

# INDUSTRY LEADER IN THE SEWER JETTING PUMPS



**PressureJet**<sup>TM</sup>  
EXPLORE THE WATER POWER



USE THE MOST DEPENDABLE  
AND ECONOMICAL SEWER  
JETTING PUMP AND SAY NO  
TO MANUAL SCAVENGING

WIDEST  
PRODUCT RANGE  
IN THE MARKET



FLOW RATE  
MIN. **14 L/MIN** TO  
MAX. **481 L/MIN**



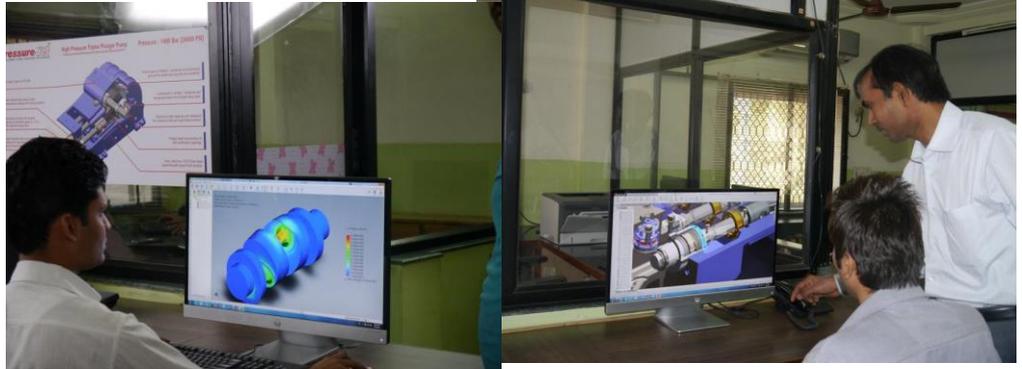
[www.sewerjettingpumps.com](http://www.sewerjettingpumps.com)

# ABOUT PRESSUREJET

PressureJet Systems Pvt. Ltd. was established in 1996 in Ahmedabad, India. PressureJet (An ISO 9001:2015 certified company) is a leading manufacturer of high pressure triplex plunger pumps and relevant accessories. These pumps are most suitable for Sewer jetting applications. Today, PressureJet has a work force of more than 100 dedicated people. We have 70,000 Sq. ft. area in Asia's premier industrial estate in Ahmedabad. Out of which, 38,000 Sq. ft. area has been allocated for manufacturing activities.



## DESIGN & DEVELOPMENT



PressureJet has an in-house Design & Development Department that continues strives to design pragmatic and cost-effective solution that fulfil customer's needs. It is equipped with six separate workstation with licensed modelling tools like SolidWorks 3-D software and has machine design analysis capabilities.

The Design and Development department of PressureJet is highly passionate about innovation and creating cutting edge products for clients. We have a team of highly qualified and passionate individuals who are always ready and eager to resolve any customer issues. This, along with our state-of-the-art infrastructure makes for one of the most advanced and dedicated Product Development department in the industry.

## BARE PUMP ASSEMBLY

We don't simply talk about engineering, we put it in action, and this reflects in every aspect of our business. High pressure pumps are similar to engines in a lot of ways and should ideally have a dust free assembly shop, like the one at PressureJet. Ours is the only engineering company, after Toyota and Ford Motors, to use the highly sophisticated and very accurate Atlas Copco CNC Torque Wrench to assemble the pumps. In addition, we have developed in house some very special and highly accurate fixtures that ensure highly accurate assembly of pumps.



# PRODUCTION FACILITY



The high-pressure pump manufacturing process requires manufacturing extremely high-quality components, at comparatively low volume.

Further, the high-pressure pump mechanism is similar to an engine and has a crank-shaft, connecting rod, crank-case etc... And it converts rotary motion into reciprocating motion similar to an automobile engine. This necessitates use of components that have very high dimensional accuracy/smooth surface finish.

