PressureJet®

EXPLORE THE WATER POWER

HIGH PRESSURE
HYDRO TEST SYSTEM

1st CHOICE OF EPC CROSS COUNTRY HYDRO TEST CONTRACTORS

ABOUT US

- PressureJet Systems Pvt. Ltd., founded in 1996 by Mr. Vishal Shah, has been offering best quality products to clients for more than 25 years.
- PressureJet systems Pvt. Ltd is the India's Largest manufacturer of high pressure triplex plunger pump.
- Our top priority is to provide high-quality products at affordable pricing.
- We are offering widest range of triplex plunger pumps from 60 bar to 1400 bar pressure for various Applications.

- We offer complete end to end solutions for Hydro jetting, Hydro Blasting, High pressure cleaning, Hydro-static pressure testing, Descaling, Sewer jetting, Fire-fighting, misting and fogging, paint and rust removal.
- We have stringent quality controls across all manufacturing, assembling, and testing processes.
- PressureJet has Global Presence in more than 50 Countries worldwide.

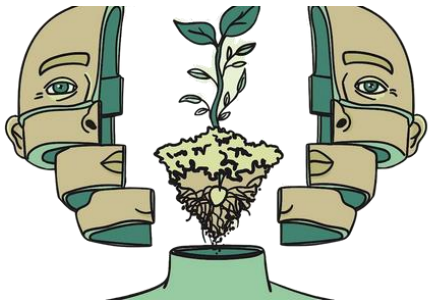
RECOGNITIONS

TÜV NORD

Hawk Champion
Distributor Since 2013

एन एस आई सी
NSIC
ISO 9001 : 2015

IDEOLOGY



- At PressureJet, **transparency** is a fundamental principle that we follow. We feel proud to inform our customers about our products, fair pricing, and ethical business practices. In this digital era, there are no secrets in technology, and we rely on organized management and procedures. We assure complete openness and honesty about the quality of our services to help our customers compare and choose the best option.

VISION

- "Our goal is to become a globally recognized brand for high pressure reciprocating plunger pumps and complete systems. As a professionally managed and governed Indian multinational, we aim to prioritize reliability, affordability, accessibility, and excellence in everything we do."
- **"Our objective is to be the market leader in the USA, Germany, Japan & China."**

MISSION

- Be the **most technologically competent** Engineering Company by Designing, Developing, and manufacturing products which delivers **Highest** Value for Money and Reliability.
- Be the **most innovative** marketer to create an ecosystem where every buyer/consumer can evaluate PressureJet products and services to develop full confidence and buy with minimal efforts.
- We will **grow our personnel** through competency-based, systematic learning programs, as meritocracy is at the foundation of the business.

BARE PUMP

LIQUID END

PLUNGER SEAL

- Special Teflon base seal
- Moulded with low pressure seal for plunger cooling systems

CRANK CASE

(FG 260 210-1993-GR)

- Crosshead bore, Single piece housing
- Ra value: 0.2 µm, G.D. & T : 10 µm.
- Testing: physical

STUFFING BOX

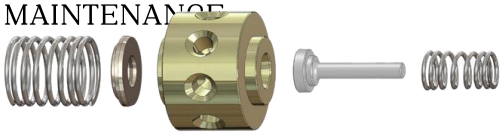
(MARTENSITIC PH STAINLESS STEEL)

- RA VALUE : 0.4 MM
- G.D. & T : 10 micron accuracy
- TESTING : CHEMICAL AND UT TESTED

COMPLETE VALVE ASSEMBLY

(IMPORTED STAINLESS STEEL)

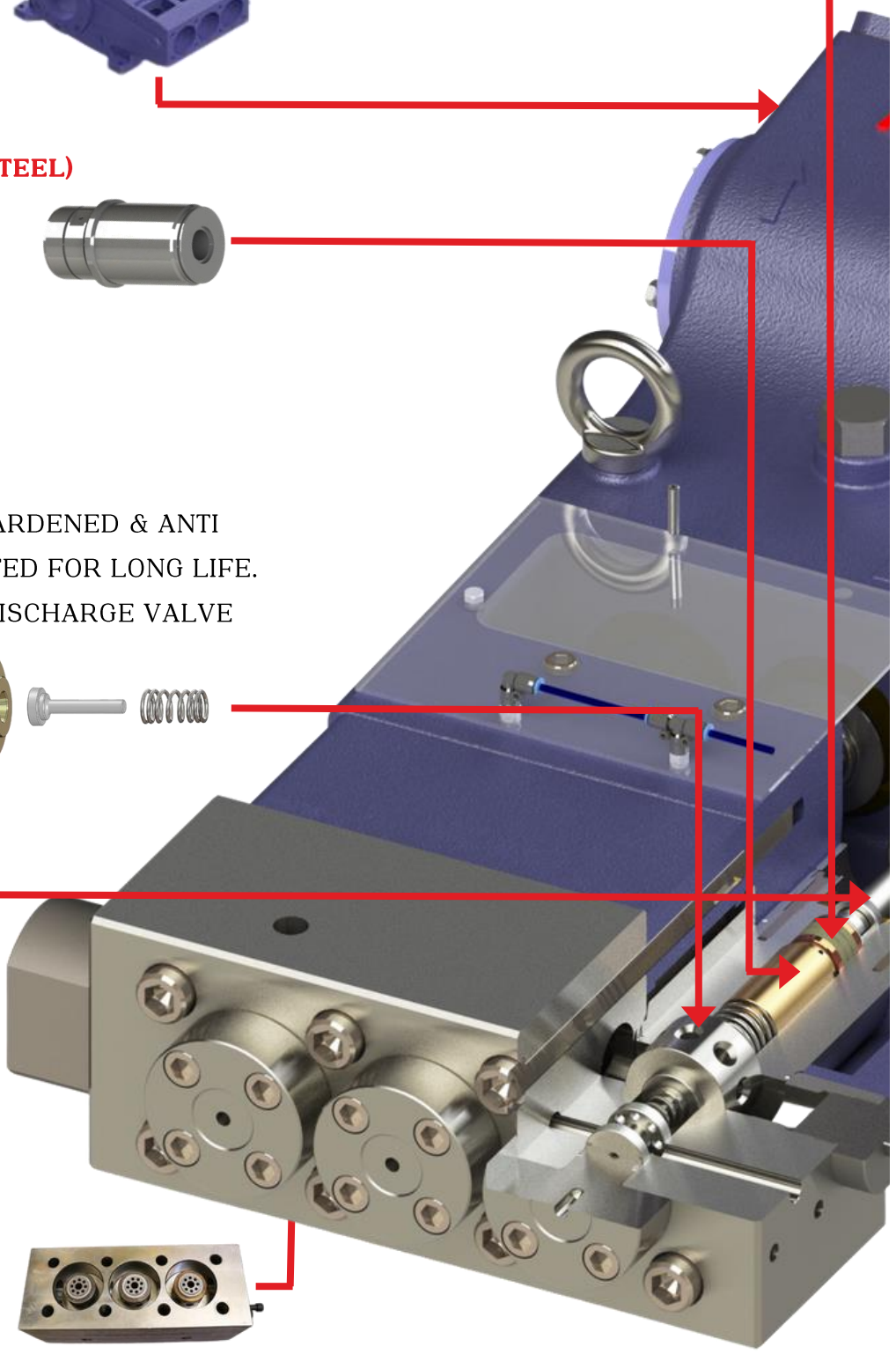
- VALVES MADE OF SPECIAL - HARDENED & ANTI CORROSION HARDSURFACE COATED FOR LONG LIFE.
- EASE OF ACCESS TO SUCTION-DISCHARGE VALVE ASSEMBLY FOR MAINTENANCE



PLUNGER

(SOLID CERAMIC)

- RA VALUE : 0.05 MM
- G.D & T : 10 MM



PUMP HEAD

(FORGED STAINLESS STEEL)

