

# HydroPulse® HP2SPW





## WATER BLAST DEGREASING & WASHING

# **Features**

Pneumatic Dump

Open Basket Tumble System

**Completely Self Contained Unit** 

5 HP Direct Drive Water Wheel

**Gas Fired Heater** 

No High Pressure Pumps

Auto Oil Skimmer

150 Lb. Capacity

Centrifugal Separator (optional)

# SPECIFICATIONS—HP2SPW

EQUIPMENT DIMENSIONS	
Width	4'5"
Length	5'1"
Height	7'7"
Weight	2500 lb.

# WATER BLAST UNIT

**WHEEL:** One (1) 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 3/4" wide.

**WHEEL HOUSING:** Fabricated from <sup>1</sup>/<sub>4</sub>" steel plate. **CONTROL NOZZLE:** Adjustable for pattern control to direct cleaning areas.

## WORK HANDLING SYSTEM

The work handling system consists of a 24" diameter basket constructed of perforated plate with three blades at the bottom to provide gentle tumbling action insuring all parts are exposed to the cleaning pattern. A ring and pinion gear arrangement driven by a 1/3 HP motor mounted to a 60:1 reduction gear box rotates the basket at 5 RPM.

CAPACITY: 2 Cu. Ft., 150 lbs.

# **CABINET CONSTRUCTION**

**CABINET:** An all welded cabinet is fabricated of 1/4" steel plate. A large access door allows for ease for loading and unloading parts.

**PNEUMATIC DUMP:** Two momentary push buttons located at the operator station, controls a pneumatic actuator to allow the basket to be rotated from run to dump positions or stopped anywhere between for inspection or loading.

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

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#### PIPING

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

# TANK CONSTRUCTION

**TANK:** Constructed of 1/4" steel plate formed and welded. Tank is insulated with 3/4" foam sheets and 14 gauge cover panel. Tank capacity is 150 gallons

**BURNER:** A self ignition safety blower burner is used for water heating. Twin thermostat controls offers high and low limits.. A pressure switch senses blower on. Gas pressure and pilot light are monitored before main gas valve is opened for burner ignition.

**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

**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.

## HydroPulse® 5 HP Water Wheel



