



# HIGH PRESSURE HYDRO JETTING NPM 1525 R MODEL

CONDENSER BOILER HEAT EXCHANGER EVAPORATOR

# **HYDRO JETTING APPLICATIONS**



# **HW SERIES - NPM 1525 R**



- ✓ Field proven design.
- ✓ Forged Brass fluid-end construction with high strength.
- ✓ Rigorously subjected to full load testing.
- ✓ Manufactured on state-of-the-art machinery.
- ✓ Light in weight & heavy duty construction with continuous duty model.
- ✓ Splash lubrication.
- ✓ Available as direct couple driven.
- ✓ Easy Field Maintenance.

Pump model	Flow (LPM)	Flow (GPM)	Pressure (Bar)	Pressure (PSI)	Motor H.P.	Engine H.P.
50 Hz (1450 RPM)						
NPM 1525 R	15	4	250	3625	10	13
60 Hz (1750 RPM)						
NPM 1525 R	18	4.7	250	3625	12.5	-

We manufacture wide range of hydro jetting machines for the pressure ranging from **250 bar to 1400 bar**. Please visit Quick Selection Chart of Hydro Jetting Machine.



Frame Mounted System



**Trolley Mounted System** 

Technical Details: Inlet connection (BSPF) – 1/2"
Outlet Connection (BSPF) – 3/8"
Working Fluid Temp. – 60 °C

# **HYDRO JETTING ACCESSORIES**

### **SAFETY VALVE**

**Safety valve** is a very important accessory. It **prevents major accidents** form occurring in case of problem arising out of high pressure built up in line. It is standard on all PressureJet Pumps for temporary relief of excess system pressure.

#### **Safety Valve**

- ✓ Provides over-pressure protection
- ✓ Ensures safety for operator
- ✓ Intentionally designed weak part to avoid major loss
- ✓ Pressure range up to 1400 bar 20,000 PSI.
- ✓ Flow rate range up to 80 LPM 21.13 GPM.



# PRESSURE REGULATING VALVE

A **pressure regulating valve** is a control valve that regulates the output pressure of the pump. Regulators are used for gases and liquids, and can be an integral device with an output pressure setting, a restrictor and a sensor. These may all be in the one body, or consist of a separate pressure sensor, controller and



#### **Pressure Regulating Valve**

- Regulates output pressure as required
- ✓ Bypasses excess water
- ✓ Pressure range up to 1400 bar 20,000 PSI.
- ✓ Flow rate range up to 80 LPM 21.13 GPM.

## **FOOT OPERATED VALVE**

**Foot operated valves** are operated by foot paddle. These are mainly used in hydro jetting applications. Foot operated valve used for loading & unloading the pressure in the pump. They are designed for smooth and reliable operation of the pump.

#### **Foot Operated Valve (FOV)**

- ✓ To start-stop and control water flow using the foot of an operator. Enables him keep his hands free for in-out movement of flexible lance inside tubes.
- ✓ Very essential for Operator safety, helps avoid accidents.



# HIGH PRESSURE FLEXIBLE LANCE

A high pressure flexible lance connects FOV to Nozzle. Tube or pipe cleaning Nozzle is attached to the end of the lance to clean tubes or pipes of various diameters.



#### **High Pressure Flexible Lance**

- ✓ Smooth inner core surface to minimize pressure drop
- ✓ Small diameter pipes to easily enter inside ID of tubes.
- ✓ Specially designed to withstand high pressures.
- ✓ Available in various lengths as per requirement.
- ✓ Mainly used in hydro jetting applications of pressure up to 1400 bar. Available for tube ID size up to 60 mm.

## HIGH PRESSURE RIGID LANCE

In hydro jetting applications, a **high pressure rigid lance** provides easy and firm grip to counter back pressure at the time pf in and out movement of nozzle. A nozzle is attached to the end of the lance and the size of the nozzle provides certain pressure depending on the flow rate.

#### **High Pressure Rigid Lance**

- ✓ SS construction for long life.
- Available in various lengths as per requirement



## **CONTROL PANEL**

A control panel is a flat, often vertical area where control or monitoring instruments are displayed. It has many controls like on/off button, Safety Shut-down switch, Voltage and Ampere readings etc...



**Electric Control Panel** 

#### **Electric Control Panel**

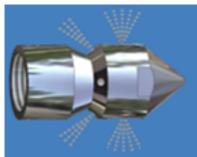
- ✓ For over and under voltage protection
- ✓ Electric control panel has important and necessary controls like hour meter, volt meter, over load protection, etc.
- ✓ Control panel comes with single phase and short circuit protection

# **HYDRO JETTING NOZZLE OPTIONS**







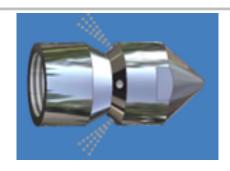


**Tube Cleaning Nozzle Options** 

- ✓ SS hardened nozzles, specially designed to suit high pressure
- ✓ Various nozzle sizes available to suit different applications and tube IDs ranging from min. 13 mm (1/2") to max. pipes of 1800 mm (72")
- ✓ Various hole patterns available for effective cleaning as per job requirement
- ✓ Conventional and Rotating both type of nozzles available
- ✓ Note: Detailed consultation will be provided up on request.