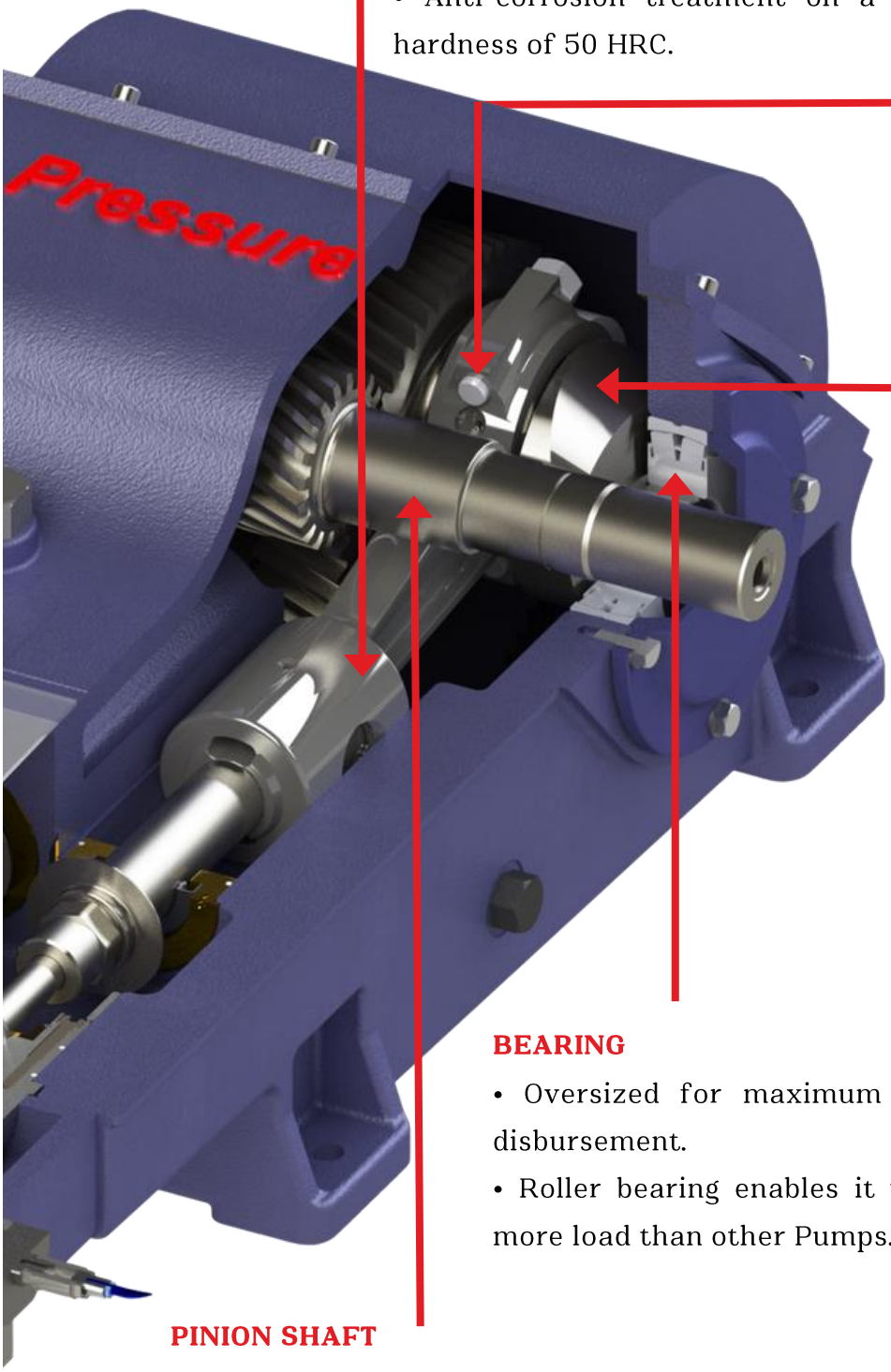
Testing: - chemical and UT test

BARE PUMP
POWER END

CROSSHEAD ASSEMBLY
(CAST DUCTILE IRON + STAINLESS STEEL)

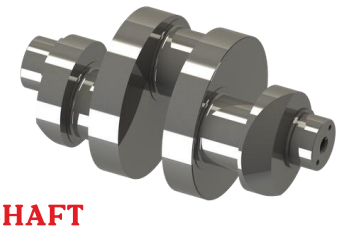
- Ra value: 0.2 µm
- G.D. & T : 10 µm
- Anti-corrosion treatment on a surface hardness of 50 HRC.

WHITE METAL BEARING



CONNECTING ROD
(FORGED ALLOY STEEL)

- G.D. & T : 10 µm.
- Heavy pin area construction, which added load strength.



CRANKSHAFT
(FORGED ALLOY STEEL)

- Ra value: 0.3 µm
- G.D. & T : 10 µm.
- Raw material testing: physical test, chemical test, ultrasonic test, hardness test, and M.P.T. Test.

BEARING

- Oversized for maximum life and load disbursement.
- Roller bearing enables it to handle 26% more load than other Pumps.

PINION SHAFT

- ALLOY STEEL DOUBLE HELICAL, NITRIDE HARDENED AND PRECISION GROUND FOR EXTREMELY LONG LIFE WITH LOW NOISE AND DURABILITY. ACCURACY CLASS DIN-6.

WHY PRESSUREJET?

WELL EQUIPPED DESIGNING TEAM

- Passionate and innovative In house designing team
- Equipped with licenced 3-D SOLIDWORKS software.
- which Increases accuracy reduces costs overall
- 16+ dedicated staff for development of new products

DUST-FREE ASSEMBLY - SAY NO TO BREAKDOWN

- Every pump is assembled under the monitored environment to ensuring the longer life of the pump.Dust free assembly will lead to minimal breakdown of pump in longer run.

- For ensuring proper working of pump we use, state-of-the-art computerized torque wrenches to tighten all bolts in your pump.

ADVANCED IT

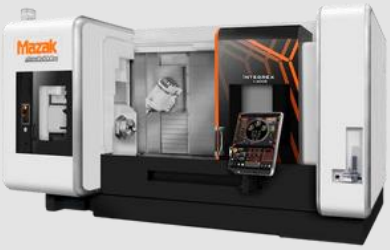
- PressureJet has Oracle EBS 12.1.3, to ensure best possible automation in accounting as well as procurement. 80% of pump spares have automatically generated purchase orders. Ultimately It reduces human intervention .

- PressureJet also has In house developed Datadoc software, which helps in smoothening business processes.

WHY PRESSUREJET?

QUALITY PRODUCTS MADE BY USING WORLD-CLASS MACHINERY

BMV60-TC24
Chakra



Mazak INTEGERX -
i200st 9 Axis Mill-Turn

KAFO BMC-3122
Double Column

• Thanks to these machinary, we can offer unmatchable 8-10 micron efficiency

Mazak HCN-
6800 HMC

Doosan LYNX 220
LSYC

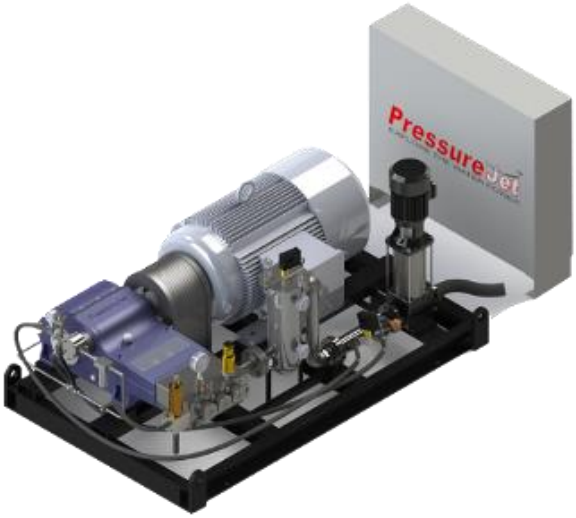
CMM
Machine

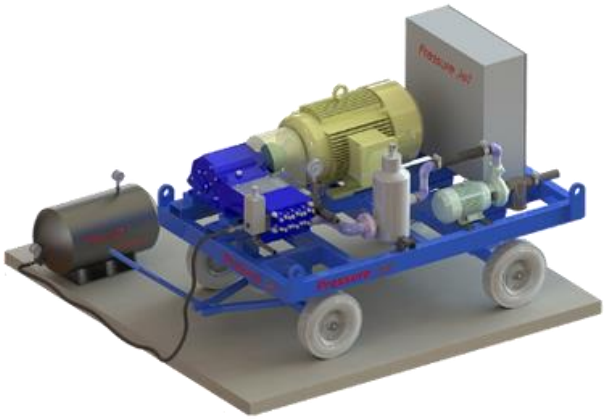
WHY HIGH TECH MACHINE IMPORTANT FOR ACCURACY ?

- Designed for precision and consistency in their operations.
- They use advanced sensors, software, and precision components to measure, cut, drill, or perform other actions accurately.
- With smaller tolerances indicating higher accuracy.
- In High pressure pumps, even small deviations can cause product defects or safety issues.
- Essential for ensuring products meet required standards of quality and performance.

WHY PRESSUREJET HYDRO TEST SYSTEMS

Diesel Engine Driven System

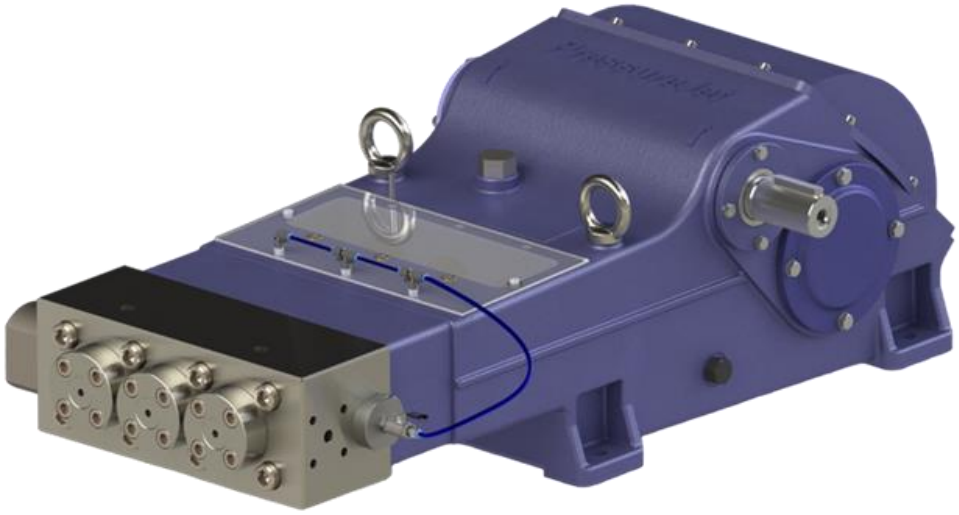




Electric Motor Driven System

- All Systems are guaranteed for **low power consumption**, optimal connecting load, interchangeability of spares, minimum and easy maintenance and easy to operate by even a layman
- Proven Design to work at remote locations
- Reputed make **Diesel Engines (Kirloskar / Greaves)** with service availability worldwide.
- Reputed make **Electric Motors**(50/60 Hz, Standard, Flameproof, Explosion Proof) **Make BBL, Crompton, ABB, Siemens**
- Provision to install clutch/ Digital Stroke counter / Chart Recorder as per requirement.
- **Safety interlocks** to safeguard the pump in case of dry run and low oil.
- Filling pump available on request.
- **Consultation is available** for a selection of Specifications of the pump depending on the application

KDD SERIES HYDRO TEST SYSTEMS



SALIENT FEATURES

- Field proven design.
- Forged S.S. pump head construction with high strength with Incorporated gear box.
- Pressure packing design with integrated cooling systems for long life of seal.
- In line suction / delivery Valve.
- Splash lubrication and Forced feed lubrication system. (For more details, please click here)
- Manufactured on state-of-the-art machinery.
- Available direct couple driven.

