

Ultra High Pressure Water Jetting



Airblast Pumps

We offer a full range of High Pressure (HP) & Ultra High Pressure (UHP) plunger pumps and water jetting equipment. Every pump & unit we supply is function tested and certificated for performance prior to despatch from our headquarters in the Netherlands. Whether you need a WaterJet Cleaning System or Cutting System, a standard Water Jetting Unit, a bare shaft pump or a nozzle, Airblast has the Water Jetting Solution.

Our range of pumps operate at pressures from 70 to 2750 bar and flow rates to 773 lpm with ratings from 30 to 375 kW (40 to 500 hp). The pumps are ruggedly constructed and produced in nine frame sizes, each including a range of plunger sizes. This allows selection of the ideal pump for the job. Close-coupled reduction gearbox drives are available, with a choice of gear ratio to suit most prime mover speeds. Also available are SAE engine adaptor housings allowing the pumps to be flange mounted to diesel engines, ensuring perfect alignment and making installation simple. The power end of the pump features cast iron casings with splash or pressure lubrication and oil cooling, according to the application. Pump heads are manufactured from stainless steel as standard. The in-line valve arrangement prevents the adverse effects of cyclic stress within the headblock, while allowing all working components to be easily removed on site for service. Solid ceramic plungers extend the life of the self adjusting plunger seals. The UB-range of UHP pumps include design features that allows seals and valves to be monitored without tools and maintenance on individual cylinders.

Typical Applications:

- Water & abrasive blasting
- Surface preparation (coatings & corrosion removal)
- Pipe cleaning & de-scaling
- Tank & vessel cleaning
- Sub-sea cleaning & cutting
- Floor, road & runway cleaning
- Pressure Testing
- Cold cutting
- Road re-texturing & white line removal
- Heat exchanger tube cleaning
- Hydrodemolition

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Water Jetting Units

Skid, site or road trailer and truck mounted units are available with or without sound reduction enclosures, driven by a choice of diesel engines or electric motors for use in safe or hazardous areas (ATEX compliant where required). All fabrications are grit blasted and high quality powder coated for a durable finish. For offshore applications fully certified crashframes or containers are available with paint finishes to customer specification. Every unit supplied by Airblast is robust, simple to operate and maintain, and designed for longevity. Diesel engines and electric motors are sourced from world leading manufacturers and comply with the latest international standards. Simple control panels are used throughout the product range avoiding the need for PLC systems, ensuring reliability & easy trouble shooting. High capacity water filters and stainless steel suction line fittings are used as standard and boost pumps fitted for higher pressure applications. Shutdown switches are fitted where necessary to monitor various pump and prime mover functions.

Accessories

To complement the pump sets, a comprehensive range of water jetting accessories is available to cover every application:

- Hand held jetting guns - land and underwater
- Foot control valves
- Unloader and diverter valves
- Surface cleaning jets - pencil, fan and rotating
- Pipe and tube cleaning jets - fixed and rotating
- Heat exchanger cleaning - manual and automatic
- Tank cleaning heads
- Floor, road and runway cleaning
- Water abrasive blasting
- High pressure hoses, flexible and rigid lances



Worldwide Support

Backed by a comprehensive spares stock holding, we have dedicated Service Engineers who travel nationally and internationally keeping our pumps running round the clock. We also work closely with our overseas agents who have been trained in the selection, operation and maintenance of our product range ensuring they can provide the vital after sales service demanded by today's fast moving industry.

WATER JETTING PUMPS OVERVIEW

Pump Model	Plunger dia mm	Nominal Power		Nominal Flow Rating			Pressure	
		kW	hp	lpm	igpm	usgpm	bar	psi
HPS400	14 35	30	40	16 103	3.6 22.6	4.4 27.2	1,000 160	14,500 2,320
HPS650	18 35	48	65	27 103	6 22.6	7.2 27.2	1,000 250	14,500 3,625
HPS1000	20 50	75	100	30 185	6.5 40.6	7.8 49	1,400 220	20,300 3,190
HPS2200	24 55	160	220	53 279	11.7 61.3	14.1 73.9	1,400 310	20,300 4,495
HPS3000	30 75	225	300	84 484	18.5 106.4	22.3 128.2	1,400 250	20,300 3,625
HPS5000	30 75	375	500	141 806	31 177.4	37.3 213.7	1,400 250	20,300 3,625
UB10	11	48	65	10.3	2.2	2.8	2,600	38,000
UB15	14	75	100	13.8	3	3.7	2,750	40,000
UB24	14	120	160	23	5.1	6.1	2,750	40,000
UB30	18 22	160	220	30 40	6.6 8.8	8 10.6	3,000 2,100	43,500 30,450

The chart above shows extreme pressure/flow combinations with smallest & largest plungers fitted. All pumps have a range of plunger sizes other than the Ultrabar 10, 15 & 24.