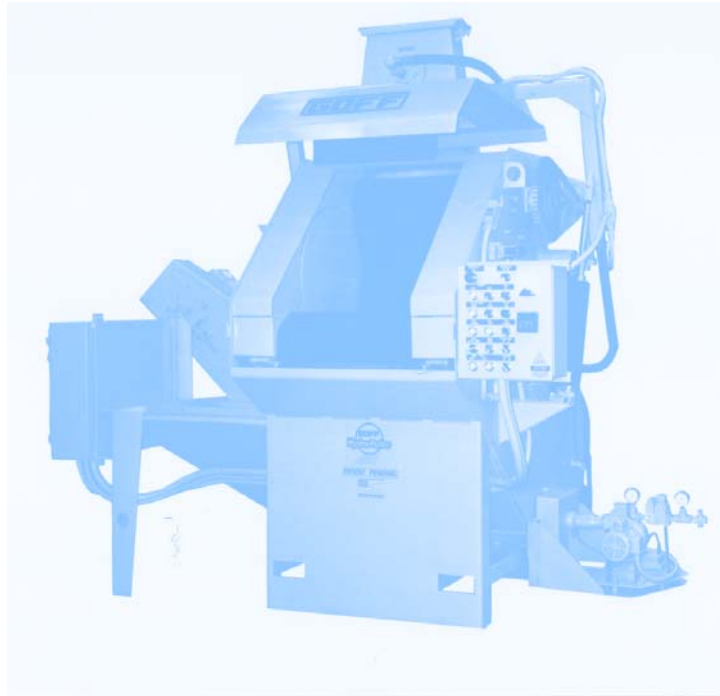




# HydroPulse® HP3 Batch Tumbler



# **GOFF**®

*“Blasting Solutions”*

## WATER BLAST DEGREASING & WASHING

### Features

Power Door

Unique Flight and Link Tumble System

Completely Self Contained Unit

7-1/2 HP Direct Drive Water Wheel

700 LB. Capacity

Gas Fired Heater

No High Pressure Pumps

Auto Oil Skimmer

Auto Drag System

Self Cleaning Tank

# SPECIFICATIONS—HP3

## EQUIPMENT DIMENSIONS

Width	5'11"
Length	9'
Height	6'11"

## WATER BLAST UNIT

**WHEEL:** One (1) 7-1/2 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.

## WORK HANDLING SYSTEM

The work handling system is a uniquely designed flight and link arrangement. The link is cast iron with a stainless steel 9/16" pin and cotter pin. The flight is formed of 10 gauge plate. This design allows for a soft tumbling action, yet is strong, highly wear resistant and durable. Each flight is bolted to a link on each end with two stainless steel 3/8" bolts. Optional soft flights are compressed rubber over steel allowing a tight mill for extra small parts or cushioning for delicate parts.

**CAPACITY:** 3 Cu. Ft., 700 lbs.

**MILL SPEED:** 11 feet per minute.

**MILL DRIVE:** Motor is direct coupled to a gear box mounted on the rear of the cabinet. The conveyor shaft is then driven by a chain and sprocket arrangement. For jam protection a shaft mounted torque limiting clutch is used.

## CABINET CONSTRUCTION

**CABINET:** An all welded cabinet is fabricated of 1/4" steel plate. A large access door is located in the rear of the machine for conveyor replacement and access to interior parts of cabinet.

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**POWER DOOR:** Push button controls at operator station operate two 3-1/4" pneumatic cylinders. Door is lifted up and back for full access to mill area. Kick plates inside of door prevent parts from wedging between the door and mill.

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

## 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

**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.

**SEPARATOR SYSTEM:** (Optional) 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.

**HEATER BURNER:** A self ignition safety blower burner is used for water heating. Twin thermostat controls offers on and off 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.*