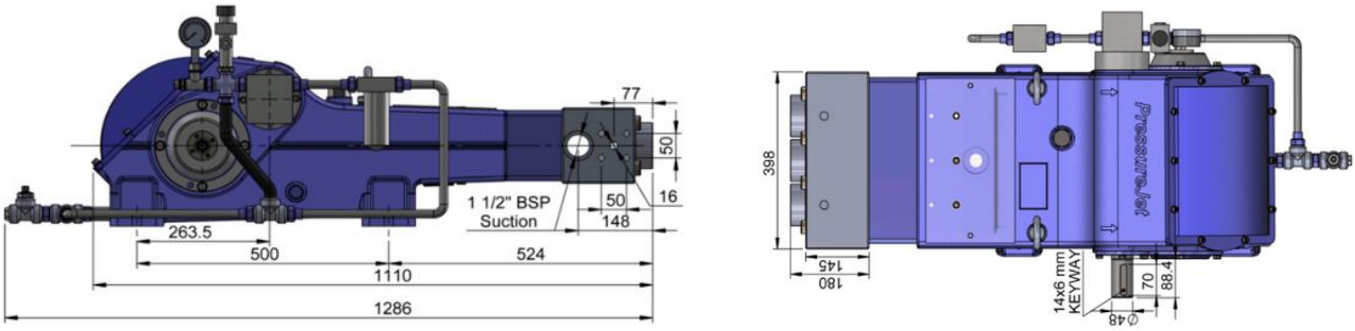
TECHNICAL SPECIFICATIONS

- Stroke length: 95 mm & 75 mm
- Max. plunger speed: 1.58 m/sec. @ 500 SPM
- Plunger force: 43 KN (4396 kgf)
- Inlet pressure min.-max.: 5-7 Bar
- Oil type & capacity: Gear oil 220, 12 Litres.
- Max. permissible oil temp.: Room temp.+ 50˚C
- Max. inlet water temp.: 5˚C to 43˚C
- Inlet connection: 1 ½" BSPF
- Outlet connection: ½" BSPF

KDD SERIES HYDRO TEST SYSTEMS

Model	SPM	Flow Rate in LPM (GPM)	Max. Rated Pressure in Bar (PSI)		
			100 HP	120 HP	150 HP
KDD-20-75	435	33 (8.72)	1400 (20305)	-	-
KDD-20-95	500	50 (13.21)	900 (13053)	1050 (15228)	1400 (20305)
KDD-22-75	435	40 (10.57)	1050 (15228)	-	-
KDD-22-95	500	60 (15.85)	750 (10877)	880 (12763)	1100 (15954)
KDD-24-95	500	70 (18.49)	650 (9427)	750 (10877)	950 (13778)
KDD-26-95	500	82 (21.66)	500 (7252)	650 (9427)	800 (11603)
KDD-28-95	500	95 (25.09)	450 (6527)	525 (7614)	660 (9572)
KDD-30-95	500	110 (29.06)	380 (5511)	460 (6672)	575 (8340)

Note: All flow is based on 100% volumetric efficiency. Actual flow will be ≥ 95%.



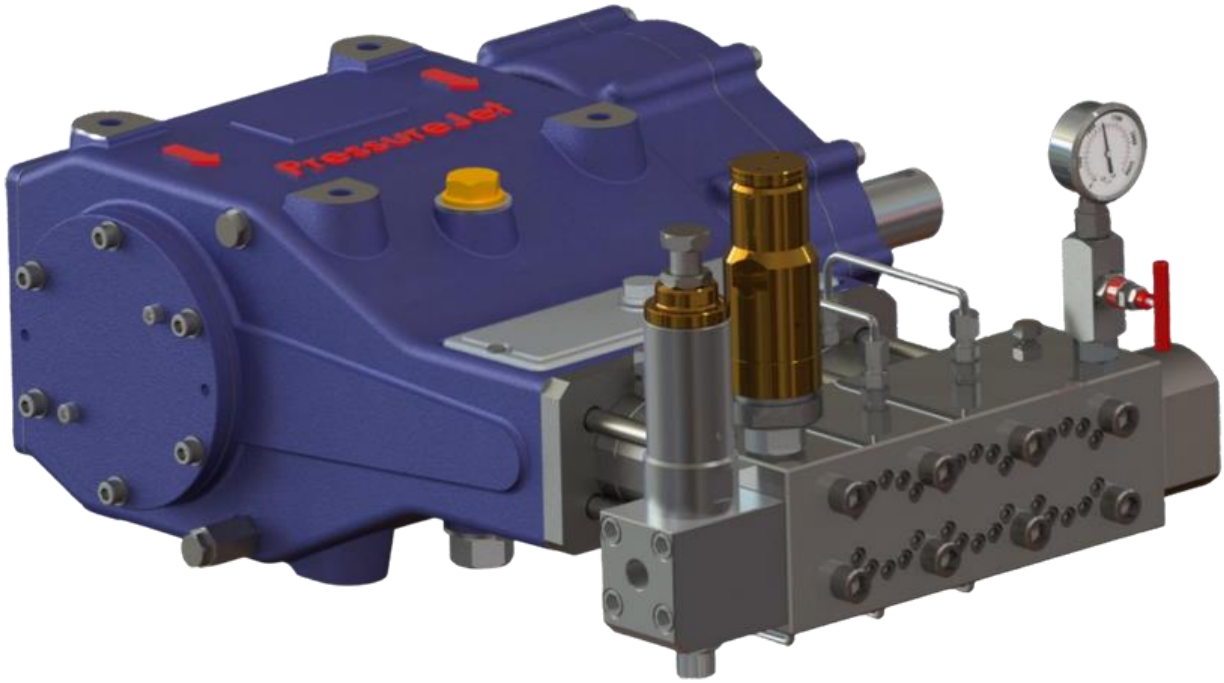
DIMENSIONS OF KDD SERIES BARE PUMP (IN MM)

PUMP SYSTEM

TROLLEY MOUNTED SYSTEM

FRAME MOUNTED SYSTEM

VC SERIES HYDRO TEST SYSTEMS



TECHNICAL SPECIFICATION

- Plunger Stroke : 57 mm
- Max. PlungerSpeed : 1.14 m/sec. @ 600 spm
- Plunger Force : 23.5 KN (2400 Kgf)
- Required Inlet Pressure : 2-3 bar
- Required Inlet Flowrate : BoosterPump flow requiremin. 2 times of ratedflow rate
- Lubrication Oil Type : SAE – 220
- Lubrication Oil Capacity : 12 liter
- Max. LiquidTemp. : 50 ˚C (122 ˚F)
- Discharge Connection : 3/4” BSPF
- Suction Connection : 1” BSPF
- Bare-Shaft Pump Weight : 235 Kg. Approx.
- Bare-Shaft Pump Overall Dim. (LxBxH) : 814 x 602 x 264 mm

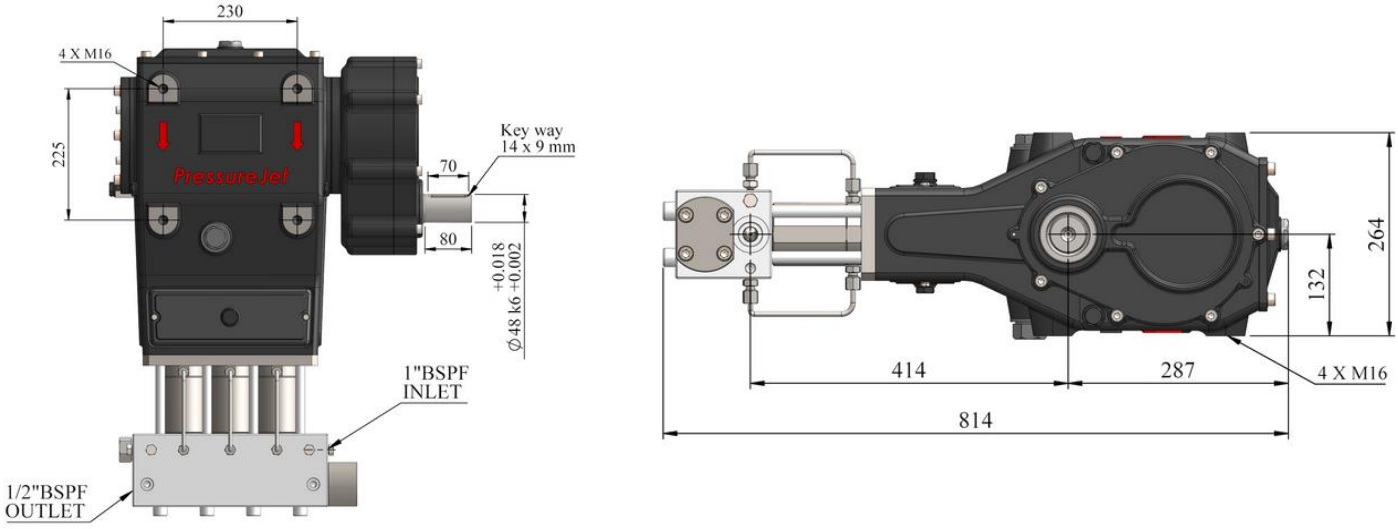
SALIENT FEATURES

- Field proven design.
- Rigorously Subjected to full load testing.
- Light in weight & Heavy duty construction with Heavy duty model.
- Splash lubrication 7 easy Maintenance.
- Both side mounting available.
- Pressure packing design with integrated cooling system for long life of seal.
- Forged Stainless steel Pump Head construction with high strength.
- In line Suction – Discharge Valve.

