



CAGE/RACKWASHER

PRODUCT DESCRIPTION

The **SMC Model RW6290** Series is a heavy duty high capacity, hydro spray washer specifically designed to clean and sanitize animal cages, racks, pans and other items ancillary to the care of laboratory animals.

The **QuickWash™** option is available on all RW6290 Models. With this option, a full load of cages can be processed in under 10 minutes.



Model RW6290W



Model RW6290

**Free Lifetime Tech Support...
No Service Contract Required.**

STANDARD FEATURES:

- Oscillating jet spray header system
- Automatic self-flushing debris strainer
- Intrinsic door safety
- Microprocessor control
- Tempered safety glass windows with interior illumination
- Insulated exterior
- Positive door gasketing
- Wash and rinse temperature guarantees
- Personnel safety system
- Compartment emergency stop cable
- Programmable security access
- Operator interface: color touch screen
- Left or right side service installation
- Integral drip gutters
- Automatic exhaust damper
- Discharge cooling - non monitored
- Pneumatically operated valves
- Low voltage intrinsically safe controls
- Training on machine operation

CONSTRUCTION:

- All stainless steel construction
- 10 H.P. stainless steel treatment pump on basic model
- Removable stainless steel floor grid
- Stainless steel thermocouples with panel readout
- Electronic water level controls with removable probes
- All electrical devices UL rated
- Removable stainless steel steam coil
- Stainless steel spray jets
- Non-proprietary components

ACCESSORIES

- Feeder bottle washing carts
- Universal wash carts
- Cage processing racks
- Pan processing racks
- Feeder bottle baskets



The LEED® (Leadership in Energy and Environmental Design) Green Building Rating System is the nationally accepted benchmark for the design, construction, and operation at high performance green buildings.

RW6290

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MODEL	CAPACITY	CHAMBER SIZE (W x H x D)	EXTERNAL OVERALL SIZE (W x H x D)
RW6290	100 Typical Mouse Cages	46" x 85" x 92" 117 x 216 x 234 cm	85" x 104" x 96" 216 x 264 x 244 cm
RW6290L	150 Typical Mouse Cages	46" x 85" x 140" 117 x 216 x 356 cm	85" x 106" x 144" 216 x 269 x 366 cm
RW6290W	200 Typical Mouse Cages	72" x 85" x 140" 183 x 216 x 356 cm	111" x 104" x 144" 282 x 264 x 366 cm
RW6290DL	200 Typical Mouse Cages	46" x 85" x 188" 117 x 216 x 478 cm	85" x 104" x 192" 216 x 264 x 488 cm
RW6290PC1	1 Primate Rack	46" x 95" x 92" 117 x 241 x 234 cm	85" x 132" x 96" 216 x 335 x 244 cm
RW6290PC3	3 Primate Rack	46" x 95" x 180" 117 x 241 x 457 cm	85" x 132" x 184" 216 x 335 x 467 cm

UTILITY REQUIREMENTS	RW6290
ELECTRICAL	3 ph, 60 hz, 12 hp (9 kw)
STEAM	1 1/2" FPT 30-80 PSI (207-552 kPa) 600 lbs. (272 kg)/Hr
CONDENSATE	1" FPT
HOT WATER	1 1/2" FPT 35 PSI (241 kPa) 140-180 Deg F (60-82 Deg C) 200 Gal/Load
DRAIN	2" FPT 180 Deg F (82 Deg C) Max 120 GPM (454 LPM) Max
EXHAUST	12" (30 cm) Dia 180 Deg F Saturated 600 SCFM (18 m ³ /m)
COMPRESSED AIR	1/2" FPT 80 PSI (552 kPa) 4 SCFM (.11 m ³ /m)
COLD WATER (OPTIONAL)	1" FPT 35 PSI (241 kPa) 25 GPM (95 LPM)

QuickWash™

When an SMC washer equipped with QuickWash™, it will also run all traditional cycles including alkaline and acid wash, acid soak, multiple rinses, and so on.

The unit is equipped with a separate set of headers and jets, sized appropriately and mounted alongside of the normal reciprocating headers. These jets are fed with fresh hot water from your house supply, heated through the onboard heat exchanger. The heat exchanger steam supply is controlled by the modulating steam valve that is under the control of the machine microprocessor, and which guarantees water to be delivered at the set temperature [up to 200°F (93.3°C)].

The unit begins with a sump full of water. Detergent is added to this water, and the unit runs a wash cycle phase with full pump spray and sump heating. Typical duration would be 3-5 minutes. When the wash cycle phase is complete, the unit immediately begins to spray fresh clean hot water from the rinse jet headers onto all load surfaces. Typical duration is 3 minutes, at a temperature up to 200°F. While the unit is rinsing, approximately one-half (25 gallons/95L) of the solution in the sump is drained out through the self-flushing debris strainer. The rinse water falls into the sump, refreshing the wash solution and preparing the sump for the next load. When the next load commences, the detergent concentration is corrected and the cycle continues as above.

So, as you can see, wash solutions are partially re-used but continually refreshed. Total water usage in this mode will be about 25 gallons (95L) per cycle. This system's flexibility combined with our appropriate technology, self-diagnostic systems, non-proprietary parts and 24/7 free technical support, provide for our customers **the lowest-cost and highest up-time solutions in the business.**



OPTIONAL FEATURES:

- QuickWash™ capability with fresh water final rinse
- Pass-through operation
- Low steam pressure - below 30 PSI
- Drain discharge cool down monitored
- Aesthetic side enclosure
- Special spray configurations
- Automatic water rack flush system
- Floor mount with exterior ramps
- Seismic restraints
- Barrier wall flange(s)
- Door interlocks
- Exhaust fan
- Hot water heat exchange
- Recyclable detergent/acid systems
- Integral air compressor
- Vent condenser
- Interior ramp for rack tilting
- Fresh water final rinse
- Strip chart printer with paper take-up
- Integral pan washing
- Custom cabinet sizes
- Data interface options
- Drying system