Today, PressureJet has world-class, state-of-the-art, highly accurate and extremely Rugged branded machinery that ensure consistent manufacturing of very high precision critical components of high pressure pumps, which are at par with international quality. But then again, unlike most of other manufacturers, we don't want you to take us at face value. Adjectives can barely scratch the surface of what we do here at PressureJet. We are engineers, and we deal in facts and figures.

# QUALITY CONTROL



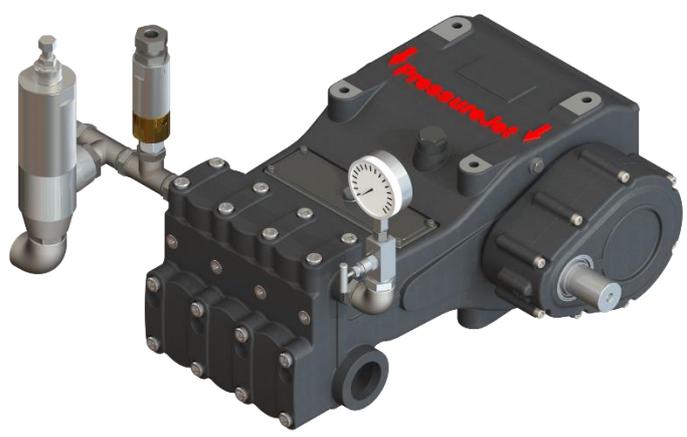
PressureJet is equipped with the most advanced quality checking equipment among all high pressure plunger pump manufacturers in India. This enables the company's quality to stand head and shoulders above competitors. PressureJet believes in maintaining international Quality standards for its products.

To the end, the company has invested over INR 10 million in establishing its Quality Checking department and checks all critical precision engineering components of the pumps in a controlled environment. It currently uses 257 sophisticated and different quality checking instruments across the entire manufacturing process-right from procurement of raw materials to final inspection and testing of pumps before dispatch.

PressureJet is the only High Pressure-Pump manufacturing company in India that has the highest number of quality checking instruments that are procured, maintained and regularly used to ensure.

PUMP SERIES	MODEL	PUMP SPEED	FLOW RATE IN LPM	PRESSURE IN BAR (ENGINE H.P.)		
<b>HW</b>	NHDP 1415 R	1500	14	150 (8)	-	-
	NPM 1525 R		15	250 (15)	180 (10)	-
	NMT 2120 R		21	200 (16)	180 (15)	130 (11)
	NLT 3020 IR		30	200 (23)	155 (18)	125 (15)
	XLT 4017 IR		40	170 (26)	140 (23)	-
	XLT 5415 IR		54	150 (28)	130 (27)	-
	XXT 7015 IR		70	150 (32)	130 (28)	-
<b>EA</b>	EA 30	985	84	183 (48)	138 (36)	-
	EA 36	825	101	152 (48)	-	-
	EA 40	825	124	123 (48)	-	-
<b>VA</b>	VA 40	500	129	165 (72)	150 (60)	-
	VA 36	600	139	170 (60)	140 (48)	-
	VA 40	800	172	135 (72)	-	-
<b>EM</b>	EM 45	800	267	155 (130)	145 (120)	-
	EM 50		330	125 (130)	-	-
<b>ES</b>	ES 55	672	345	200 (216)	175 (180)	140 (144)
	ES 60		410	170 (216)	145 (180)	-
	ES 65		481	145 (216)	-	-

\* Above models specifications are considering @1500 RPM.



# CROSS SECTIONAL VIEW

## PISTON/CROSS HEAD

Grey Iron & Stainless Steel: Alloy casting piston & stainless steel piston rod are hardened & super finish surface.

## PLUNGER SEAL

PTFE Aramide / GFO Aramide rope: Aramide fiber yarn packing with PTFE fiber face or carbonaceous aramide yarn packing with GFO fiber face for high compressive & tensile strength ensure effective sealing.