VC SERIES HYDRO TEST SYSTEMS

MODEL	SPM	INPUT RPM	FLOW RATE IN LPM (GPM)	MAX. RATED PRESSURE IN BAR (PSI)	
				* 50 HP	* 60 HP
VC-57-14	600	1500/1800	15 (3.96)	1300 (18850)	1400 (20300)
VC-57-16	600	1500/1800	22 (5.81)	975 (14150)	1130 (16400)
VC-57-18	600	1500/1800	28 (7.4)	750 (11900)	900 (13050)
VC-57-20	600	1500/1800	35 (9.25)	600 (8700)	725 (10500)

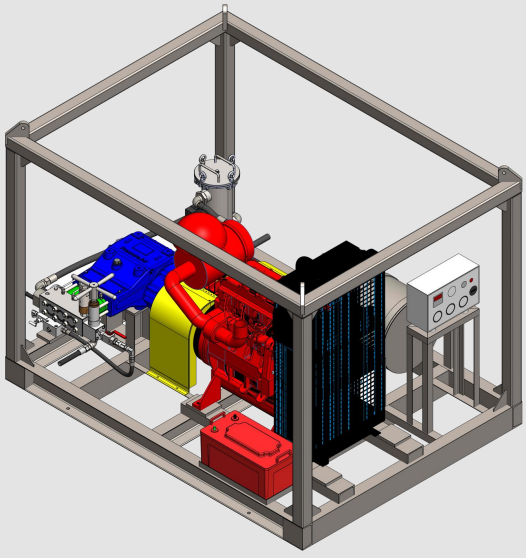
***HP shown is theoretical hp.**
Required engine HP will be higher approx. 20%.



DIMENSIONS OF VC SERIES BARE PUMP (IN MM)

PUMP SYSTEM

TROLLEY MOUNTED SYSTEM



FRAME MOUNTED SYSTEM

EAA SERIES HYDRO TEST SYSTEMS

TECHNICAL SPECIFICATION

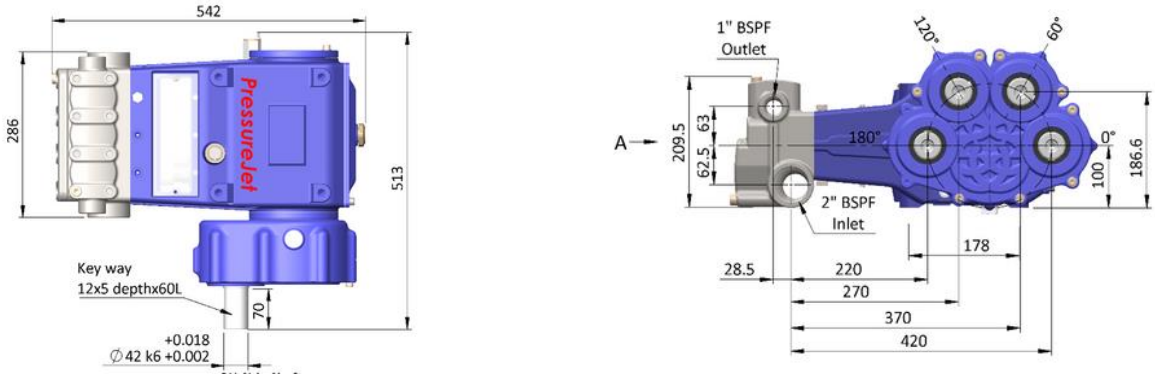
- Plunger stroke: 40 mm
- Max. Plunger speed: 1.31 m/s @ 985 SPM
- Plunger force: 15.12 kN (1541 kgf)
- Required inlet pressure: 2-3 bar
- Required inlet flow rate: Booster pump flow require min. 2 times of rated flow rate
- Oil type: SAE – 220
- Oil capacity: 5 litters
- Max. Liquid temp. : 60˚c
- Discharge connection: 1" BSPF
- Suction connection: 2" BSPF
- Weight: 110 kg. Approx.
- Overall dim. (L*b*h): 542 (L) * 513 (B) * 200 (H) mm

SALIENT FEATURES

- Stainless Steel Pump Head for long life and corrosion resistance
- Designed to perform under heavy-duty applications & able to provide intermediate-duty performance options.
- Better weight optimization
- Self-splash lubrication system.
- Power input mounting can be equipped on both sides of the pump.
- Features arrangement for input shaft location at several degrees for enhanced mounting flexibilities.
- Compatible with inbuilt gear, belt & hydraulic motor-driven system mechanism for power supply.
- Integrated cooling system

EAA SERIES HYDRO TEST SYSTEMS

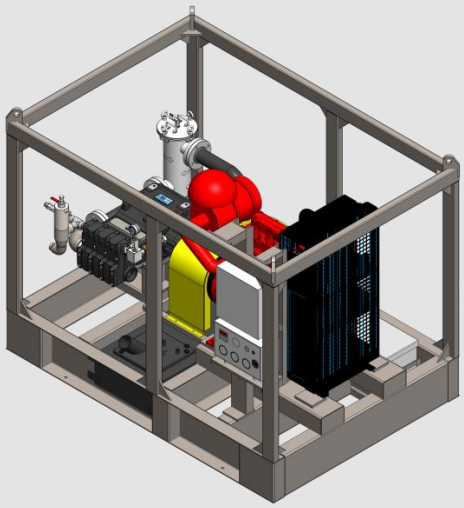
Model	SPM	Input rpm	Flow rate in LPM (GPM)	Pressure in bar (psi)			
				* 20 HP	* 25 HP	* 30 HP	* 40 HP
EAA-40-30	825	1500/1800	70 (19)	110 (1600)	140 (2000)	165 (2400)	200 (2900)
	985	1500/1800	84 (22)	90 (1300)	115 (1700)	140 (2050)	185 (2700)
EAA-40-32	985	1500/1800	95 (25)	- -	- -	- -	160 (2300)
EAA-40-36	825	1500/1800	100 (26)	80 (1150)	100 (1450)	120 (1750)	140 (2050)
	985	1500/1800	120 (32)	65 (950)	80 (1150)	95 (1400)	130 (1900)
EAA-40-40	985	1500/1800	148 (39)	- -	- -	80 (1150)	105 (1500)
EAA-40-45	690	1500	130 (34)	60 (900)	70 (1000)	85 (1250)	- -
	825	1500/1800	157 (42)	50 (700)	60 (900)	75 (1100)	100 (1450)
	985	1500/1800	188 (50)	40 (580)	50 (700)	60 (900)	80 (1150)



DIMENSIONS OF EAA SERIES BARE PUMP (IN MM)

PUMP SYSTEM

TROLLEY MOUNTED SYSTEM



FRAME MOUNTED SYSTEM

EM SERIES HYDRO TEST SYSTEMS

TECHNICAL SPECIFICATION

- Plunger Stroke: 70 mm
- Max. plunger speed: 1.86 m/s @ 800 spm
- Plunger force: 24.6 kN (2508 kgf)
- Required Inlet Pressure min. /max.: 2-3 bar
- Required Inlet Flowrate min/max : Booster Pump flow requires min. 2 times of rated flow rate
- Oil Grade: Gear Oil 220
- Oil Capacity: 12 litres
- Max. Liquid Temp. : 60˚C (122˚F)
- Discharge Connection: 1" BSPF
- Suction Connection: 3" BSPF
- Bare-Shaft pump weight: 430 kg. Approx.
- Bare-Shaft pump Overall Dim. (LxBxH) : 760 x 586 x 306 mm

SALIENT FEATURES

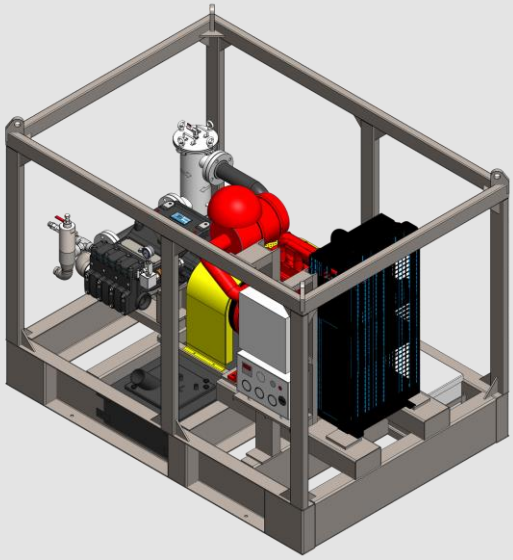
- Spheroidal cast iron pump head for a better life.
- Designed to perform under heavy-duty applications & able to provide intermediate-duty performance options.
- Better weight optimization
- Self-splash lubrication system
- Power input mounting can be equipped on both sides of the pump.
- Features arrangement for input shaft location at several degrees for enhanced mounting flexibilities.
- Compatible with inbuilt gear, belt & hydraulic motor-driven system mechanism for power supply.
- Integrated cooling system

EM SERIES HYDRO TEST SYSTEMS

Speed			1500 RPM (50 Hz)					1800 RPM (60 Hz)		
Gear Ratio			1.875: 1			2.238: 1		2.238: 1		
SPM			800			670		800		
Model	Plunger Diameter (mm)	Rating	For Intermittent Duty Applications							
EM-70-45	45	Flow Rate (LPM)	267			223		267		
		Pressure (BAR)	155	145	105	147	110	155	145	105
		Power (HP)	109	100	75	100	75	109	100	75
EM-70-50	50	Flow Rate (LPM)	330			276		330		
		Pressure (BAR)	125	115	85	120	100	125	115	85
		Power(HP)	109	100	75	100	75	109	100	75
EM-70-55	55	Flow Rate (LPM)	399			334		399		
		Pressure (BAR)	104	95	71	112	85	104	95	71
		Power(HP)	109	100	75	100	75	109	100	75

