



# PRECISION PUMPING, ENGINEERED FOR HIGH PRESSURE.

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# High Pressure Triplex Plunger Pumps

High pressure pump, fitted with unloader and safety valve is driven by electric motor or diesel engine. Complete pump unit with local control panel, instrumentation and safety controls is mounted on a vibration-free fixed base frame or towable trolley with solid / pneumatic wheels. Customers have the option to mount an overhead water tank directly on the pump frame, offering added convenience and space efficiency. Complete units can be custom-built for safe operation in hazardous zones, featuring flameproof electrical components.

## APPLICATIONS

Cleaning of turbine blades, heat exchanger pipes and tubes, air-filters, pre-heaters, reactors, pressure vessels, silos, tanks, machined parts, sewage pipes, ship hull, ladles, etc.

Descaling of billets, blooms, plates, spring sheets, forgings, pipes, non-ferrous metals, etc.

Water jetting across a wide range of industrial applications—including water injection, accumulator charging, hydro testing, concrete cutting, paint stripping, rust removal, deburring, reverse osmosis, water hydraulics, and prop support systems.

## SPECIAL FEATURES

- Compact, rugged, and designed for noiseless operation—built for durability and peak performance
- Forged stainless steel pump head, ultrasonically tested for high-pressure safety
- Smooth finish of ceramic/SS/carbide plungers ensures negligible wear and friction
- Valves and seats made from special high strength materials ensure long life
- Sealing with special packing material having no wear sensitive lip
- Adjust flow and pressure easily via quick-change conversion kits
- Cleans significantly faster than conventional systems—minimizing downtime
- Enables in-place cleaning—reducing maintenance costs
- Environment friendly process since no hazardous chemicals are involved



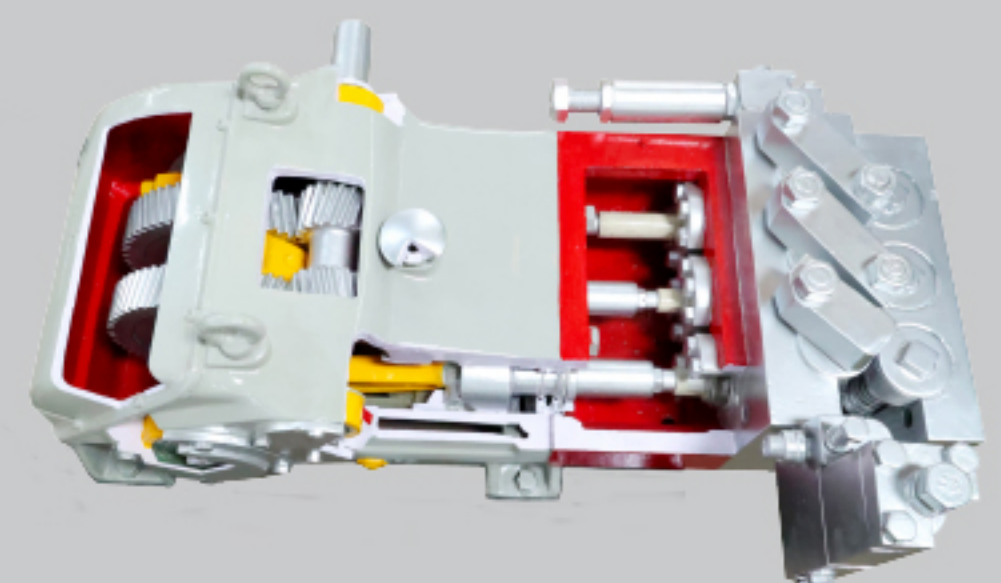
**BASE FRAME MOUNTED**  
Triplex Plunger Pump



**TROLLEY MOUNTED**  
Diesel Engine Driven Triplex  
Plunger Pump



**TROLLEY MOUNTED**  
Electric Motor Driven Pump



**HIGH PRESSURE**  
Triplex Plunger Pump





UTPS 4500 SERIES - 650 RPM

Model	Flow Rate (m³/hr)	Power Input (kW)			
		22	30	37	45
		Pressure (bar)			
4518	1.5	485	665	805	940
4520	1.9	390	535	660	760
4522	2.2	330	450	555	630
4524	2.6	275	375	465	530
4526	3.1	235	320	395	450
4528	3.6	200	275	340	390
4530	4.1	175	230	285	340
4532	4.7	155	210	260	295
4536	5.9	115	155	195	235
4540	7.3	95	125	160	190
4545	9.3	75	105	125	150
4550	11.5	60	85	105	120
4555	13.9	50	70	85	100

