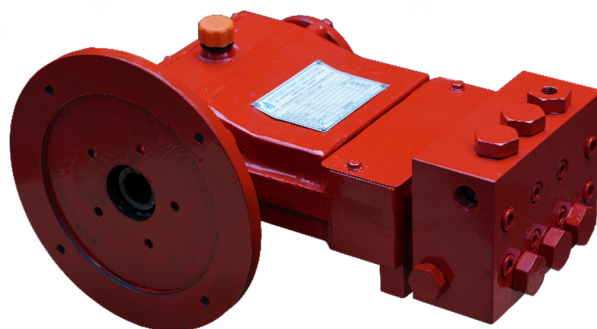
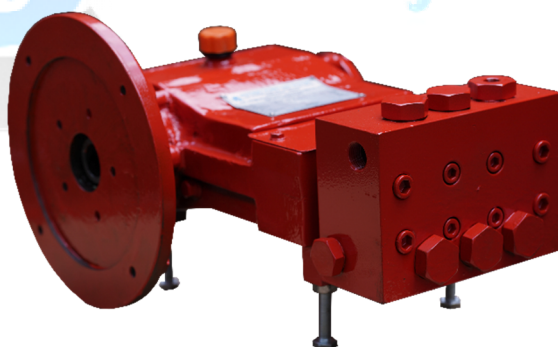
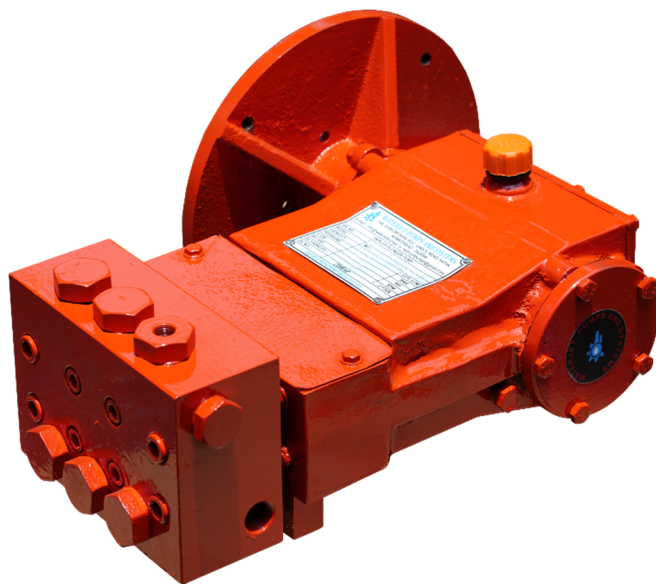




WJ – 10

****Industrial Applications: ****

- Industrial pressure cleaning
- Washing and Cleaning Pumps
- High Pressure Cleaners
- Hydro Test Pumps
- SWRO, ETP / STP, industrial RO plants
- Food Processing
- Pharma Industries
- Oil and Gas Industries
- And other applications



High Pressure Triplex Plunger Pump: WJ-10

Min. Pressure: 70 Bar	Max Pressure: 250 bar
Min Flow rate: 8 LPM	Max. Flow Rate: 24 LPM



WATERJET PUMPS & SYSTEMS

198, Hariom Park Society, Vinzol Road, Vatva, Ahmedabad-382440.
E-mail : info@waterjetpumps.in, sales@waterjetpumps.in Web : www.waterjetpumps.in

Core Specifications

- **Pressure Range:** 1,000 to 3600 PSI (70 to 250 bar).
- **Origin:** 100% in-house Indian manufacturing.
- **Support:** Ex-stock spare parts availability and detailed maintenance videos.

Primary Industrial Applications

Surface Preparation & Processing

- **Paint Removal:** Strips old coatings from metal and concrete.
- **Pre-Treatment:** Prepares surfaces for painting, coating, or plating.
- **Post-Pickling:** Cleans stainless steel after chemical treatments.

Facility & Equipment Maintenance

- **Contaminant Removal:** Cleans oil, grease, and industrial dust from machinery.
- **Deep Floor Care:** Washes workshop, plant, and warehouse floors.
- **Fleet Washing:** Cleans heavy machinery and transport vehicles.
- **Turnaround Support:** Facilitates maintenance during scheduled plant shutdowns.

