



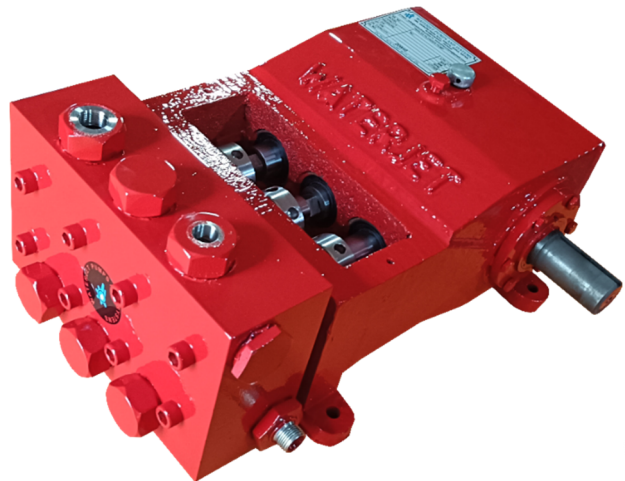
WATERJET Pumps and Systems is a leading Indian manufacturer of high-pressure positive displacement triplex plunger pumps. With years of experience and deep industry expertise, we provide a powerful combination of engineered pumping solutions and application-specific support to meet the evolving needs of our customers across diverse industries.

Our product range features some of the most comprehensive and robust pumping technologies available in the market today, including custom-built solutions for unique and critical industrial applications. With a focus on performance, durability, and innovation, we continue to serve a wide global clientele with excellence

WJ - 25

****Industrial Applications: ****

- Industrial pressure cleaning
- Washing and Cleaning Pumps
- Hydro Blasting Machine
- 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-25

Min. Pressure: 50 Bar	Max Pressure: 500 bar
Min Flow rate: 9 LPM	Max. Flow Rate: 46 LPM



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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:** 725 to 7,000 PSI (50 to 500 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.





Pump Specification: WJ-25

Technical Specification of WJ-25

Particular	Parameter
Plunger stroke	30 mm
Max. plunger speed	714, 1000, 1450 SPM
PLUNGER FORCE	25 KN (2549 KGF)
Required inlet pressure	3-5 bar
Required inlet flow rate	Booster pump flow require min. 2 times of rated flow rate
Oil type	SAE – 220 , 20w40
Oil capacity	2.5 Litres
Max. liquid temp	80°C
Discharge Connection	1" inch BSP female
Suction Connection	1" inch BSP Female
Weight	65 kg. Approx.
Overall dim. (L×B×H)	485 mm × 374 mm × 192 mm

Model Selection Charts for WJ-25

PUMP FLOW 15 LPM TO 36 LPM			PUMP PRESSURE 100 TO 500 BAR			
PUMP MODEL	FLOW RATE		MAX PRESSURE		RPM	MAX POWER
	LPM	US GPM	BAR	PSI	50 Hz	HP
WJ1520	15	3.9	200	2900	1440	10
WJ1535	15	3.9	350	5076	1440	15
WJ1550	15	3.6	500	7251	1440	25
WJ1735	17	4.4	350	5221	1440	15
WJ1750	17	4.4	500	7251	1440	20
WJ2320	23	6	200	2900	1440	15
WJ2325	23	6	250	3625	1440	20
WJ3020	30	7.9	200	2900	1440	20
WJ3025	30	7.9	200	2900	1440	20
WJ3610	36	9.5	100	1450	1440	10
WJ3620	36	9.5	200	2900	1440	20