# **CONVENTIONAL TUBE CLEANING NOZZLES**

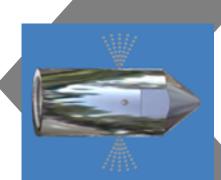




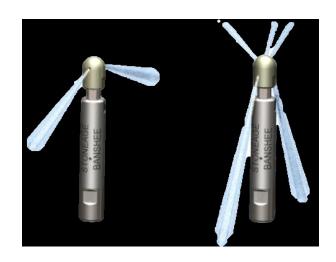


#### **Conventional Tube Cleaning Nozzle**

- ✓ SS hardened nozzles, designed to suit high pressure
- ✓ Various sizes available to suit different tube IDs ranging from min. 13 mm (1/2") to max. pipes of 100 mm (4")
- √ Various hole patterns available for effective cleaning
- ✓ Note: Detailed consultation will be provided up on request.



# **ROTATING TUBE CLEANING NOZZLE**





#### **Rotating Tube Cleaning Nozzle**

- ✓ Highly effective and time saving than conventional.
- ✓ StoneAge-USA make patented design.
- ✓ Various sizes available to suit different Tube IDs ranging from min. 13 mm (1/2") to max. pipes of 1800 mm (72").
- ✓ Note: Detailed consultation will be provided on request.

# PRESSURE GAUGE

**Glycerin Filled Pressure Gauge**, ideal for dampening the effect of pulsation and vibration. Widely demanded, it has a stainless steel case filled with glycerin to offer protection against harsh environments. It enhances the integrity and reliability of measuring system for long periods under extreme operating condition.

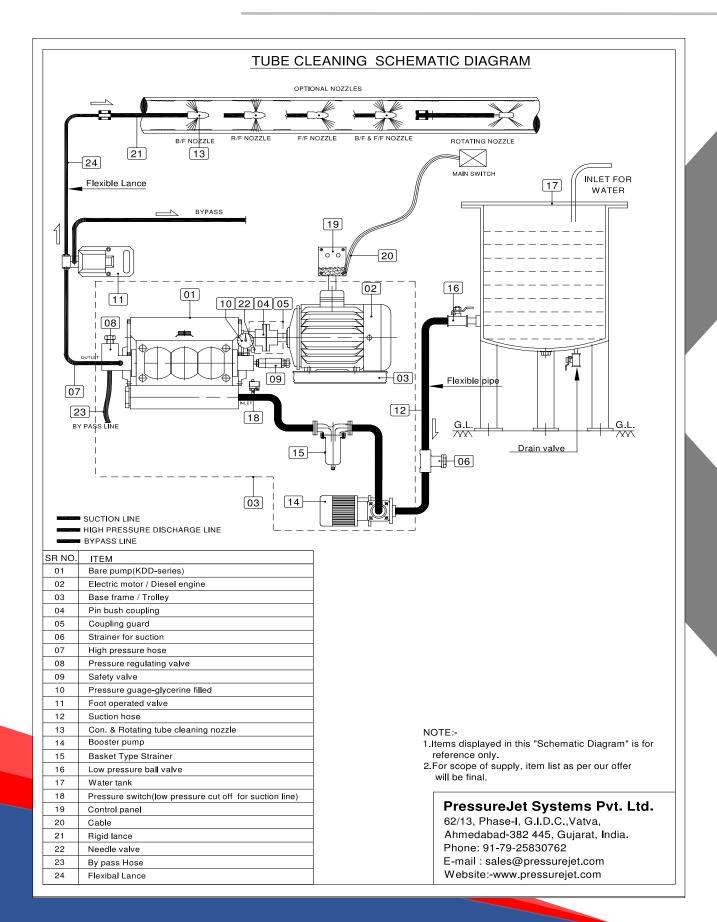
Note: - Available in various size as per requirement.



#### **Pressure Gauge**

- ✓ Approx. 2 times pump operating pressure
- ✓ Glycerin filled
- ✓ Easy to read dial
- ✓ With needle valve

# LINE DIAGRAM OF HYDRO JETTING SYSTEM



### PARTIAL LIST OF CLIENTS























**Important Note:** Owing to continuous R & D, technical details and specifications mentioned in this catalogue are liable to change anytime. All rights reserved with PressureJet. For latest Information & more details, please visit our website.

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