



HydroPulse® HPI316



GOFF®
“Blasting Solutions”

WATER BLAST DEGREASING & WASHING

Features

No Doors to Open & Close

No Waiting to Load or Unload

Continuous Production

Gas Fired Heater

Self Cleaning Tank

Two 5 HP Direct Drive Water Wheels

Machine Warranty

100 Lb. Hook Capacity

No High Pressure Pumps

SPECIFICATIONS—HP1316

EQUIPMENT DIMENSIONS

Width	6'3"
Length	14'2"
Height	7'7"

WATER BLAST UNIT

WHEEL: Two (2) 5 HP water wheel units (Standard). The direct drive water wheel rotates at 1750 RPM for maximum water velocity. 14" diameter wheel units are fabricated of stainless steel with six openings 2" long x 1" wide.

WHEEL HOUSING: Fabricated from 1/4" steel plate.

CONTROL NOZZLE: Adjustable for pattern control to direct cleaning areas.

BLAST CHAMBER CONSTRUCTION

WORK HANDLING: Three chambered drum constructed of stainless steel inner panels, steel top, bottom and outer panels.

DRUM DRIVE: Exterior mounted C-face motor and gear reducer powers an HTD (High Torque Drive) for positive slip-proof indexing of the chamber drum.

HOOK SPINDLE: Continual rotation of hook spindle during blasting operation provides full exposure of parts to the blast stream.

HOOK SPINDLE CAPACITY: 100 lbs. per hook.

HOOK SPINDLE SPEED: 9 RPM.

WORK HANDLING CAPACITY: Maximum area provided for material to be blasted is 13" diameter x 16" long..

RETURN PUMP AND SCREEN: Water and dirt from washer is funneled into a basket where 1/8" or larger items are trapped. Basket is easily removed for cleaning. Water and fine dirt are returned to the supply by a flange mounted seal less sump pump. A high level limit switch is provided in case pump should fail. This switch will shut down main feed pump.

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CABINET CONSTRUCTION:

CABINET: Constructed of 1/4" steel with 12 ga. Removable front panels sealed with neoprene for leak and noise control

PUMPS: Vertical centrifugal sump pump is seal less and cast iron constructed with direct coupled T.E.F.C. motors.

PIPING

PIPING FROM PUMP TO WHEEL: is schedule 40 steel with oil resistant, high temperature rubber hose at wheel connection. Hose allows for easy maintenance and pattern adjustments.

TANK CONSTRUCTION

TANK: Constructed of 1/4" steel plate formed and welded. No bottom drains insure against accidental spills and improper discharge of tank contents. The tank is insulated with 1" foam sheets and 16 gauge cover panel. Tank capacity is 250 gallons.

DRAG CONVEYOR SYSTEM: Constructed of 1/4" steel with chain link and synthetic blades continually dragging the bottom of tank move solids to the outside of the tank. The conveyor is driven by a 1/3 HP motor moving at approximately 2-1/2 feet per minute.

HEATER BURNER: Self ignition safety blower burner is used for water heating. A pressure switch senses blower on. Gas pressure and pilot light are monitored before main gas valve is opened for burner ignition. Burner is 300K BTU.

FIRE TUBE: A welded and pressure tested tube channels and transfers heat to water within the tank. System is very efficient with minimum heat loss.

SEPARATOR SYSTEM (optional): is a closed loop design and is operated intermittently (time adjustable) to remove solids from tank area before they accumulate and generate erosion in the washer. A waste hopper is installed below the separator to collect solids. Solids are removed from separator through a valve and into a waste container for easy disposal.

OIL SKIMMER: Fabricated from 1/4" steel with 14" skimmer wheel direct driven by a 1/20 HP motor at 2 RPM. The wheel is continually wiped clean with synthetic wiper depositing the oils and lights in a separate container for disposal.

ELECTRIC MOTORS

Motors are TEFC ball bearing 230/460 volts, 3 phase.

Specifications subject to change without notice.