



# HydroPulse® HP24



# GOFF®

*“Blasting Solutions”*

## WATER BLAST DEGREASING & WASHING

### Features

Easy Load & Unload

Natural Gas Fired Heater

Offset Water Wheels

Belt Oil Skimmer

Turn Table Design

Self Contained Water Reservoir

Lakos Separator

2 Ea. 7½ HP Water Wheels

Reversing Direct Drive Wheels

Eductor Circulated Water

2000 Lb. Capacity

Heavy Duty Design

# SPECIFICATIONS—HP24

## EQUIPMENT DIMENSIONS

Width	5'2"
Length	11'4"
Height	7'7"

## WATER BLAST UNIT

**WHEEL:** Two (2) 7½ 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 and the wheels are mounted on a main frame as a stationary part of the machine. The wheels are canted, offset and stacked on the slopped end of the cabinet.

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

**CONTROL NOZZLE:** Cast of wear resistant alloy and adjustable for pattern control.

## 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. Push button controls operate the door at the operators station. The door manually moves back for full access to cleaning area allowing loading and unloading from either side or from the top of the machine.

## WORK HANDLING SYSTEM

**TABLE:** The 24" 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 for lubing all Delrin 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.

## WATER SUPPLY (SINGLE TANK)

**TANK:** This self contained unit is the supply, heating and final filtering point for wash water.

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

**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 1" foam sheets and 16 gauge cover panel.

**TANK CAPACITY:** 200 gallon

**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 5" tube channels and transfers heat to water within the tank. System is efficient with minimum heat loss.

**BURNER:** 300,000 BTU

**SEPARATOR SYSTEM:** 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 filter bag is installed below the separator to collect solids. Solids are removed from separator through a valve and into a bag for ease of disposal.

**OIL SKIMMER:** Skimmer with a stainless steel belt powered by a 1/20 HP motor at 3 RPM. The belt 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.

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*Specifications subject to change without notice.*