UTPS 8000 SERIES - 530 RPM

Model	Flow Rate (m³/hr)	Power Input (kW)		
		45	55	75
		Pressure (bar)		
8018	1.7	790	965	1300
8020	2.1	650	800	1065
8022	2.5	525	650	900
8024	3.1	450	555	755
8026	3.7	385	475	645
8028	4.2	335	410	555
8030	4.8	280	345	470
8032	5.4	240	300	410
8036	6.9	190	235	325
8040	8.7	150	190	255
8045	10.5	120	150	200
8050	12.9	100	120	165
8055	16.8	80	100	135

UTPS 13000 SERIES - 435 RPM

Model	Flow Rate (m³/hr)	Power Input (kW)				
		55	75	90	110	132
		Pressure (bar)				
13018	2	840	1125	1340	1630	2000
13020	2.5	695	920	1100	1305	1570
13022	3.1	540	730	850	1000	1260
13024	3.6	405	560	670	770	1100
13026	4.3	385	535	645	770	910
13028	5	355	485	580	665	780
13030	5.8	305	420	505	580	680
13032	6.6	270	370	445	505	600
13036	8.3	205	285	340	400	475
13040	10.2	165	225	270	325	390
13045	12.9	130	175	215	255	305
13050	16.1	105	145	170	205	245
13055	19.5	90	120	140	170	200
13060	23.2	70	100	120	145	170

UTPS 13000 SERIES - 475 RPM

Model	Flow Rate (m³/hr)	Power Input (kW)				
		55	75	90	110	132
		Pressure (bar)				
13018	2.3	760	1035	1235	1470	1750
13020	2.8	610	850	1010	1220	1430
13022	3.4	490	660	790	970	1140
13024	4.1	425	600	720	860	1000
13026	4.7	370	515	620	760	845
13028	5.5	315	445	530	655	730
13030	6.4	275	390	460	565	635
13032	7.2	240	340	410	500	560
13036	9.1	190	260	310	380	440
13040	11.3	155	205	245	300	355
13045	14.3	120	160	195	235	280
13050	17.6	100	130	155	190	225
13055	21.3	80	110	130	160	185
13060	25.4	70	95	110	135	156

UTPS 25000 SERIES - 450 RPM

Model	Flow Rate (m³/hr)	Power Input (kW)			
		132	160	200	250
		Pressure (bar)			
25026	5.2	815	990	1235	1540
25028	6	700	850	1060	1315
25030	6.8	610	740	925	1145
25032	7.8	535	650	815	1010
25036	9.9	425	515	645	800
25040	12.2	345	415	520	645
25045	15.5	270	330	410	510
25050	19.1	220	265	335	415
25055	23.1	180	220	275	340
25060	27.5	155	185	230	285
25065	32.2	130	160	200	245
25070	37.4	110	135	170	210
25075	42.9	100	120	150	185
25085	55.1	75	90	115	145
25095	68.9	60	75	90	115

**Note:** Technical data based on 100% volumetric efficiency, Ambient 20 °C, & 50Hz.



# High-Pressure Cleaning Systems

For demanding industrial cleaning applications, UT Pumps offers advanced cold and hot water/steam high-pressure jet cleaning systems. Engineered for superior cleaning performance, these systems provide powerful flow and pressure levels to handle even the toughest cleaning challenges with efficiency and precision.



## Technical Data for Models

Parameters	S-2000	S-1860	CW-1860	UT 500/22	Kid 200/15	Super Mini 100/8
Operating Pressure (bar)	200	50-150	50-150	100-500	50-200	50-100
Water flow rate (m3/h)	1.26	0.88 - 1.76	0.88 - 1.76	1.32	0.4-0.9	0.4 - 0.48
Water Temperature (°C)	Ambient to 150	Ambient to 150	Ambient	Ambient	Ambient	Ambient
Electric Load (kW)	8	8	7.5	2.2	5.5	1.8
Drive Motor (kW)	7.5	7.5	7.5	2.2	5.5	1.8
Fuel consumption (L/h)	8	11	-	-	-	-
Detergent tank capacity (L)	2 x 20	2 x 20	2 x 20	-	-	-
Fuel Tank Capacity (L)	45	45	-	-	-	-
Dimensions (mm)	1500 x 900 x 980	1500 x 900 x 980	1350 x 900 x 980	-	500 x 740 x 800	710 x 450 x 850
Weight approx. (kg)	350	375	205	500	90	70

**Note:** Technical data for 50Hz power supply. For S-2000 & S-1860, maximum temperature at minimum flow and minimum pressure applicable.

