



# HydroPulse® HP36



**GOFF**®  
*“Blasting Solutions”*

## WATER BLAST DEGREASING & WASHING

### Features

Easy Load & Unload  
Stationary Main Frame  
Gas Fired Heater  
Self Cleaning Tank

7-1/2 HP Water Wheel  
Oscillating Wheel  
2000 Lb. Capacity  
No High Pressure Pumps

# SPECIFICATIONS—HP36

## EQUIPMENT DIMENSIONS

<b>Width</b>	5'
<b>Length</b>	11'
<b>Height</b>	5'8"

## WATER BLAST UNIT

**WHEEL:** One (1) 7½ HP water wheel units (Standard). The direct drive water wheel rotates at 1750 RPM for maximum water velocity. 14" diameter wheel unit is fabricated of stainless steel with six openings 2" x 1" wide.

**WHEEL HOUSING:** Fabricated from ¼" steel plate.

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

## SHELL (CABINET) CONSTRUCTION

**SHELL:** An all welded rolling shell is fabricated of 10 gauge steel setting on easy roll casters to allow for easy opening and closing of work chamber.

## WORK HANDLING SYSTEM

**TABLE:** The 36" diameter work table is constructed of ¼" steel plate. The work table rides on four casters for a total load capacity of 2,000 lbs.

**TABLE DRIVE:** The exterior mounted electric motor and gear reducer are direct driven and transmit through a mechanical drive system allowing table to be lifted straight up for removal. The table revolves at five rotations per minute. Loading height of table is 23" off floor and completely exposed for easy loading and unloading.

**POWER DOOR LOCK:** The power door lock is electrically controlled with finger tip action. The pneumatically operated air cylinder provides locking action of the door.

**MAIN FRAME:** Constructed of ¼" steel plate for an extra sturdy work handling system.

**LUBE SYSTEM:** Manual lubrication system has been mounted for easy lubing of all Delrin High Molecular bearings in table and cabinet shell casters.

**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.

**CAPACITY:** 36" dia. x 33" high, 2,000 lbs.

## REMOTE TANK CONSTRUCTION

**TANK:** Constructed of ¼" steel plate formed and welded. No bottom drains insure against accidental spills and improper discharge of tank contents. The tank is insulated with ¾" foam sheets and 16 gauge cover panel. Tank capacity is 350 gallons.

**DRAG CONVEYOR SYSTEM:** Constructed of 1/4" steel with chain link and synthetic blades continually dragging the bottom of tank moving 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:** A self ignition safety blower burner is used for water heating. Twin thermostat controls offer main temperature control and high limit control. Gas pressure and pilot light are monitored before main gas valve is opened for burner ignition. Makeup water is automatically shut off when burner is turned off.

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

**BURNER:** 300,000 BTU

**SEPARATOR SYSTEM (optional):** is a closed loop design and is operated continuously 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 hopper 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

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

*Specifications subject to change without notice.*

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