## COMPLETE VALVE INTERNAL (VALVE ASSEMBLY)

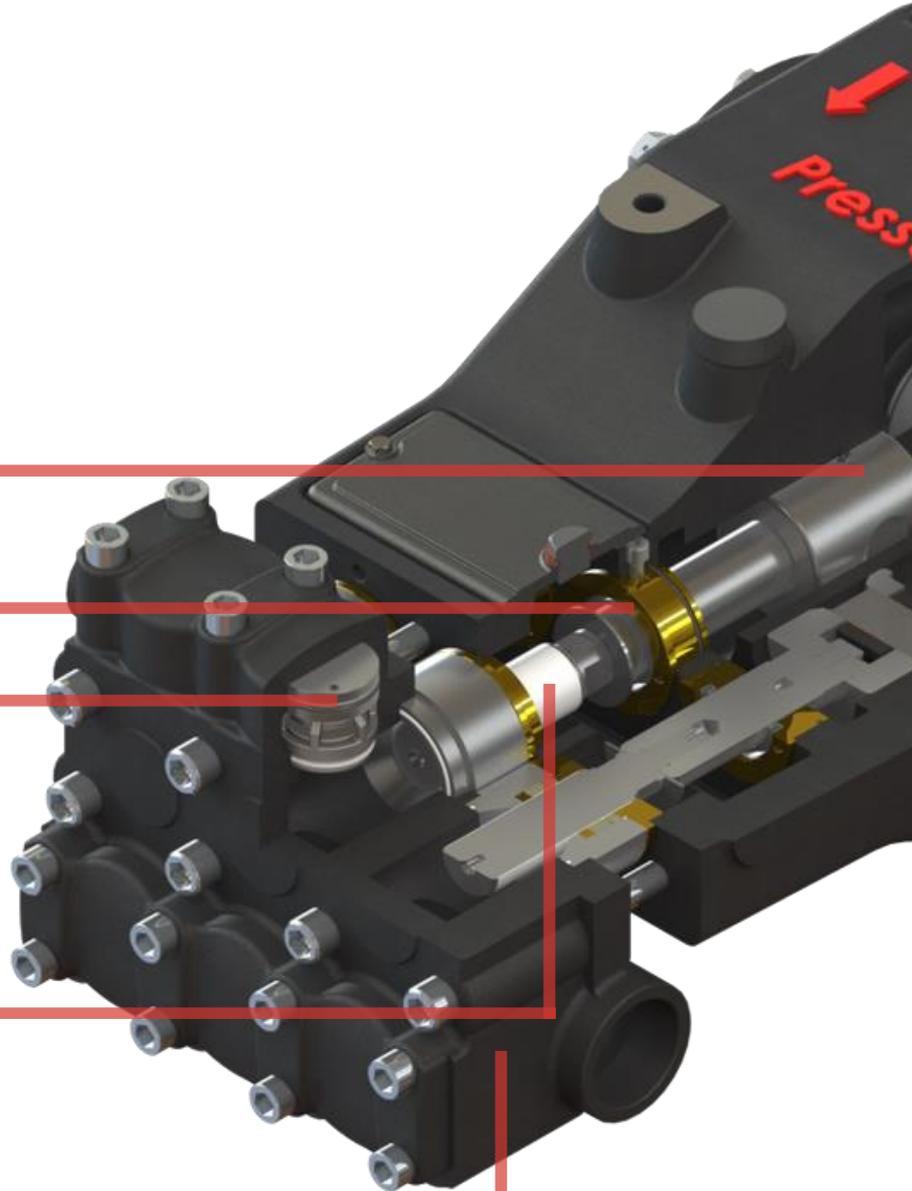
Stainless Steel: Valves made of stainless steel for hardened & anti corrosion hard surface coated for long life. High volumetric efficiency valves operate at 95% plus efficiency.

