPLEX HIGH PRESSURE PNEUMATIC TEST RIGS

Our product basket has a large variety of gas boosting systems as well as Pneumatic Test Rigs to cater to myriad requirements of high pressure gas of any type.

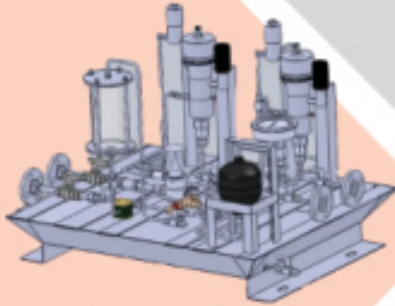


GAS GENERATORS & GAS BOOSTING SYSTEMS

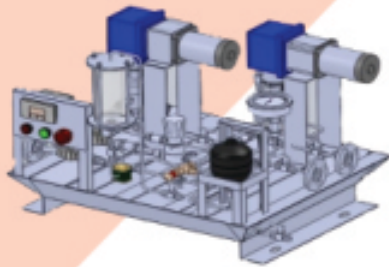
We have proven track record for integrating gas plants with gas boosting system to provide standalone high pressure gas generators (Nitrogen / Oxygen)



API 654 & 675 CHEMICAL INJECTION & TRANSFER PUMP SKIDS



AIR OR GAS DRIVEN ALL MECHANICAL, ALL SS PUMP SKID



ELECTRO MECHANICAL, ALL SS PUMP SKID

AIR OR GAS DRIVEN ALL MECHANICAL, ALL SS PUMP SKID, we have proven track record for API 674 & 675 chemical injection and transfer skids manufactured by us for both 'on and off-shore' operations in Oil & Gas industry. These pump skids can be either air / gas operated (all mechanical) or electromechanical. We can also do solar power driven pump skids, even for remote area operations controlled by satellite link.



SOLAR POWERED INJECTION SKID

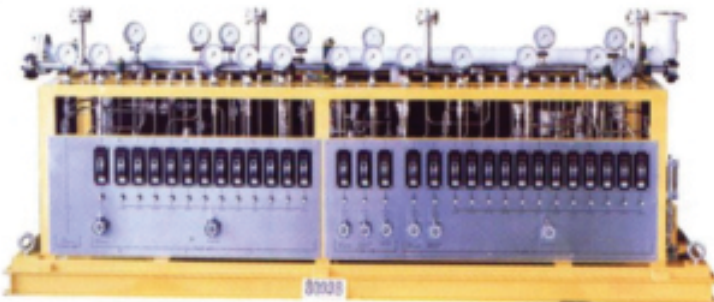


HIGH PRESSURE, HIGH FLOW, GLYCOL INJECTION SKID



INJECTION RATE CONTROL DEVICES (IRCDs)

Injection Rate Control Devices which facilitate Multi Point Injection of same chemical, from single skid / tank, at varying pressure and flow at each injection point.



RIX (USA) NON LUBRICATED, OIL FREE, GAS COMPRESSORS



RIX Industries
4900 Industrial Way
Benicia CA 94510, USA



Large Family Of Compressors To Suit User Requirement Of Flow & Pressure

RIX Industries is the oldest and worldwide leader in manufacturing state-of-the-art gas compressors for Industrial, Scientific (R&D), Oil & Gas, Petrochemicals, Aerospace and Defence industries. Applications include virtually all types of gases including air, breathing air, nitrogen, oxygen, argon, helium, hydrogen, ethylene, carbon dioxide, natural gas, and a variety of mixed gas combinations. Manufacturing facilities are located in California and Sparks (Reno), Nevada, USA.

Gem Pressure Systems (India) Pvt Ltd is an authorised distributor, Customer Support Centre, System Packager and Solutions Provider for Rix products. Being an ISO 9001-2008 OEM of high pressure Special Purpose Machines, Gem has the ability to custom design and package high pressure solutions using RIX compressors, with life time product and maintenance support.



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