



HIGH PRESSURE HYDRO JETTING HW SERIES

CONDENSER
BOILER

HEAT EXCHANGER
EVAPORATOR

2018

HYDRO JETTING APPLICATIONS

Applications

Heat Exchanger Tube Cleaning Equipment

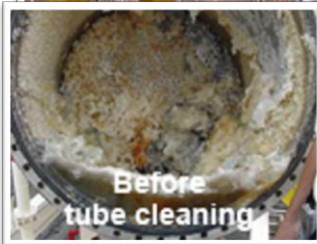
Condenser Tube Cleaning System

Evaporator Tube Cleaning System

Calandria Tube Cleaning Pump

Hydro Jetting Machine for Boiler Tube Cleaning

Industrial Tube Cleaning System



HW SERIES



- ✓ 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
PX 1735 IR	17	4.5	350	5000	15	25
PX 2150 IR	21	5.5	500	7250	30	38
60 Hz (1750 RPM)						
NPM 1525 R	18	4.7	250	3625	12.5	-
PX 1735 IR	20	5.4	350	5000	15	-
PX 2150 IR	25	6.7	500	7250	30	-

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.



Trolley Mounted System



Frame 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** from 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 flow valve.



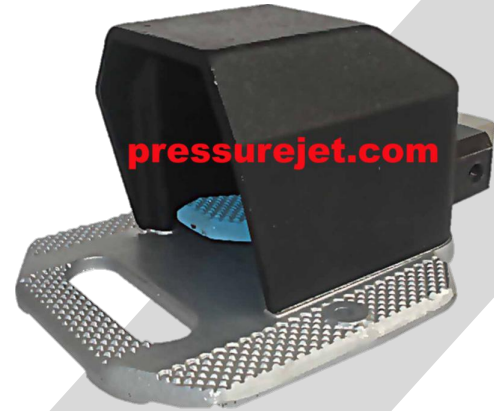
Pressure Regulating Valve

- ✓ 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 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 of 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....

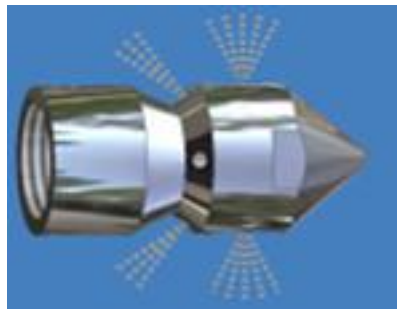


Electric Control Panel

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

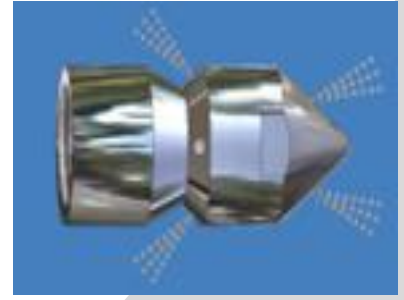
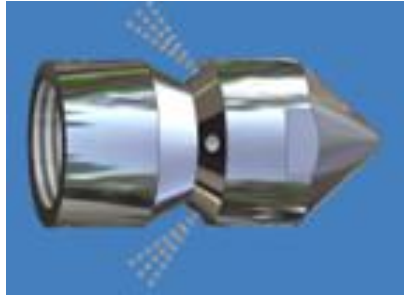
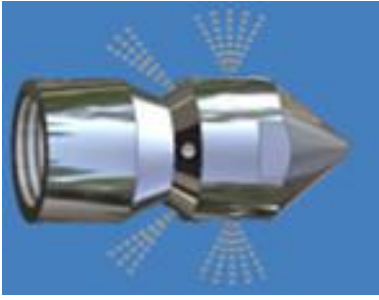
HYDRO JETTING NOZZLE OPTIONS



Tube Cleaning Nozzle Options

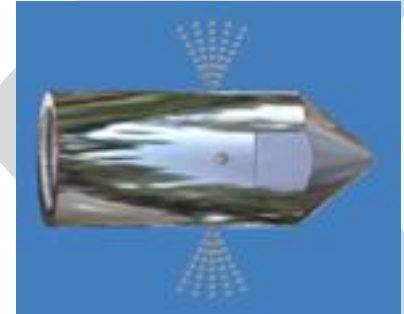
- ✓ SS hardened nozzles, specially designed to suit high pressure
- ✓ Various nozzle sizes available to suit different applications and tube IDs ranging from min. 13 mm (1/2") to max. pipes of 1800 mm (72")
- ✓ Various hole patterns available for effective cleaning as per job requirement
- ✓ Conventional 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.