Industry Deployment

- **Steel & Metal Finishing:** Handles descaling and post-pickling wash-downs.
- **Pharmaceutical & API:** Sanitizes reactors, tanks, and process pipelines.
- **Automotive & Engineering:** Washes maintenance bays and components.
- **Cement Plants:** Cleans silos and removes stubborn material deposits.
- **Chemical Processing:** Cleans tanks and reactors post-production.
- **Food & Beverage:** Sanitizes conveyors and production zones.
- **Marine & Offshore:** Strips rust and maintains ship hulls or decks.
- **Power Utilities:** Cleans heat exchangers and turbine housings.

To help narrow down the right model, let me know:

- Your required **operating pressure** or specific **cleaning task**
- The **industry sector** you operate in
- Your preference for **electric, diesel, or petrol** drive systems

I can then provide the exact pump configuration for your needs.





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Pump Specification: WJ-10

Technical Specification of WJ-10

Particular	Parameter
Plunger stroke	20 mm
Max. plunger speed	1440 SPM
PLUNGER FORCE	10 KN (2549 KGF)
Required inlet pressure	1 bar
Required inlet flow rate	Booster pump flow require min. 2 times of rated flow rate
Oil type	SAE – 220 , 20w40
Oil capacity	1 Litters
Max. liquid temp	80°C
Discharge Connection	½" inch BSP female
Suction Connection	½" inch BSP Female
Weight	35 kg. Approx.
Overall dim . (L×B×H)	485 mm × 374 mm × 192 mm

Model Selection Charts for WJ-10

PUMP MODEL	FLOW RATE		MAX PRESSURE		RPM	MAX POWER
	LPM	US GPM	BAR	PSI	50 Hz	HP
WJ8510	8.5	2.2	100	1450	1440	3
WJ8515	8.5	2.2	150	2175	1440	3
WJ8520	8.5	2.2	200	2900	1440	5
WJ8525	8.5	2.2	250	3625	1440	7.5
WJ1210	12	3.1	100	1450	1440	3
WJ1215	12	3.1	150	2175	1440	5
WJ1220	12	3.1	200	2900	1440	7.5
WJ1510	15	3.9	100	1450	1440	5
WJ1515	15	3.9	150	2175	1440	7.5
WJ2007	20	5	70	1015	1440	5
WJ2407	24	6.3	70	1015	1440	5
WJ2410	24	6.3	100	1450	1440	7.5