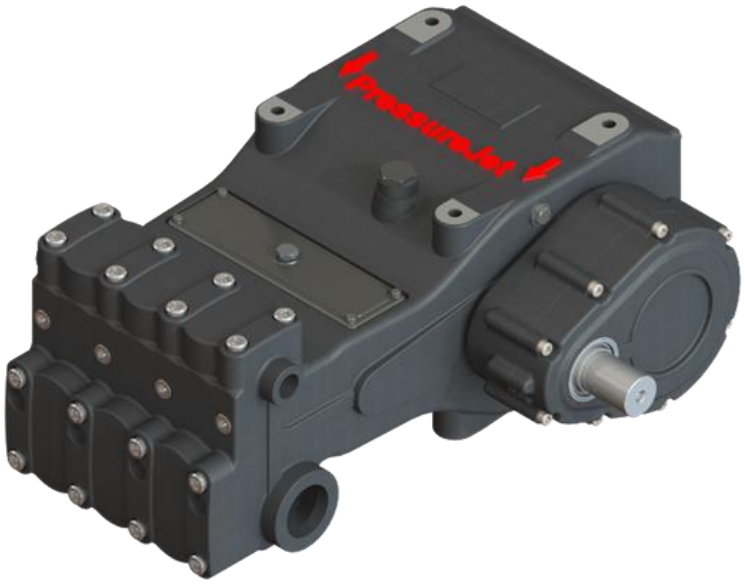
PUMP SYSTEM

TROLLEY MOUNTED SYSTEM



FRAME MOUNTED SYSTEM

EMA SERIES HYDRO TEST SYSTEMS



TECHNICAL SPECIFICATION

- Plunger stroke: 70 mm
- Max. Plunger speed: 1.86 m/s @ 600 SPM
- Plunger force: 24.6 kN (2508 kgf)
- Required inlet pressure: 2-3 bar
- Required inlet flow rate: Booster pump flow require min. 2 times of rated flow rate
- Oil type: SAE – 220
- Oil capacity: 10 litters
- Max. Liquid temp. : 60˚c
- Discharge connection: 1" BSPF
- Suction connection: 3" BSPF
- Weight: 280 kg. Approx.
- Overall dim. (L*b*h): 760 (L) * 586 (B) * 306 (H) mm

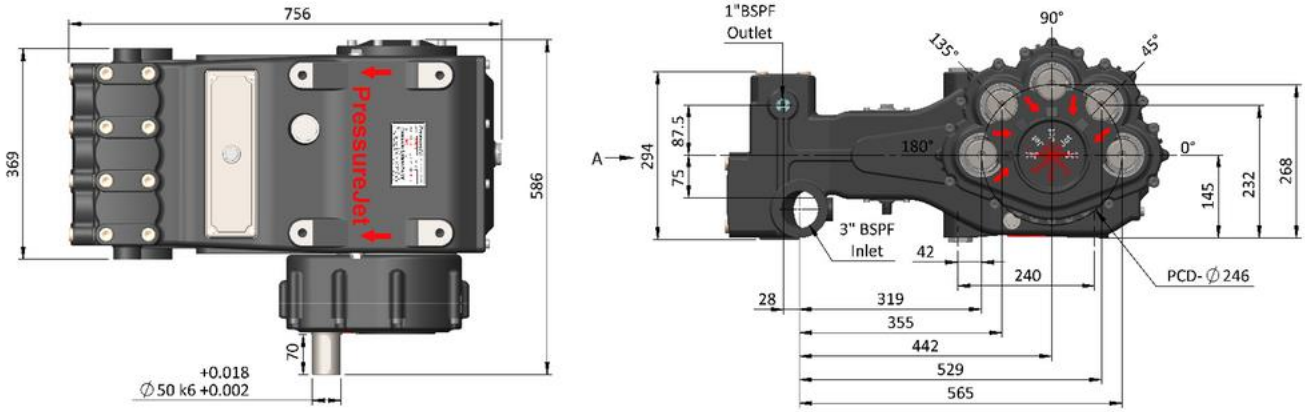
SALIENT FEATURES

- Stainless Steel Pump Head for long life and corrosion resistance
- Designed to perform under heavy-duty applications & able to provide intermediate-duty performance options.
- Better weight optimization
- Self-splash lubrication system.
- Power input mounting can be equipped on both sides of the pump.
- Features arrangement for input shaft location at several degrees for enhanced mounting flexibilities.
- Compatible with inbuilt gear, belt & hydraulic motor-driven system mechanism for power supply.
- Integrated cooling system

EMA SERIES HYDRO TEST SYSTEMS

Model	SPM	Input rpm	Flow rate in LPM (GPM)	Pressure in bar (psi)		
				* 75 HP	* 100 HP	** 109 HP
EMA-70-45	670	1500	223 (58.9)	125 (1800)	155 (2250)	-
	800	1500/1800	267 (70.5)	105 (1550)	145 (2100)	155 (2250)
EMA-70-50	800	1500/1800	330 (87)	85 (1250)	115 (1700)	125 (1800)
EMA-70-55	800	1500/1800	399 (105.4)	70 (1050)	95 (1400)	105 (1500)

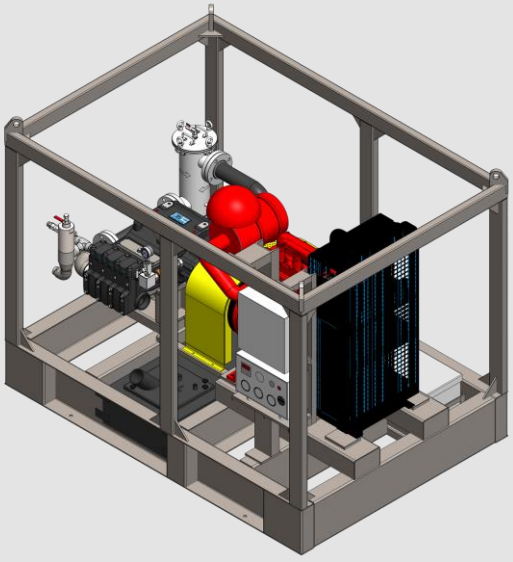
***HP shown is theoretical hp.**
Required engine HP will be higher approx. 20%.



DIMENSIONS OF EMA SERIES BARE PUMP (IN MM)

PUMP SYSTEM

TROLLEY MOUNTED SYSTEM



FRAME MOUNTED SYSTEM

EMB SERIES HYDRO TEST SYSTEMS

TECHNICAL SPECIFICATION

- Plunger stroke: 70 mm
- Max. Plunger speed: 1.86 m/s @ 600 SPM
- Plunger force: 24.6 kN (2508 kgf)
- Required inlet pressure: 2-3 bar
- Required inlet flow rate: Booster pump flow require min. 2 times of rated flow rate
- Oil type: SAE – 220
- Oil capacity: 10 litters
- Max. Liquid temp.: 60˚c
- Discharge connection: 1" BSPF
- Suction connection: 2" BSPF
- Weight: 275 kg. Approx.
- Overall dim. (L*b*h): 748 (L) * 610 (B) * 323 (H) mm

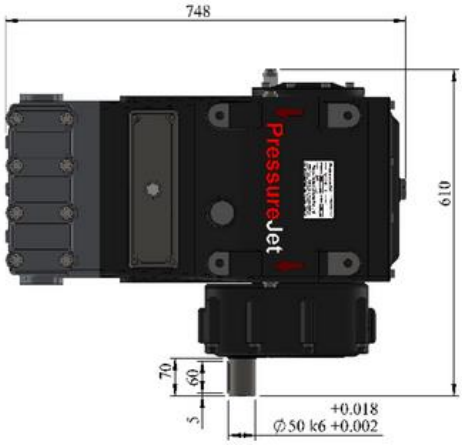
SALIENT FEATURES

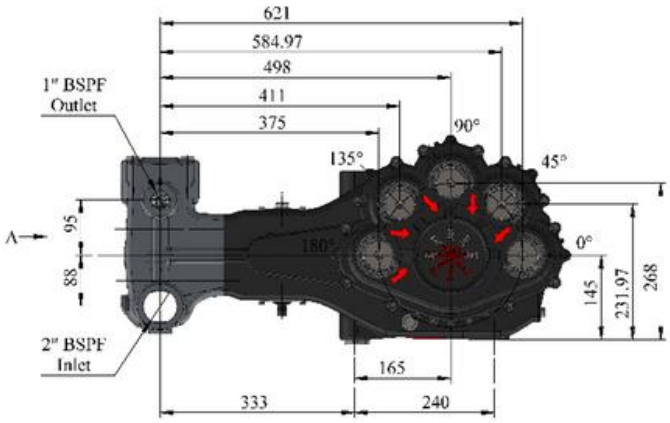
- Stainless Steel Pump Head for long life and corrosion resistance
- Designed to perform under heavy-duty applications & able to provide intermediate-duty performance options.
- Better weight optimization
- Self-splash lubrication system.
- Power input mounting can be equipped on both sides of the pump.
- Features arrangement for input shaft location at several degrees for enhanced mounting flexibilities.
- Compatible with inbuilt gear, belt & hydraulic motor-driven system mechanism for power supply.
- Integrated cooling system

EMB SERIES HYDRO TEST SYSTEMS

Model	SPM	Input rpm	Flow rate in LPM (GPM)	Pressure in bar (psi)	
				* 75 HP	* 100 HP
EMB-70-32	670	1500	113 (30)	250 (3650)	-
	800	1500/1800	135 (36)	210 (3050)	285 (4150)
EMB-70-36	800	1500/1800	171 (45)	170 (2500)	220 (3200)
EMB-70-40	800	1500/1800	211 (56)	135 (2000)	180 (2600)

***HP shown is theoretical hp.**
Required engine HP will be higher approx. 20%.

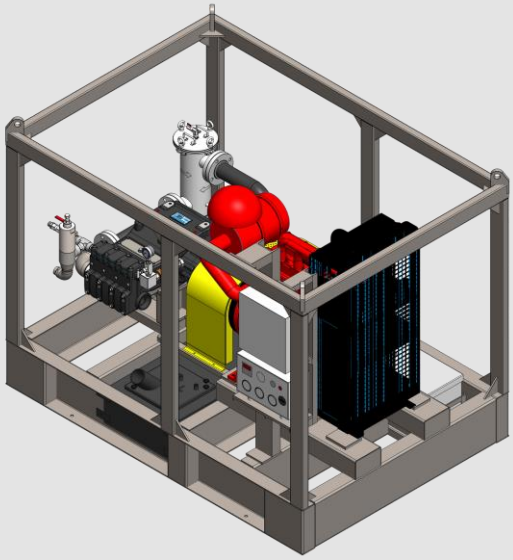




DIMENSIONS OF EMB SERIES BARE PUMP (IN MM)