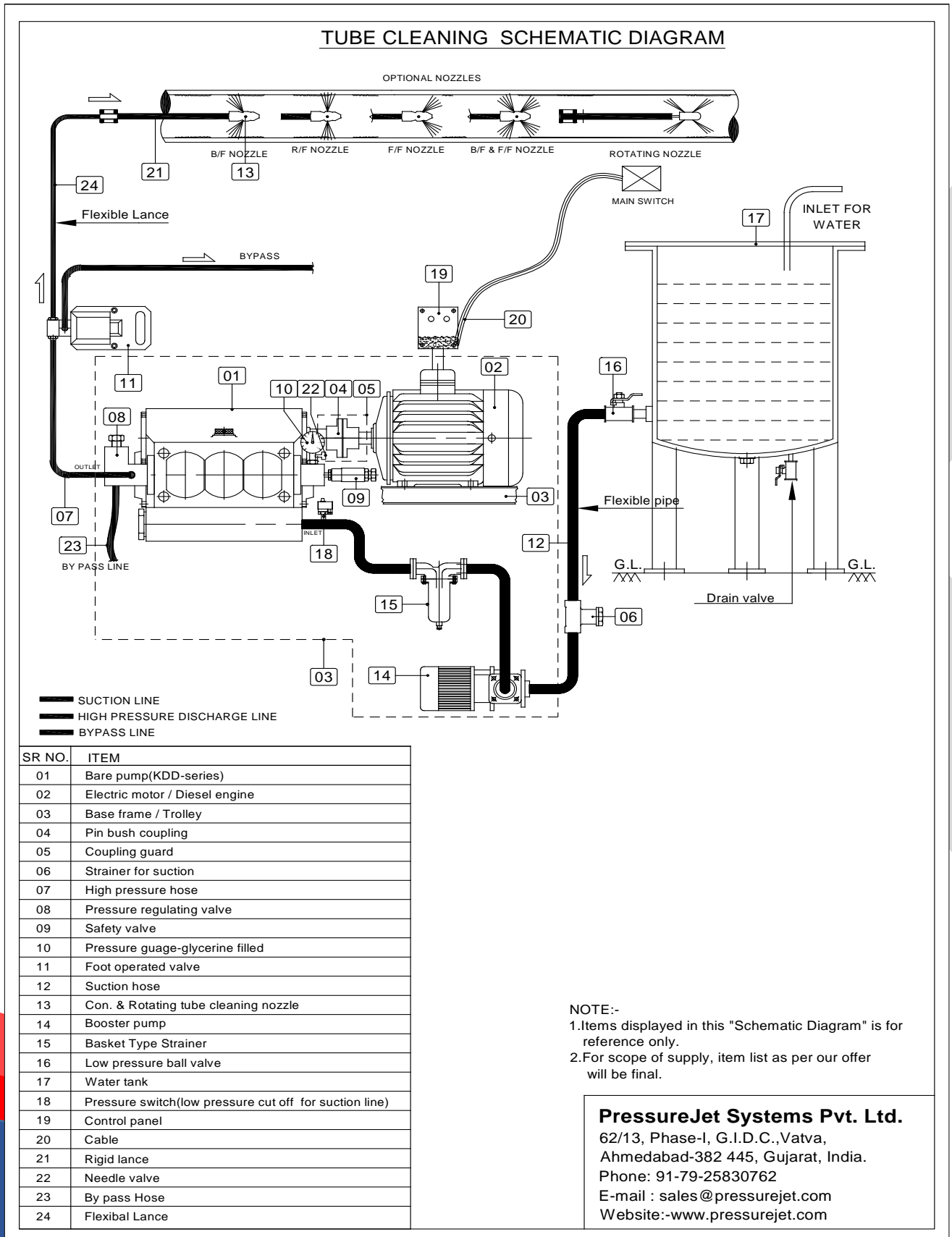
Note: - Available in various size as per requirement.



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



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