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MODEL SELECTION CHARTS FOR WJ -25 WITH MAXIMUM FLOW AND PRESSURE

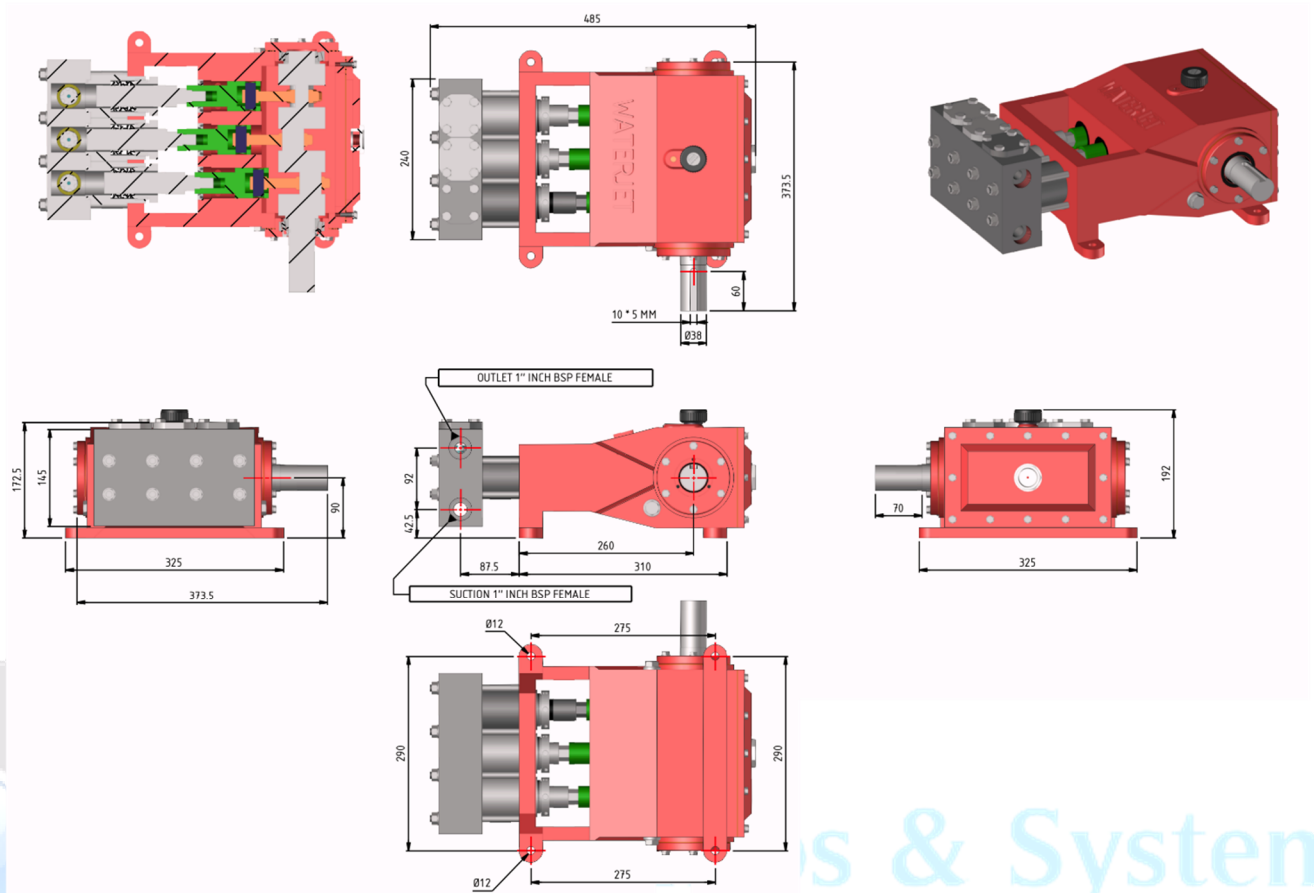
WJ - 25									
PLUNGER DAI Ø MM	FLOW IN LPM	FLOW IN LPH	GPM	PRESSURE IN BAR	PSI	PUMP SPM	KW	HP	ELE MOTOR RPM
10	9	540	3.9	750	10875	1440	15	20	1465
12	13	780	3.9	500	7250	1440	15	20	1440
14	18	1080	6.3	350	5075	1440	15	20	1440
14	12	720	6.3	350	5075	1000	11	15	1000
16	23	1380	6.3	250	3625	1440	15	20	1450
16	16	960	9.2	350	5075	1000	15	20	1000
16	12	720	9.2	350	5075	715	11	15	715
18	29	1740	9.2	200	2900	1450	15	20	1450
18	20	1200	9.2	240	3480	1000	11	15	1000
18	14	840	12.6	250	3625	715	7.5	10	715
20	36	2160	12.6	150	2175	1440	15	20	1440
20	25	1500	12.6	200	2900	1000	11	15	1000
20	18	1080	12.6	250	3625	715	11	15	715
22	44	2640	16.63	100	1450	1440	11	15	1440
22	30	1800	16.63	100	1450	1000	7.5	10	1000
22	22	1320	16.63	150	2175	715	7.5	10	715
24	52	3120	16.63	120	1740	1440	15	20	1440
24	36	2160	16.63	120	1740	1000	11	15	1000
24	26	1560	16.63	180	2610	715	11	15	715
26	68	4080	16.63	80	1160	1440	15	20	1440
26	42	2520	16.63	100	1450	1000	11	15	1000
26	30	1800	16.63	100	1450	715	7.5	10	715
28	72	4320	16.63	60	870	1440	11	15	1440
28	49	2940	16.63	90	1305	1000	11	15	1000
28	35	2100	16.63	90	1305	715	7.5	10	715
30	82	4920	16.63	50	725	1440	11	15	1440
30	57	3420	16.63	75	1087.5	1000	11	15	1000
30	40	2400	16.63	75	1087.5	715	7.5	10	715
32	93	5580	16.63	50	725	1440	11	15	1440
32	65	3900	16.63	70	1015	1000	11	15	1000
32	46	2760	16.63	70	1015	715	7.5	10	715