PUMP SYSTEM

TROLLEY MOUNTED SYSTEM



FRAME MOUNTED SYSTEM

EMC SERIES HYDRO TEST SYSTEMS

TECHNICAL SPECIFICATION

- Plunger stroke: 70 mm
- Max. Plunger speed: 1.86 m/s @ 600 SPM
- Plunger force: 21.12 kN (2154.04 kgf)
- Required inlet pressure: 2-3 bar
- Required inlet flow rate: Booster pump flow require min. 2 times of rated flow rate
- Oil type: SAE – 220
- Oil Capacity: 10 litters
- Max. Liquid temp. : 60˚c
- Discharge connection: Ø 15 mm
- Suction connection: 1-1/2" BSPF
- Weight: 265 kg. Approx.
- Overall dim. (L*b*h): 858 (L) * 610 (B) * 298 (H) mm

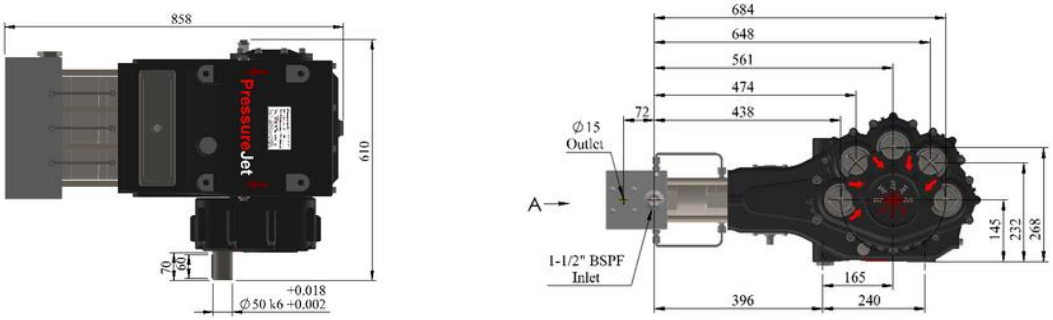
SALIENT FEATURES

- Stainless Steel Pump Head for long life and corrosion resistance
- Designed to perform under heavy-duty applications & able to provide intermediate-duty performance options.
- Better weight optimization
- Self-splash lubrication system.
- Power input mounting can be equipped on both sides of the pump.
- Features arrangement for input shaft location at several degrees for enhanced mounting flexibilities.
- Compatible with inbuilt gear, belt & hydraulic motor-driven system mechanism for power supply.
- Integrated cooling system

EMC SERIES HYDRO TEST SYSTEMS

Model	SPM	Input rpm	Flow rate in LPM (GPM)	Pressure in bar (psi)	
				* 75 HP	* 100 HP
EMC-70-14	670	1500	21 (5.5)	1400 (20300)	- -
	800	1500/1800	26 (7)	1100 (15950)	1400 (20300)
EMC-70-16	670	1500	28 (7.3)	1050 (15250)	1365 (19800)
	800	1500/1800	34 (9)	850 (12500)	1150 (16700)
EMC-70-18	670	1500	36 (9.5)	800 (11600)	1050 (15250)
	800	1500/1800	44 (11)	670 (9700)	900 (13050)
EMC-70-20	800	1500/1800	53 (14)	550 (8000)	750 (10900)
EMC-70-22	800	1500/1800	64 (17)	450 (6550)	600 (8700)
EMC-70-24	800	1500/1800	76 (20)	380 (5500)	500 (7250)

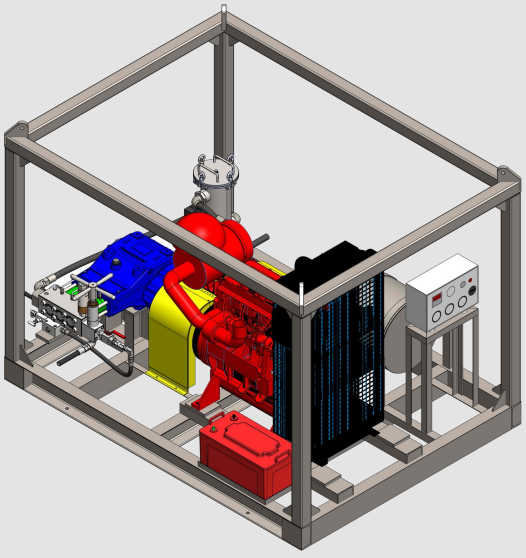
***HP shown is theoretical hp.**
Required engine HP will be higher approx. 20%.



DIMENSIONS OF EMC SERIES BARE PUMP (IN MM)

PUMP SYSTEM

TROLLEY MOUNTED SYSTEM



FRAME MOUNTED SYSTEM

ES SERIES HYDRO TEST SYSTEMS

TECHNICAL SPECIFICATION

- Plunger stroke: 72 mm
- Max. Plunger speed: 1.62 m/s @ 675 SPM
- Plunger force: 47.492 kN (4842.83 kgf)
- Required inlet pressure: 2-3 bar
- Required inlet flow rate: Booster pump flow require min. 2 times of rated flow rate
- Oil type: SAE – 220
- Oil Capacity: 12 litters
- Max. Liquid temp. : 60˚c
- Discharge connection: 1-1/2" BSPF
- Suction connection: 3" BSPF
- Weight: 430 kg. Approx.
- Overall dim. (L*b*h): 840 (L) * 748 (B) * 360 (H) mm

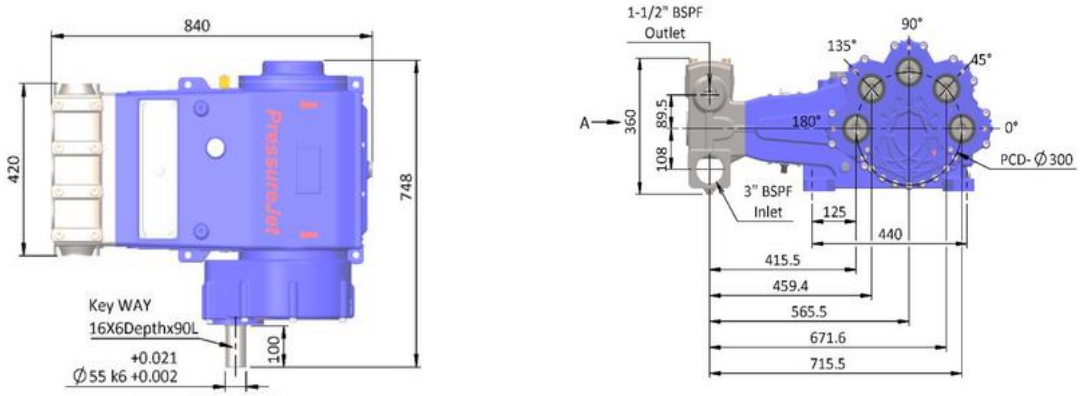
SALIENT FEATURES

- Stainless Steel Pump Head for long life and corrosion resistance
- Designed to perform under heavy-duty applications & able to provide intermediate-duty performance options.
- Better weight optimization
- Self-splash lubrication system.
- Power input mounting can be equipped on both sides of the pump.
- Features arrangement for input shaft location at several degrees for enhanced mounting flexibilities.
- Compatible with inbuilt gear, belt & hydraulic motor-driven system mechanism for power supply.
- Integrated cooling system

ES SERIES HYDRO TEST SYSTEMS

MODEL	SPM	Input Rpm	FLOW RATE	PRESSURE IN BAR (POWER IN HP*)		
ES-72-55	565	1500	290	200 (150)	165 (120)	130 (100)
	675	1500/1800	345	200 (180)	165 (150)	130 (120)
ES-72-60	565	1500	345	170 (150)	140 (120)	110 (100)
	675	1500/1800	412	170 (180)	140 (150)	110 (120)
ES-72-65	565	1500	405	140 (150)	110 (120)	95 (100)
	675	1500/1800	484	150 (180)	120 (150)	

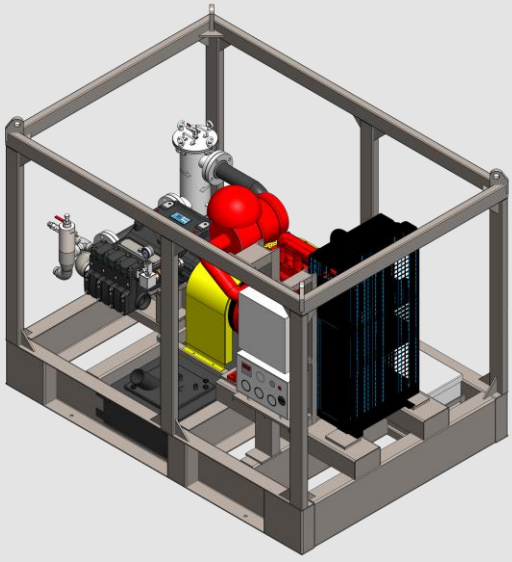
***HP shown is theoretical hp.**
Required engine HP will be higher approx. 20%.