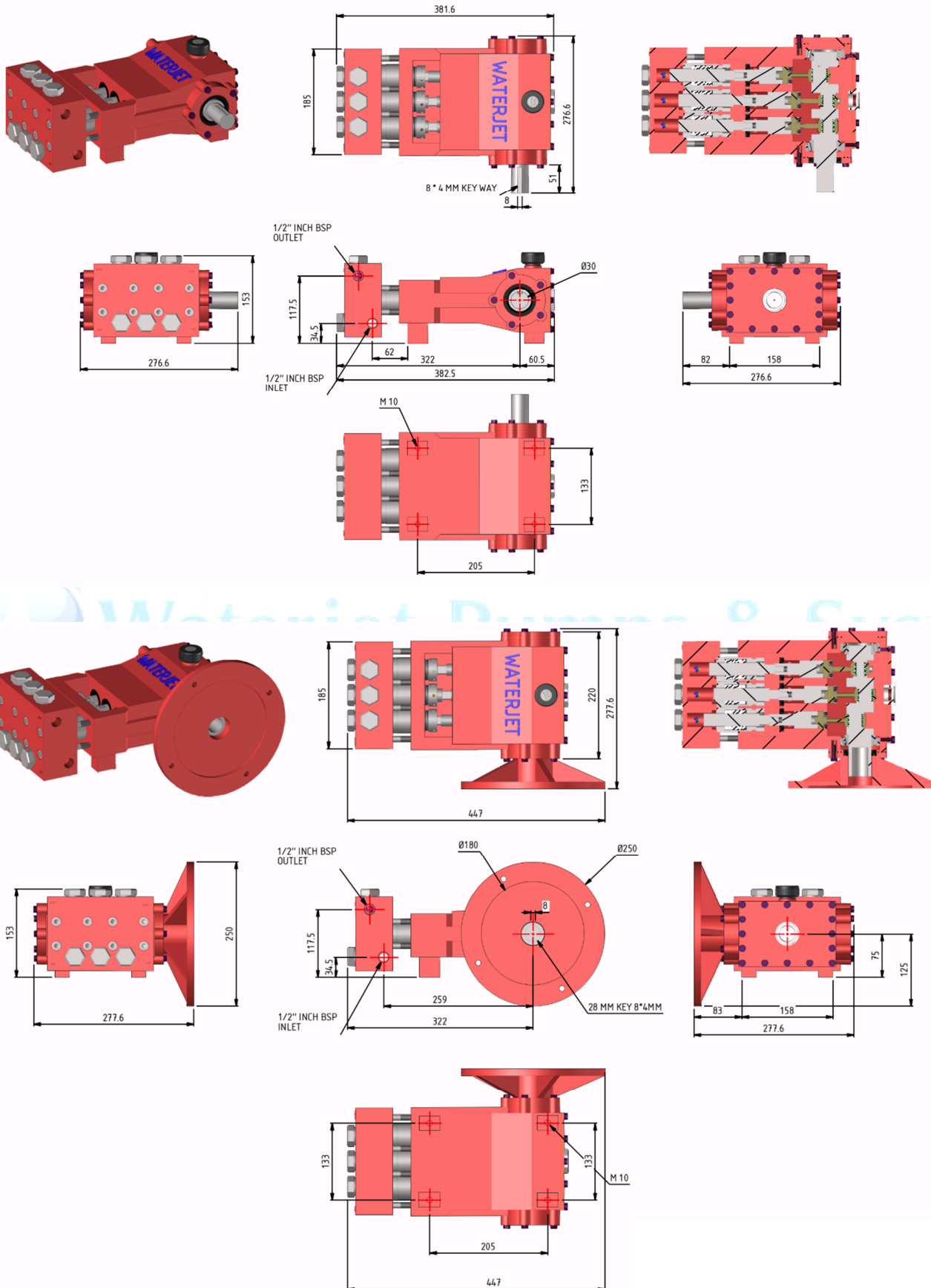
NOTE: HP Shown is Theoretical Hp. Required engine HP will be higher Approx. 20 %



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GA DRAWING CLEANING PUMP





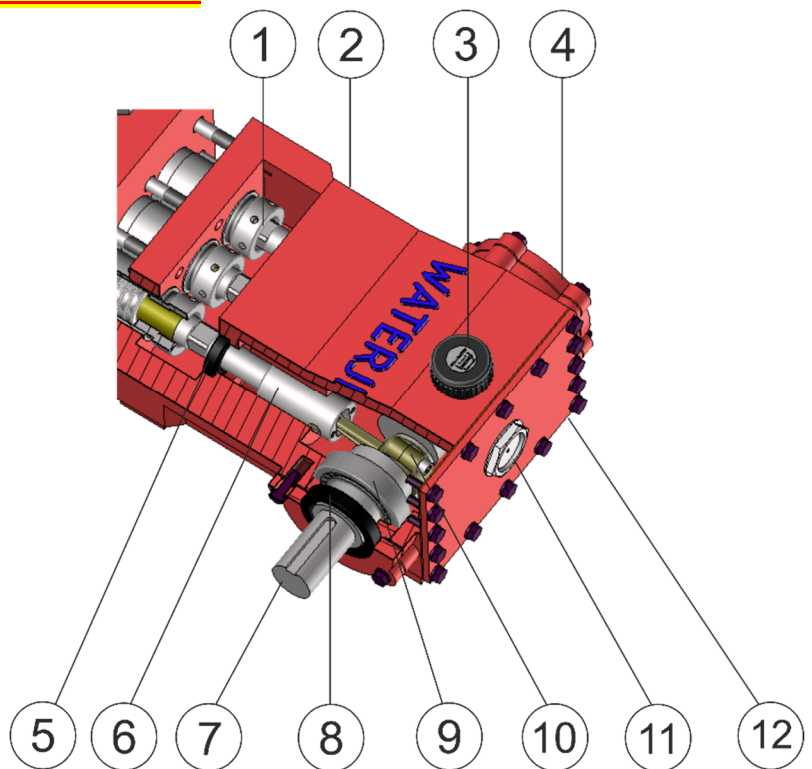
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POWER END