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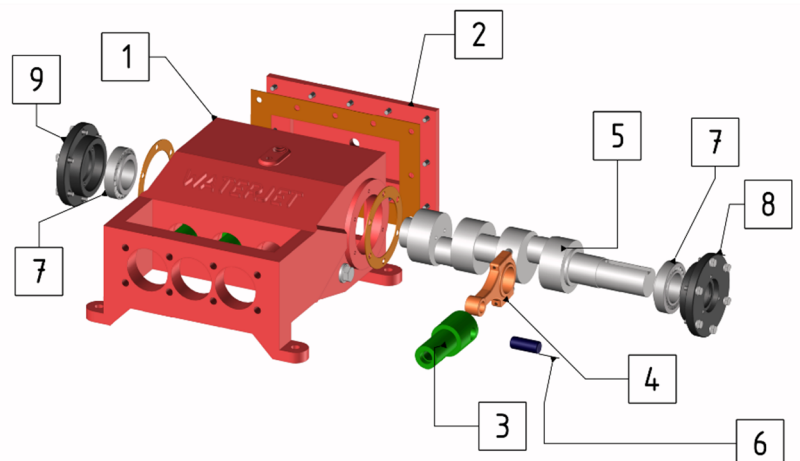
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GA DRAWING



POWER END

1. Crank Case - SGI CASTING
2. Crank Case Cover - SGI CASTING
3. Piston – EN8 With hard Chrome
4. Connecting Rod - SGI
5. Crank Shaft EN 19
6. Piston Pin - EN 8
7. BEARING TAPER ROLLER
8. BEARING COVER OPER SIDE
9. BEARING COVER CLOSED SIDE



Mfg of : High Pressure Pump, Triplex Plunger Pump, Mettering Dosing



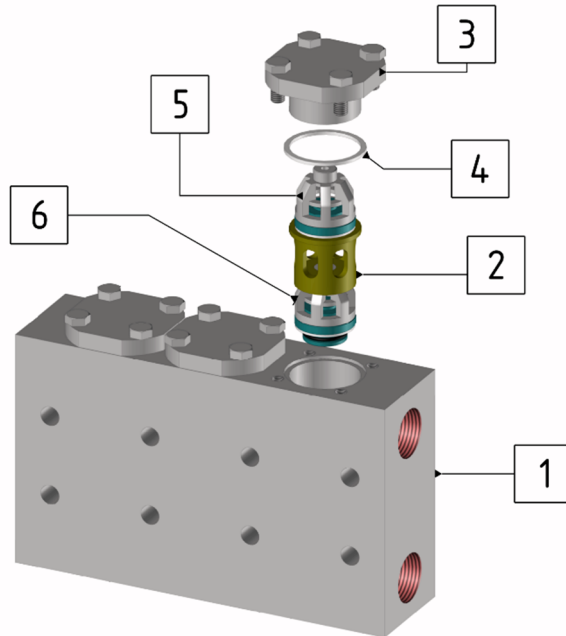
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LIQUID END

