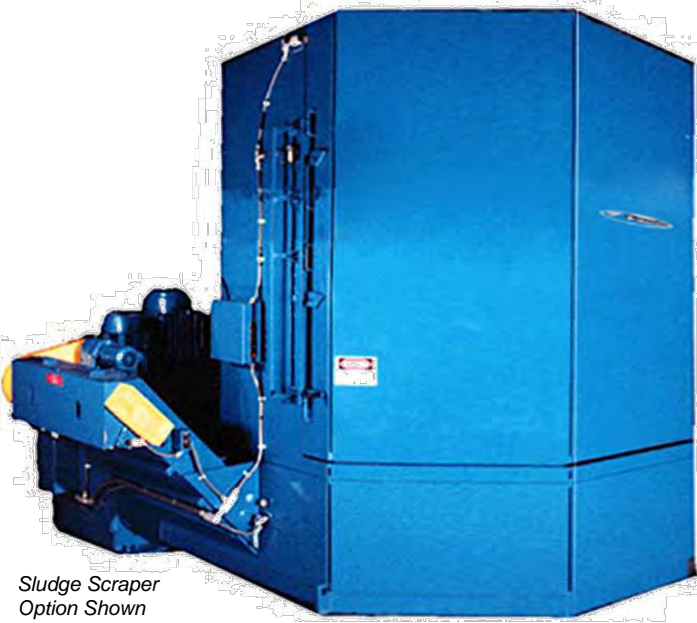


# STINGRAY 10090 CLAMSHELL

## SPECIFICATIONS

### Standard Features & General Construction:

**Green** Technology: Closed Loop Zero Discharge  
 ClamShell Door Design for Maximum Turntable Access  
 Electronic Water Level Control & Refill  
 Oscillating Wash Manifold to Maximize Cleaning  
 Easy to Service Wash Pump Suction Strainer  
 Adjustable Electronic Temp Control, Temp Gage  
 Control Transformer External of Panel minimizes Heat  
 Programmable 24 Hour 7 Day Clock  
 Low Water Shut-Off Protects Pumps & Heating System  
 Electronic Door Safety Interlock  
 Wash Cycle Timer with Auto Reset  
 Heavy gage 1/4" Sheet Steel Cabinet Thickness  
 230 V or 460 V- 60 Hz 3-Phase with 120 V Controls  
 Chemical Resistant Two Part, 3 mm Epoxy Coating



Sludge Scraper  
Option Shown

### Spray Manifold:

#### OSCILLATING NON- SYNCHRONOUS

Angle of Oscillation:	40 degrees
Frequency of Oscillation:	4 per minute
Number of Wash Nozzles:	32
Type of Nozzle:	Vee-Jet
Nozzle Material:	316 Stainless
Nozzle Spray Pattern:	25 degrees

### Overall Dimensions:

Width: (Std Unit)	235 inches
Depth: (Std Unit)	144 inches
Height:	160 inches
Empty Weight:	25,300 lbs
Reservoir Capacity:	994 gallons
Quadroplex:	Add 77 gallons
Sludge Capacity:	180 gallons

### Work Area Dimensions:

Turntable Diameter:	100 inches
Work Height:	90 inches
Table Load Capacity:	28,000 lbs
Heavy Duty Capacity:	60,000 lbs

### Heat System:

Operating Temperature:	180 degrees F
Initial Heat-Up Time:	120 Minutes
Electric Heat Element Size:	120 kW
Gas/Propane Eclipse 80% Eff:	990,000 BTU/hr
Equivalent Electric Heat:	230 kW

### Electrical:

Wiring Standard:	NFPA 79	Motor Rating:	Continuous Duty
Motor Starters:	Across the line	Motor Enclosures:	TEFC
Short Circuit Protection:	Std	Electrical Enclosures:	NEMA 12
Overload Protection:	Std	Wiring Conduit:	Flex- Non-Metallic
Motor Type:	Energy-Efficient	Conduit Type:	Liquidtight NEMA12

### Pump System & Performance:

High Efficiency, Rated for continuous duty (20 Start/hour without overheating), vertical, centrifugal, seal-less, balanced, enclosed impeller.

**Note: All performance data taken at nozzle discharge.**

#### STANDARD (Duplex):

	32 Nozzles
Pump System	<b>70 hp</b>
Total System Flow:	502 gpm
Flow per Nozzle:	15.7 gpm
System Pressure:	152 psi
Blast Velocity:	156 ft/sec

#### OPTIONS (Quadroplex):

64 Nozzles	48 Nozzles
<b>140 hp</b>	<b>140 hp</b>
1004 gpm	860 gpm
15.7 gpm	19.9 gpm
152 psi	190 psi
156 ft/sec	198 ft/sec

Results may vary based on machine configuration.



**STINGRAY MANUFACTURING**  
 2450 Adie Road • St. Louis, MO 63043 USA  
 Phone: (314)447-9000 • Fax: (314)447-0909  
 Email: sales@stingwash.com • www.stingwash.com