

330 SERIES

Multi-Blasters® Up To 330 HP
Pressures from 4,000 PSI - 20,000 PSI
Flows from 9.6 to 120 GPM

GD
GARDNER DENVER®
WATER JETTING
SYSTEMS, INC.

Versatile High Pressure Water Jetting



This 360DT is fully equipped with a clutched PTO and pump filtration. The Partek TF-450HC triplex pump pushes up to 26 GPM, and attains pressure of up to 20,000 PSI.

Gardner Denver Water Jetting Systems, Inc. offers the most complete line of high-pressure water jetting units in the industry with more choices to solve your cleaning problems. Gardner Denver designs and manufactures water-jetting equipment with one goal in mind: to give our customers a cost-effective, rugged, dependable machine. By combining the exceptional efficiency of the Partek® pump with a correctly-sized power unit and drive train, Gardner Denver has created a perfectly-engineered system that will

provide more useable energy than any other water-jetting product on the market.

Whether you choose the 250 HP, 300 HP or 330 HP model, each Multi-Blaster® 330 Series unit includes a Partek® pump with three fluid end options, diesel engine or electric motor, belt drive system, pump filtration, fuel tank (for diesel units), unit instrumentation and safety relief systems.

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TF-450MB/HC PUMP

The Partek TF-450 pump consists of the power end and a fluid end. The power end, consisting of crankshaft, connecting rods and crossheads which transmit power from the pump driver which may be diesel or electric to the fluid end. Utilizing plungers and valves, the fluid end converts inlet water to a high pressure stream. Three standard fluid ends are offered for the TF-450; the TF-450SB for pressures to 10,000 PSI, the TF-450MB for pressures to 12,000 PSI, and the TF-450HC for pressures to 20,000 PSI.

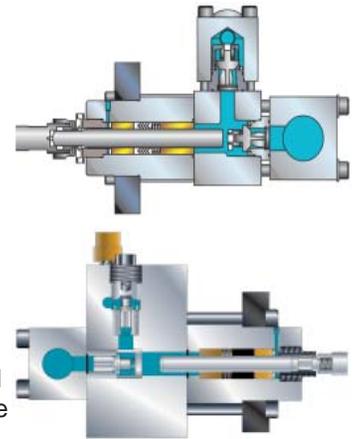
Fluid End

All of Gardner Denver's Partek fluid ends share several features to significantly improve the pump's life, performance and maintainability.

- ◆ All high pressure components are constructed of special high strength stainless steel to eliminate corrosion and maximize strength.
- ◆ Suction manifolds are manufactured from aircraft grade aluminum. Stainless steel is available for salt water service.
- ◆ "L" style fluid cylinders and Inline style stuffing boxes and valve seats are autofrettagged to provide maximum strength and reliability.
- ◆ Partek fluid ends are designed to insure highest possible volumetric efficiencies, allowing the pump to operate at slower, life extending speeds.
- ◆ Plungers are non threaded, collet style for positive alignment and easy and rapid removal and replacement.
- ◆ Plungers and packing are lubricated and cooled by water. Unlike messy oil or grease systems, water lubrication is environmentally safe, inexpensive and requires minimal maintenance.
- ◆ The Partek APC (advanced polymer composite) packing systems utilize space age materials to deliver long, even wear.
- ◆ Partek fluid ends are configured to permit rapid removal of packing and plungers from the rear of the stuffing box through the pump cradle.
- ◆ Valve seats utilize o-rings to facilitate sealing, reducing high internal stresses caused by traditional tapered valve seats.
- ◆ Packing loading is automatic by an internal spring, eliminating gland nut adjustments as on other pumps.

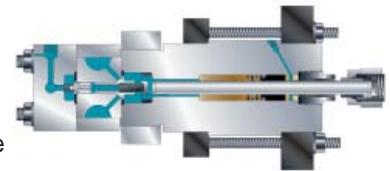
Standard "L" Operation to 10,000 PSI (TF-450SB) and 12,000 PSI (TF-450MB)

This simple design features easy removal of valves, plungers and packing for fast, efficient field maintenance. Plungers are colmonoy coated stainless steel or ceramic. The "S" uses inserted type valves suitable for "dirty water".



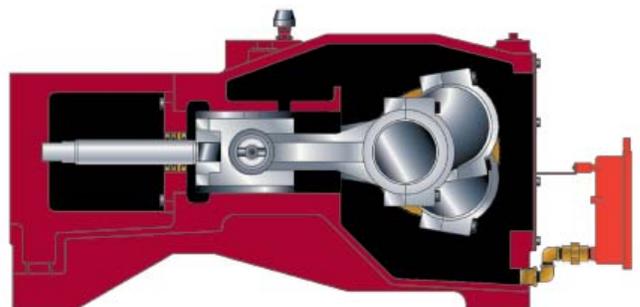
Inline Operation from 15,000 to 20,000 PSI (TF-450HC)

Horizontal, "in line" suction and discharge valves and seats eliminate intersecting bores which can lead to premature fluid end failures at pressures above 15,000 PSI. Gardner Denver Water Jetting offers a unique reconditioning service for valves and seats which adds hundreds of hours of life while reducing operating costs. Plungers are solid polished tungsten carbide resulting in exceedingly long plunger and packing life.