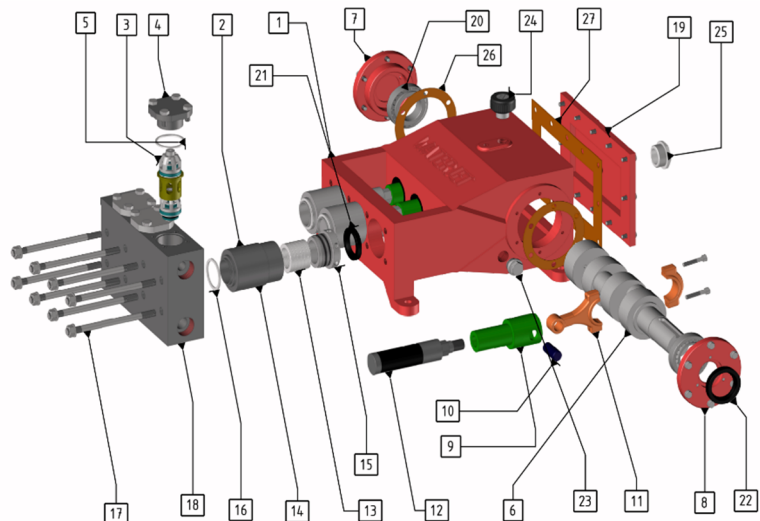
Liquid contact parts available in SS 316 / SS 316L / DUPLEX SS / SUPER DUPLEX SS / HASTELLOY C / as per requirement

1. CENTER BLOCK
2. NRV SLEEVE
3. NRV FLANGE
4. NRV GASKET
5. DISCHARGE NRV
6. SUCTION NRV



ASSEMBLY DRAWING AND SPARES LIST

BILL OF MATERIAL FOR WJ-25			
SR. NO.	PART NAME	QTY.	MATERIAL
1	MAIN BODY	1	C.I.
2	STUFFING BOX	3	S.S. 304
3	NRV ASSEMBLY	6	S.S. 316
4	NRV FLNAGE	3	S.S. 304
5	NRV GASKET	3	TEFLON
6	CRANK SHAFT	1	EN-19
7	BEARING COVER - CLOSE SIDE	1	C.I.
8	BEARING COVER - OPEN SIDE	1	C.I.
9	PISTON	3	EN-8
10	PISTON PIN	3	EN-8
11	CONNECTING ROD ASSEMBLY	3	BRONZ
12	PLUNGER TC COATED	3	S.S. 304
13	GLAN PACKING	15	PTFE (ARAMIND)
14	STUFFING BOX	3	S.S. 304
15	STUFFING BOX NUT	3	S.S. 304
16	STUFFING BOX GASKET	3	TEFLON
17	CENTER BLOCK STUD	8	S.S. 304
18	CENTER BLOCK	1	S.S. 304
19	MAIN BODY COVER	1	C.I.
20	CRANK SHAFT TEPER ROLLER BARING	2	30208
21	PISTON OIL SEAL 32×48×10	3	VITON
22	CRANK SHAFT OILSEAL 40×48×10	1	VITON
23	OIL DRAIN PLUG	2	MS
24	OIL AIR PLUG	1	MS
25	OIL GLASS	1	MS
26	BEARING COVER GASKET	2	OILPAPER
27	MAIN BODY COVER GASKET	1	OILPAPER





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LIST OF ACCESSORIES FOR CLEANING

SR NO	NAME OF ACCESSORIES
1	TROLLEY BASE FRAME
2	STATER
3	COUPLING / COUPLING GUARD
4	PRESSURE GAUGE
5	UNLOADER VALVE / PRESSURE REGULATING VALVE
6	STRAINER / FILTER
7	HIGH PRESSURE WATER BLAST RUBBER HOSE 10 METER (BOTH SIDE SS SWIVEL FEMALE CONNECTION)
8	CLEANING NOZZLE SS STRAIGHT
9	HIGH PRESSURE TRIGGER GUN
10	RIGID LANCE 1000 MM
11	ELE MOTOR

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



UNLODER VALVE



TRIGGER GUN



RIGID LANCE 1000 MM



NOZZLE