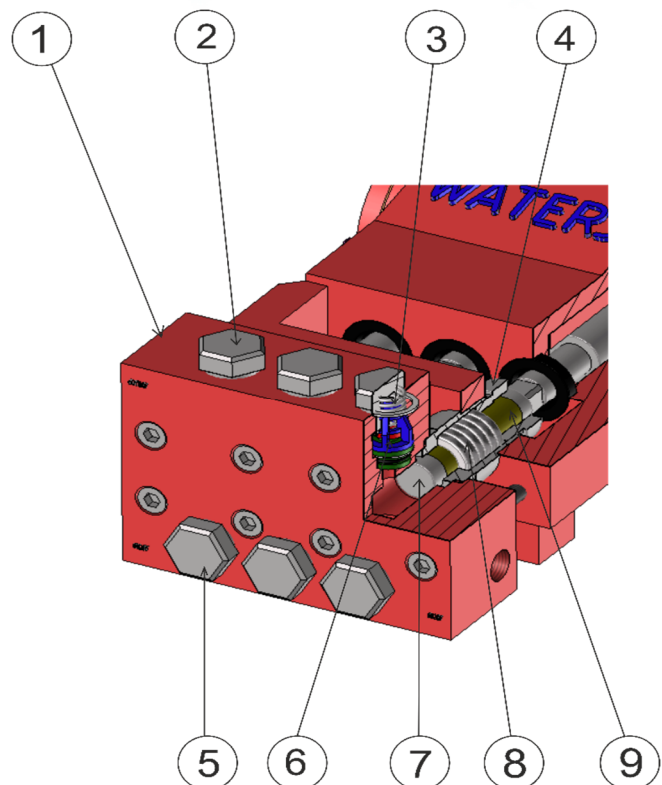
1. STUFFING BOX: SS
2. CRANK CASE: SGI CASTING
3. OIL PLUG
4. BEARING COVER: SGI CASTING
5. PISTON OIL SEAL
6. PISTON: EN - 8
7. CRANK SHAFT: EN - 8
8. CRANKSHAFT OIL SEAL
9. TAPPER ROLLER BEARING
10. CONNECTING ROD ASSEMBLY
11. OIL GALSS
12. CRANK CASE COVER



LIQUID END

Liquid contact parts available in SS 316 / SS 316L / DUPLEX SS / SUPER DUPLEX SS / HASTELLOY C / as per requirement

1. CENTER BLOCK
2. NRV PLUG
3. NRV PLUG SPRING
4. STUFFING BOX
5. SUCTING NRV PLUG
6. NRV SETS
7. PLUNGER
8. GLAND PACKING
9. STUFFING NUT

