

STINGRAY 10090 CLAMSHELL SPECIFICATIONS



Standard Features & General Construction:

- Oscillating Manifold:** Non-Synchronous to the Turntable - Maximizes Cleaning.
- Clamshell Door Design:** Allows for Maximum Turntable Access.
- Closed-Loop, Zero Discharge Cleaning Process:** Environmentally Friendly.
- Heated Fresh Water Rinse:** Removes Residual Detergent (Optional).
- Automatic Steam Exhaust:** Facilitates Flash Drying of Parts.
- Non-Intersecting Stainless Steel V-Jet Nozzles:** Blasts Parts Clean.
- Heavy 1/4" Plate Steel Cabinet.**
- Electronic Water Level Control:** Maintains Proper Solution Level.
- Programmable 24-Hour 7-Day Clock:** Delivers Simple Operation.
- Wash Cycle Timer with Auto Reset:** Effortless Cleaning Cycle Programming.
- Easy Access Solution Tank:** Delivers Trouble-Free Maintenance.
- Electronic Door Safety Interlock:** Prevents Operation if Switch Fails.
- StingRay Blue, 2-Part, 3 mil Epoxy Coating:** Withstands Cleaning Chemicals.
- Adjustable Electronic Temp Control, Temp Gauge, Digital 2-Line Display**
- Control Transformer External of Panel:** Minimizes Heat.
- Low Water Shut-Off:** Protects Pumps & Heating System.
- Quality Conforms to ISO9001 and OSHA-Compliant**

Power Blast 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

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

Base Machine Work Area Dimensions:

Turntable Diameter:	100 inches
Cleaning Work Height:	90 inches
Turntable Height above Floor:	47.5 inches
Table Load Capacity:	28,000 lbs
Heavy Duty Capacity:	60,000 lbs

Base Machine Overall Dimensions:

Width: (Std Unit)	160 inches
Depth: (Std Unit)	133 inches
Height:	153 inches
Empty Weight:	25,300 lbs
Reservoir Capacity:	668 gallons
Quadroplex:	Add 77 gallons
Sludge Capacity:	160 gallons



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	70 hp
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
140 hp	140 hp
1004 gpm	860 gpm
15.7 gpm	19.9 gpm
152 psi	190 psi
156 ft/sec	198 ft/sec



Results and Dimensions 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