DIMENSIONS OF ES SERIES BARE PUMP (IN MM)

PUMP SYSTEM

TROLLEY MOUNTED SYSTEM



FRAME MOUNTED SYSTEM

ESA SERIES HYDRO TEST SYSTEMS

TECHNICAL SPECIFICATION

- Plunger stroke: 72 mm
- Max. Plunger speed: 1.62 m/s @ 675 SPM
- Plunger force: 49.268 kN (4842.83 kgf)
- Required inlet pressure: 2-3 bar
- Required inlet flow rate: Booster pump flow require min. 2 times of rated flow rate
- Oil type: SAE – 220
- Oil Capacity: 10 litters
- Max. Liquid temp. : 60˚c
- Discharge connection: 1-1/2" BSPF
- Suction connection: 3" BSPF
- Weight: 430 kg. Approx.
- Overall dim. (L*b*h): 840 (L) * 748 (B) * 360 (H) mm

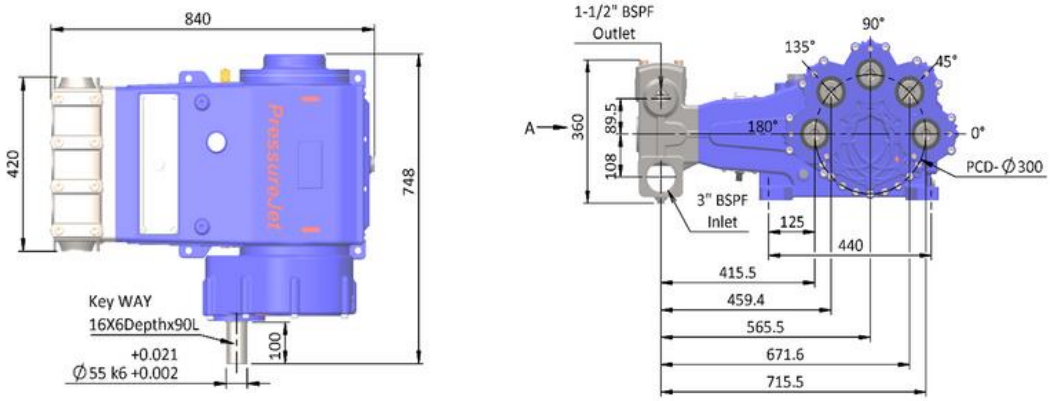
SALIENT FEATURES

- Stainless Steel Pump Head for long life and corrosion resistance
- Designed to perform under heavy-duty applications & able to provide intermediate-duty performance options.
- Better weight optimization
- Self-splash lubrication system.
- Power input mounting can be equipped on both sides of the pump.
- Features arrangement for input shaft location at several degrees for enhanced mounting flexibilities.
- Compatible with inbuilt gear, belt & hydraulic motor-driven system mechanism for power supply.
- Integrated cooling system

ESA SERIES HYDRO TEST SYSTEMS

Model	SPM	Input rpm	Flow rate in LPM (GPM)	Pressure in bar (psi)			
				* 100 HP	* 120 HP	* 150 HP	* 180 HP
ESA-72-55	565	1500	290 (77)	130 (1900)	165 (2400)	200 (2900)	- -
	675	1500/1800	345 (91)	110 (1600)	130 (1900)	165 (2400)	200 (2900)
ESA-72-60	675	1500/1800	412 (108)	- -	110 (1600)	140 (2050)	165 (2400)
ESA-72-65	675	1500/1800	485 (128)	- -	95 (1400)	115 (1700)	140 (2050)

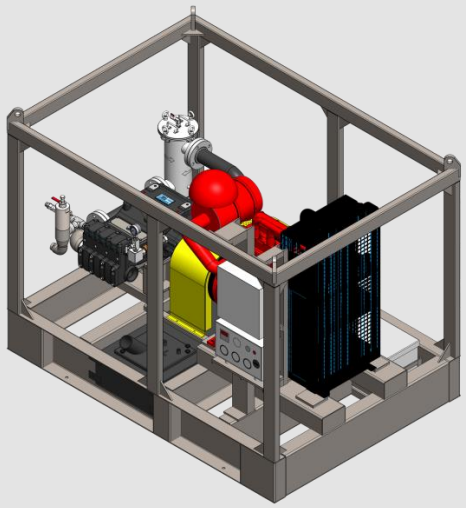
***HP shown is theoretical hp.**
Required engine HP will be higher approx. 20%.



DIMENSIONS OF ESA SERIES BARE PUMP (IN MM)

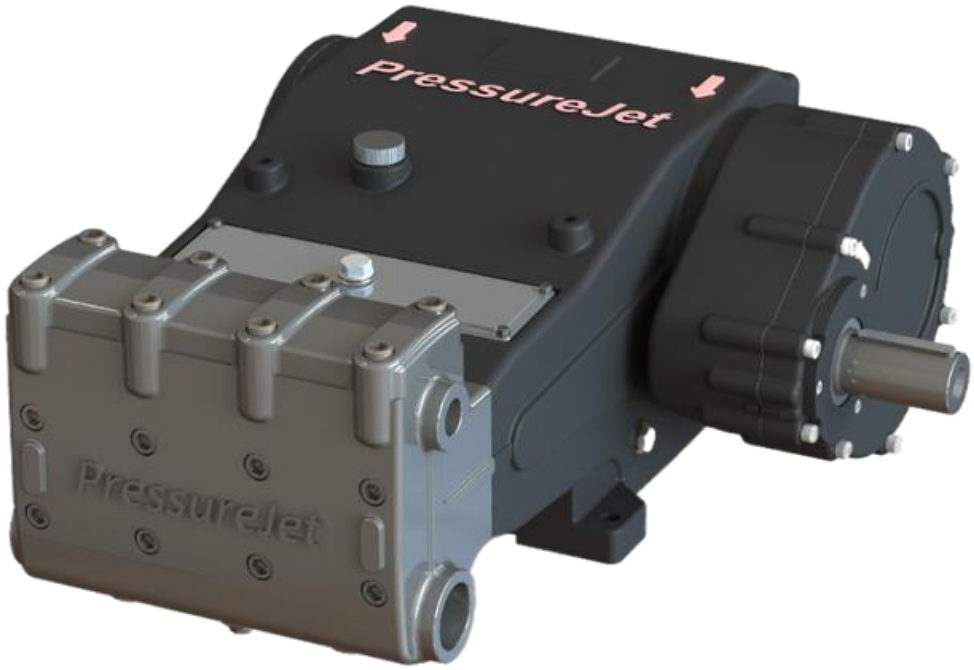
PUMP SYSTEM

TROLLEY MOUNTED SYSTEM



FRAME MOUNTED SYSTEM

ESB SERIES HYDRO TEST SYSTEMS



TECHNICAL SPECIFICATION

- Plunger stroke: 72 mm
- Max. Plunger speed: 1.62 m/s @ 675 SPM
- Plunger force: 49.268 kN (4842.83 kgf)
- Required inlet pressure: 2-3 bar
- Required inlet flow rate: Booster pump flow require min. 2 times of rated flow rate
- Oil type: SAE – 220
- Oil Capacity: 10 litters
- Max. Liquid temp. : 60˚c
- Discharge connection: 1" BSPF
- Suction connection: 2" BSPF
- Weight: 430 kg. Approx.
- Overall dim. (L*b*h): 846 (L) * 748 (B) * 335 (H) mm

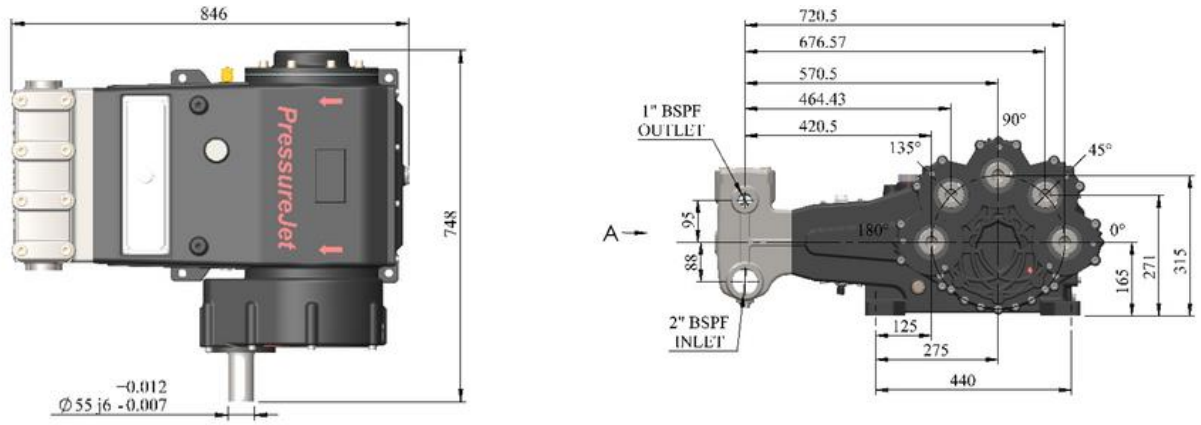
SALIENT FEATURES

- Stainless Steel Pump Head for long life and corrosion resistance
- Designed to perform under heavy-duty applications & able to provide intermediate-duty performance options.
- Better weight optimization
- Self-splash lubrication system.
- Power input mounting can be equipped on both sides of the pump.
- Features arrangement for input shaft location at several degrees for enhanced mounting flexibilities.
- Compatible with inbuilt gear, belt & hydraulic motor-driven system mechanism for power supply.
- Integrated cooling system

ESB SERIES HYDRO TEST SYSTEMS

Model	SPM	Input rpm	Flow rate in LPM (GPM)	Pressure in bar (psi)			
				* 100 HP	* 120 HP	* 150 HP	* 180 HP
ESB-72-40	565	1500	153 (40.4)	250 (3650)	300 (4350)	375 (5450)	400 (5800)
	675	1500/1800	182 (48.1)	- -	250 (3650)	310 (4500)	400 (5800)
ESB-72-45	565	1500	195 (51.5)	200 (2900)	230 (3350)	290 (4200)	- -
	675	1500/1800	230 (60.8)	- -	200 (2900)	250 (3650)	300 (4350)
ESB-72-50	565	1500	240 (63.4)	160 (2300)	190 (2750)	240 (3500)	- -
	675	1500/1800	286 (76)	- -	160 (2300)	200 (2900)	250 (3650)

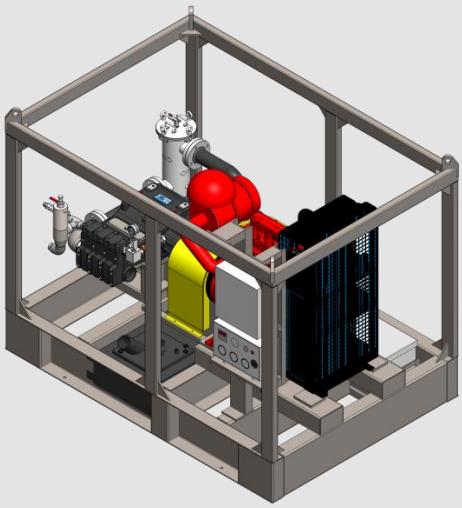
***HP shown is theoretical hp.**
Required engine HP will be higher approx. 20%.