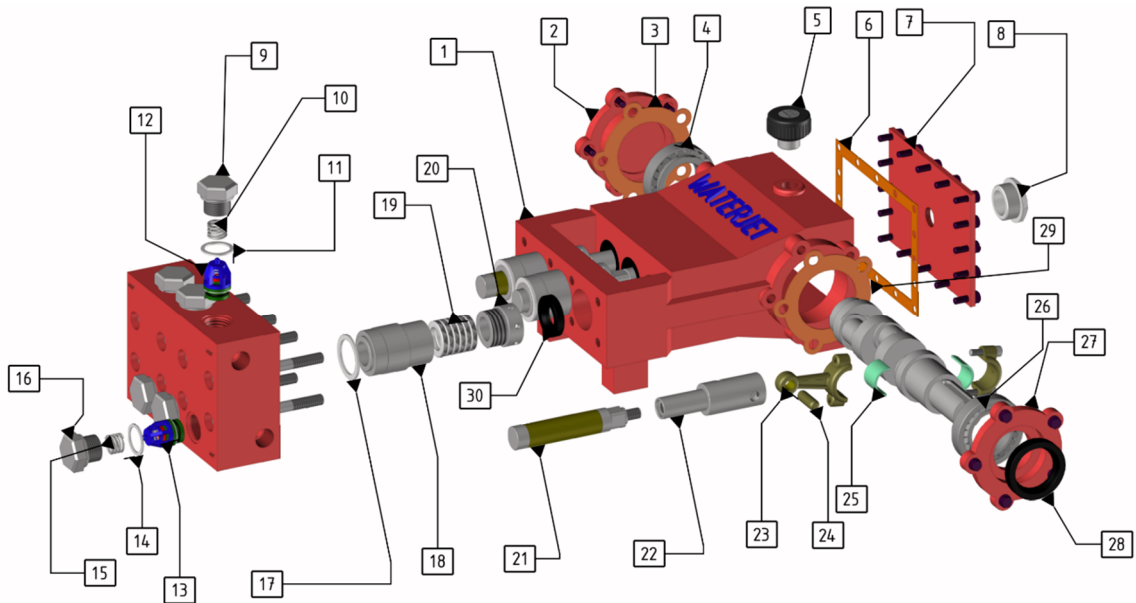




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ASSEMBLY DRAWING AND SPARES LIST



BILL OF MATEIAL FOR WJ-10

SR. NO.	PART NAME	QTY.	MATERIAL	SR. NO	PART NAME	QTY.	MATERIAL
1	MAIN BODY	1	C.I.	16	SUCTION NRV PLUG	3	SS 410
2	BEARING COVER CLOSED SIDE	1	C.I.	17	STUFFING GASKET	3	PTFE
3	BEARING COVER GASKET	2	OIL PAPER	18	STUFFING BOX	3	S.S. 410
4	TAPPER ROLLER BEARING	1	32008	19	GLAND PACKING SET	3	PTFE (ARAMIND)
5	OIL PLUG	1	MS	20	STUFFING NUT	3	S.S. 410
6	CRANKCASE COVER GASKET	1	OIL PAPER	21	PLUNGER	3	SS 410
7	CRANK CASE COVER	1	C.I.	22	PISTON	3	EN8
8	OIL GLASS	1	MS	23	CONNECTING ROD	3	SGI
9	DISCHARGE PLUG	3	S.S.410	24	PISTON PIN	3	EN8
10	DISCHARGE PLUG SPRING	3	SS 304	25	CR BEARING	3	Trimetal
11	DISCHARGE PLUG GASKET	3	PTFE	26	TAPPER ROLLER BEARING	3	32008
12	DISCHARGE NRV SETS	3	SS316	27	BEARING COVER DRIVE SIDE	1	C.I.
13	SUCTION NRV SETS	3	SS 316	28	CRANK SHAFT OIL SEAL 40×58×10	1	VITON
14	SUCTION NRV PLUG GASKET	3	PTFE	29	BEARING COVER GASKET	1	OIL PAPER
15	SUCTION PLUG SPRING	3	SS	30	PISTON OIL SEAL 20×40×10	3	VITON



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SR NO	Standard Item List	
1	High Pressure Triplex Plunger Pump WJ - 10	01 NOS
2	ELE MOTOR	01 NOS
3	STATER / PANEL	01 NOS
4	TROLLEY BASE FRAME	01 NOS
5	COUPLING & COUPLING GUARD	01 NOS
6	PRESSURE GAUGE	01 NOS
7	UNLOADER VALVE / PRESSURE REGULATING VALVE	01 NOS
8	STRAINER / FILTER	01 NOS
9	HIGH PRESSURE WATER BLAST RUBBER HOSE 10 METER (BOTH SIDE SS SWIVEL FEMALECONNECTION)	01 NOS
10	L.P SUCTION HOSE 3 METER , L.P BYPASS HOSE	01 NOS
11	CLEANING NOZZLE SS STRAIGHT	01 NOS
12	HIGH PRESSURE TRIGGER GUN	01 NOS
13	RIGID LANCE 1000 MM	01 NOS

LIST OF ACCESSORIES OF SWRO

SR NO.	NAME OF ACCESSORIES
1	MS BASE FRAME
2	PRESSURE RELIF VALVE
3	DAMPNER
4	PULLEY AND V-BELT SETS
5	PULLEY GUARD

UNLOADER VALVE



NOZZLE



TRIGGER GUN



LANCE