### KEY FEATURES AND BENEFITS

- High-performance cleaning
- Continuous operation
- Versatile plunger options
- Precise pressure control
- Large fuel tank
- Dual cleaning agent tanks
- Compact & portable design
- Maintenance-friendly design





## ADVANCED SYSTEM FOR MAXIMUM EFFICIENCY

### *Double Drive System*

- Separate motors for the pump and burner
- Prevents unnecessary burner wear when operating with cold water
- Automatic shut-off for the fan, fuel pump, and burner when water supply is cut-off

### *Burner System*

- Turbo fan and burner system for quiet, soot-free ignition
- Pre-ventilation of heat exchanger ensures efficient performance
- Low fuel consumption with high-output efficiency

### *Chemical Dosing System*

- Precise selection and dosing valve for exact chemical application
- Dual cleaning material tanks with instant selection
- Self-flushing feature

### *Safety Features*

- Built-in pressure switch and low water cut-off safety
- Integrated bypass valves ensure operational safety
- Triple safety unit shuts off fan, fuel pump, and solenoid valve upon reaching set temperature

## APPLICATIONS

Our high-pressure jet cleaning systems are ideal for various industrial cleaning tasks, including:

- Railway track and platform cleaning
- Diesel shed cleaning
- Locomotive and engine cleaning
- A/C coil maintenance
- Grease and oil removal
- Earth-moving equipment cleaning
- Cleaning of casting and machined parts
- Cooling tower and air cooler maintenance
- Vehicle and container cleaning
- Conveyor belt maintenance
- Air handling unit fin cleaning
- Air pre-heater basket filter cleaning
- Heat exchanger maintenance
- Railway coach and toilet cleaning
- Restoration of stone and tile monuments
- Process filter cleaning





## Jet Cleaning Machine Accessories

### STANDARD ACCESSORIES

- High-pressure gun: 1 no.
- High-pressure nozzle: 2 nos.
- High-pressure hose (10 meters): 1 no.
- Jerry can: 2 nos.
- Single nozzle lance: 1 no.

### FITTED ACCESSORIES

- Chemical selection & dosage valve
- 5M electric cable
- 3/4" water connecting coupling
- Pressure gauge, pressure regulator and safety valve
- Temperature controller & low water cut-off



TRIGGER OPERATED GUN

## High Pressure Plunger Pump Accessories



FOOT OPERATED VALVE



HP HOSE



FLEXIBLE LANCE



HAND OPERATED GUN



NOZZLES

### INDUSTRIES

- Automobile/Engineering
- Breweries/Distilleries/Sugar
- Cement
- Chemicals & Petrochemicals
- Construction
- Food Processing & Dairy
- Fire Protection
- Mining
- Utilities & Infrastructure
- Oil & Gas
- Power Generation
- Railways
- Marine & Shipping
- Metallurgy
- Textiles
- Water & Wastewater Treatment



# ABOUT

For over four decades, UT Pumps has been a trusted provider of industrial pumping solutions, renowned for engineering excellence and dependable performance in demanding environments. Specializing in the manufacture of high-quality screw pumps and high-pressure plunger pumps, we serve critical sectors including chemicals, water treatment, and food processing with precision-engineered systems tailored to industrial requirements.

Our commitment to quality, sustainability, and safety is reflected in our ISO 9001, ISO 14001, and ISO 45001 certifications, ensuring that every solution we deliver enhances productivity and operational efficiency.

As a brand of Hydro Prokav Pumps India Pvt. Ltd. and Ingersoll Rand, UT Pumps offers its customers the advantage of global expertise, expanded capabilities, and a commitment to innovation.



**HYDRO  
PROKAV**

An Ingersoll Rand Business

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