Power End

- ◆ Extra-heavy, steel crankshaft, tapered roller bearings and large cylindrical crossheads assure accurate alignment and long life.
- ◆ All components run in a heavy, precision machined cast iron frame.
- ◆ High-capacity, gravity splash oil system provides even, thorough lubrication.
- ◆ Double-lip baffle seals and splash deflectors avert power end oil contamination.
- ◆ Equipped with oil level sight gauge.



UNIT PACKAGE

Diesel Power

- ◆ Fuel filters, dip stick, oil drain and other service points are conveniently located.
- ◆ Large, convenient engine-mounted instrument panel includes key ignition, vernier throttle control, low oil pressure and high water temperature shut down for maximum engine protection.
- ◆ Engine is equipped with front and rear cowling and a hood for added protection.
- ◆ 100 gallon fuel tank.
- ◆ An 11" or 14" clutched PTO installed between the engine and pump drive permits independent operation of the engine. Sealed pilot bearing eliminates frequent lubrication requirements.

Electric Power

The Multi-Blaster 330 Series can also be equipped with an electric motor. The Model 300E utilizes a 300 HP motor. Motors are available in TEFC, explosion proof or open drip enclosures with a variety of voltages and starting options.

Drive System

The Multi-Blaster 330 Series uses a fully enclosed v-belt drive system that is conservatively rated. It is tolerant of minor misalignment.

Discharge Plumbing

- ◆ Gardner Denver Water Jetting Systems offers a wide variety of adapters to accommodate most applications.
- ◆ Pressure gauge is stainless-steel, glycerine-filled with an internal snubber to extend gauge life.
- ◆ The Inline fluid end includes dual rupture discs for redundant over pressure protection.
- ◆ Standard "L" fluid ends are equipped with stainless steel relief valve and rupture disc assembly.

Suction Plumbing

- ◆ Suction piping is corrosion-resistant and includes a Y-strainer.

Base

The Multi-Blaster 330 Series base is constructed of heavy 8-inch steel channel.

- ◆ Rigid skid design allows unit to be lifted and moved without causing drive misalignment.
- ◆ The entire footprint of the engine and pump are welded directly to structural members providing an extremely strong, low vibration design.
- ◆ The skid surface is quarter-inch thick steel floor plate to create a safer, non-slip work surface and to enhance the structural integrity of the skid.
- ◆ Fork-lift slots are standard on skid units only

OPTIONAL FEATURES

Water Tank. An 120-gallon stainless-steel tank is available.

Suction Dampener. Optional bladder style pulsation dampener minimizes potential for cavitation.

Trailer Mounting. 330 Series units have four-wheel, 8,000-pound tandem axles with heavy-duty tongue, fenders, and hitch with interchangeable couplers to enable towing by almost any truck. Trailer units are safe for highway towing and have an oversized jack for easy vehicle connection. Brakes can be either electric or hydraulic surge.

Engine Throttle Control. Engine is at idle RPM with gun(s) in dump mode. RPM climbs to preset level when gun trigger is depressed.

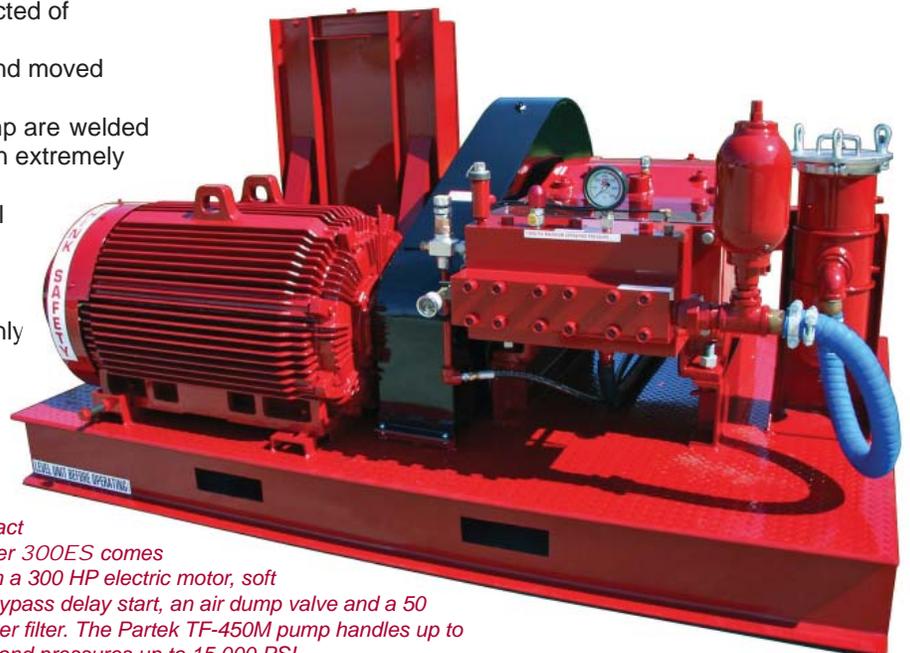
Hoses, Rack & Fittings. Hoses are available in standard 50' (15.2m) sections with a minimum burst of 2.5 times the working pressure. Hose rack made of tubular steel with 150' capacity. Stainless steel quick connect couplers are available for 10,000, 15,000 or 20,000 PSI working pressure. Other lengths available upon request.