## PLUNGER CERAMIC COATED

Primarily composed of ceramic coated on SS. Surface roughness is extremely good i.e. <0.2 Ra.

## PUMP HEAD

SG Iron: Pump Head is Made of SG Iron Casting.



# CROSS SECTIONAL VIEW



## CRANK CASE (MAIN BODY)

Grey Iron: Main body in grey iron casting FG-260 with Honed surface finish bore.

## CONNECTING ROD

Alloy Steel: Helical gear is nitride hardened and precision ground for extremely long life & durability.

## BEARING

Oversized for maximum life and load disbursement. Self-alignment roller bearing enable it to handle 26% more load than other pumps.

## EXTERNAL HELICAL GEAR BOX

Alloy Steel: Helical gear is nitride hardened and precision ground for extremely long life & durability.

## CRANKSHAFT

Alloy Steel: Crankshaft is made of nitrated, hardened and precision ground for extremely long life and durability.

## SALIENT FEATURES

- Casting stainless steel pump head construction with high strength
- Designed to perform under heavy duty application
- Splash lubrication in the body
- Easy field maintenance
- Power input mounting can be equipped both side of the pump
- Pump design suitable for in-built gear and belt drive
- Suitable to connected with your mobile vehicle/truck for power supply

# HIGH QUALITY IMPORTED ACCESSORIES

## SCREEN FILTERS



SCREEN FILTERS USED FOR FILTER WATER

## WG & WD CLASSIC NOZZLE



CONNECTION:- 1" OR 1-1/4" NPT / BSPP INLET

FLOW RATE:- 303-454 LPM

PRESSURE:- 83-345 BAR

## WGR MAGNUM



CONNECTION:- 1" OR 1-1/4" NPT OR BSPP

PRESSURE:- 83-345 BAR

FLOW RATE:- 189-303 LPM

EXTENDED LIFE, REDUCED DOWNTIME

## WS CLASSIC NOZZLE



CONNECTION:- 1/2" NPT / BSPP INLET

FLOW RATE:- 30-76 LPM

PRESSURE:- 83-345 BAR

WHIP HOSE, JOINTED INLET AND DIRECT CONNECTION AVAILABLE

## WH CLASSIC NOZZLE



CONNECTION:- 1/2" OR 3/4" NPT OR BSPP INLET

FLOW RATE:- 38-189 LPM

PRESSURE:- 83-552 BAR

DESCALING HEAD AVAILABLE

## NOTE:

PRESSUREJET IMPORTS HIGH QUALITY SEWER JETTING PUMP ACCESSORIES. IT MAY TAKE 3 TO 4 MONTHS TO BE AVAILABLE IF YOU PLACE AN ORDER.



#### IMPORTANT NOTE:

OWING TO CONTINUOUS R & D, ANY TECHNICAL DETAILS & SPECIFICATIONS MENTIONED IN THIS CATALOG ARE LIABLE TO CHANGE ANYTIME. ALL RIGHTS RESERVED TO PRESSUREJET. FOR LATEST INFORMATION & MORE DETAILS, PLEASE VISIT OUR WEBSITE.

OUR WEBSITE IS FULLY INFORMATIVE, EXHAUSTIVE, AND COMMUNICATIVE. IT IS DESIGNED TO PROVIDE MAXIMUM INFORMATION IN THE MOST PRECISE FORM TO HELP OUR VALUED CUSTOMERS TO TAKE A QUICK AND RIGHT DECISION.

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**CALL US ON**

 **+91 93750 22359**

**WRITE TO US AT**

**sales@pressurejet.com**

**VISIT** 



**PRESSUREJET SYSTEMS PVT. LTD.**

**Plot No. 21-24, Panchratna Industrial Estate,  
Near Ode Village, Paldi Kankaj, Pirana  
AHMEDABAD – 382 427, GUJARAT, INDIA**