DIMENSIONS OF ESB SERIES BARE PUMP (IN MM)

PUMP SYSTEM

TROLLEY MOUNTED SYSTEM



FRAME MOUNTED SYSTEM

HYDRO TEST ACCESSORIES

PRESSURE REGULATING VALVE

- Pressure Regulating Valve Regulates output pressure as required
- On the standby mode PRV Bypasses excess water
- Pressure range up to 1400 bar - 20,000 PSI.
- Flow rate range up to 450 LPM – 118.87 GPM.
- We have in house designed Pressure Regulating valve which built for ultra high pressure bare pump

SAFETY VALVE

- It prevents major accidents from occurring in case of problem arising out of high pressure built up in line.
- Ensures safety for operator and Provides over-pressure protection
- Intentionally designed weak part to avoid major loss
- Pressure range up to 1400 bar - 20,000 PSI.
- Flow rate range up to 450 LPM – 118.87 GPM.

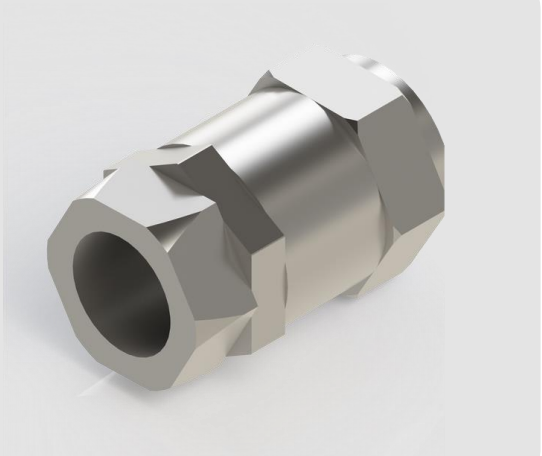
PRESSURE GAUGE

- Available in various sizes as per requirement.
- Stainless steel case filled with glycerin to offer protection against harsh environments.
- Approx. 2 times pump operating pressure
- Easy-to-read dial
- With needle valve

HYDRO TEST ACCESSORIES

BALL VALVE

- Ball Valve is attached to the outlet point of the liquid end of the pump.
- Its function is to control the flow of discharge from the pump.
- For the safety of man and machine, the ball valve should have a rated pressure of 1.5x the rated pressure of the pump.

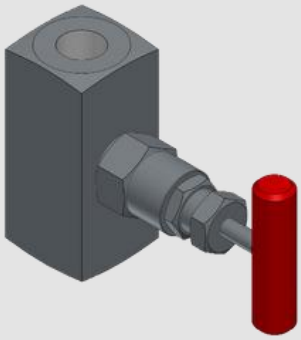


NON RETURN VALVE

- A non-return valve allows the fluid to flow in one direction only.
- It is used to ensure that the fluid flows in the right direction in the pipe.
- Reverse flow can cause a problem in the operation of the high-pressure system. Therefore PressureJet uses the right non-return valve to ensure hassle free system operation.

NEEDLE VALVE

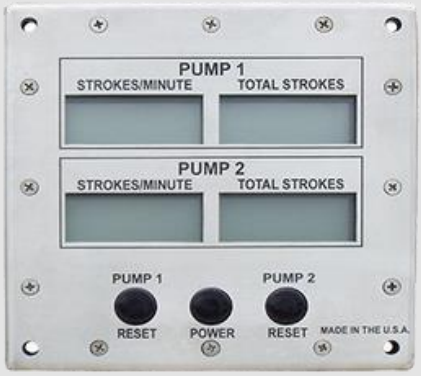
The needle valve is used for the safety of the Pressure gauge. It helps to isolate the pressure gauge once require pressure is set in system.



HYDRO TEST ACCESSORIES

CHART RECORDER

- Chart recorder is use to record increase in pressure of pump with respect to time. It is possible to output of pressure V/s Time chart in soft copy.



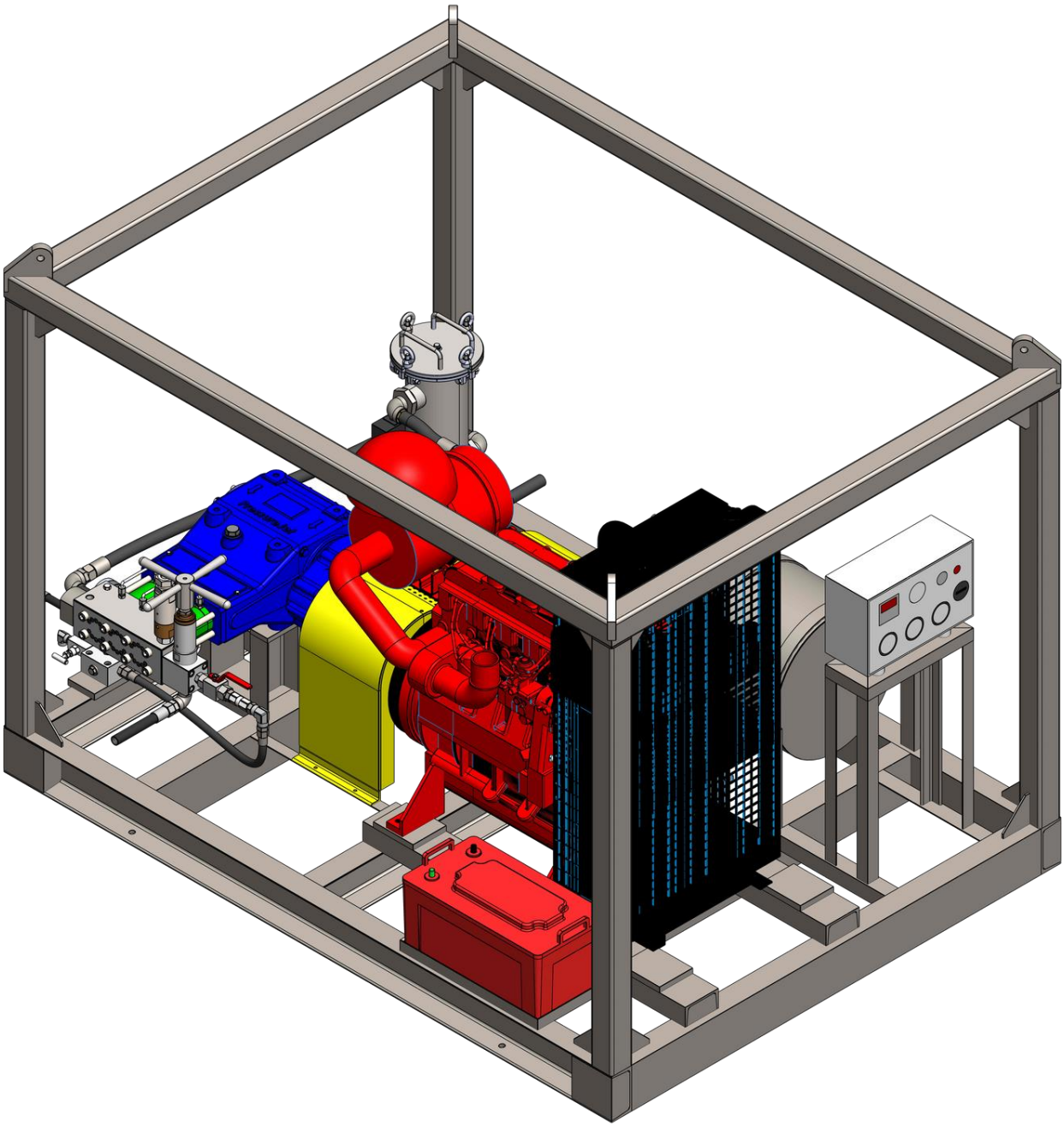
STEP COUNTER

- The step counter is used to measure no. of strokes of pump by which it is possible to determine flow rate of pump while performing Hydro test.

PRESSURE SWITCH

- The Pressure Switch displays the pressure of the booster pump or water pressure in the pump inlet line.
- If the pressure is not optimal, then the pressure switch will signal the control panel to stop the system in order to ensure safety.

HYDRO TEST ACCESSORIES



FOR MORE INFORMATION ABOUT HYDRO TEST AND ITS ACCESSORIES, PLEASE SCAN GIVEN QR CODE

FOR MORE INFORMATION

MORE ABOUT PRESSUREJET

We are the largest manufacturer of high pressure triplex plunger pump.For virtual factory tour scan the below mentioned QR code.

COMMISSIONING

We provide on-site commissioning of your pump upon your request. Have a look at our commissioning policy for more information, scan the QR code.

MAINTENANCE & TROUBLE SHOOTING

We ensure hassle-free troubleshooting of your pump with a lot of information available on our website. Don't want to read the information? Head out to our website for videos. Still facing problem? Contact us.

WARRANTIES & GUARANTEES

Our standard warranty is 1-year from date of supply or 1000 working hours whichever is earlier. Find out all our warranty policies and conditions in detail. Scan the QR code!

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