Lifting Eyes and/or Bail.

Whisperized® Enclosure. Allows you to use the unit in areas that have noise restrictions. Sound-attenuating enclosure covers the engine.

Filtration. Over-sized stainless steel filter delivers clean water to the pump to increase plunger, valve and packing life. 50 micron filtration is standard for 10,000 PSI; 10 micron is standard for 20,000 PSI, and 1 micron is standard for 40,000 PSI.

Safety Shutdowns. When power-end oil level falls below proper level or inlet water pressure drops below a safe level.



This compact Multi-Blaster 300ES comes loaded with a 300 HP electric motor, soft start with bypass delay start, an air dump valve and a 50 micron water filter. The Partek TF-450M pump handles up to 30.8 GPM and pressures up to 15,000 PSI.

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CUSTOMIZATION

Over the years, customers of Gardner Denver Water Jetting Systems have requested some very specific modifications for our Multi-Blaster water jetting units. From top mounted motors to extra-large water tanks, Gardner Denver Water Jetting Systems is able to build the unit that meets your exact specifications.

Custom systems and options are available. Please contact your Gardner Denver sales representative or authorized dealer for details. Gardner Denver Water Jetting Systems, Inc. offers a complete line of accessories for surface preparation, tube cleaning, jet cutting and other applications. Please call or write for a free catalog today.

Quality Parts, Reasonable Costs

Gardner Denver Water Jetting Systems, Inc. parts are designed and manufactured to fit perfectly and to last. Because every part we design is manufactured by Gardner Denver, each part is inspected to meet our demanding quality standards before it goes into a product or inventory. And with thousands of units in service, parts are manufactured in high volumes to keep your costs low.

	UNIT		PRESSURE		FLOW		PUMP		
	Model	PSI	Bar	GPM	LPM	Model			
Model 300E Electric	300-04	4,000	276	120	454	TF-450SB			
	300-08	8,000	552	60.3	228	TF-450MB			
	300-10	10,000	689	48.1	182	TF-450HC			
	300-15	15,000	1034	30.8	117	TF-450HC			
	300-20	20,000	1379	22.2	84	TF-450HC			
Model 325D Diesel	325-04	4,000	276	120	454	TF-450SB			
	325-08	8,000	552	60.3	228	TF-450MB			
	325-10	10,000	689	48.1	182	TF-450HC			
	325-15	15,000	1034	30.8	117	TF-450HC			
	325-20	20,000	1379	22.2	84	TF-450HC			
Model 360D Diesel	360-09	8,600	593	61	231	TF-450MB			
	360-10	10,000	689	52	197	TF-450HC			
	360-15	15,000	1034	34	129	TF-450HC			
	360-20	20,000	1379	26	98	TF-450HC			
Model 260VSD Diesel	260-10VS	7,500-10,000	517-690	61-40	197-151	TF-450MB			
	260-20VS	20,000	1379	26-20	98-76	TF-450HC			
Model 325VSD Diesel	325-10VS	8,500-10,000	586-690	61-48	231-182	TF-450MB			
	325-14VS	10,500-14,000	723-965	43-28	163-106	TF-450HC			
	325-20VS	20,000	1379	26-22	98-83	TF-450HC			
	UNIT	HEIGHT		WIDTH		LENGTH		WEIGHT	
	Model	In.	mm	In.	mm	In.	mm	Lbs.	Kg
Approximate Weights & Dimensions	Diesel Skid	64	1626	72	1829	168	4267	11,500	5216
	Diesel Trailer	88	2235	96	2438	235	5969	12,500	5670
	Electric Skid	79	2007	72	1829	164	4166	8,000	3629
	Electric Trailer	103	2616	96	2438	228	5791	9,000	4082
	Diesel Trans. Skid	91	2311	72	1829	176	4470	11,800	5352
	Diesel Trans. Trailer	115	2921	96	2438	240	6096	12,800	5806

NOTES:

- Consult factory for other plunger options.
- Flow rates based on 100% volumetric efficiency; ratings may vary according to engine/motor speed.
- Actual brake horsepower required varies and is dependent on pressure rating, displacement, fluid compressibility and both mechanical and volumetric efficiency.

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