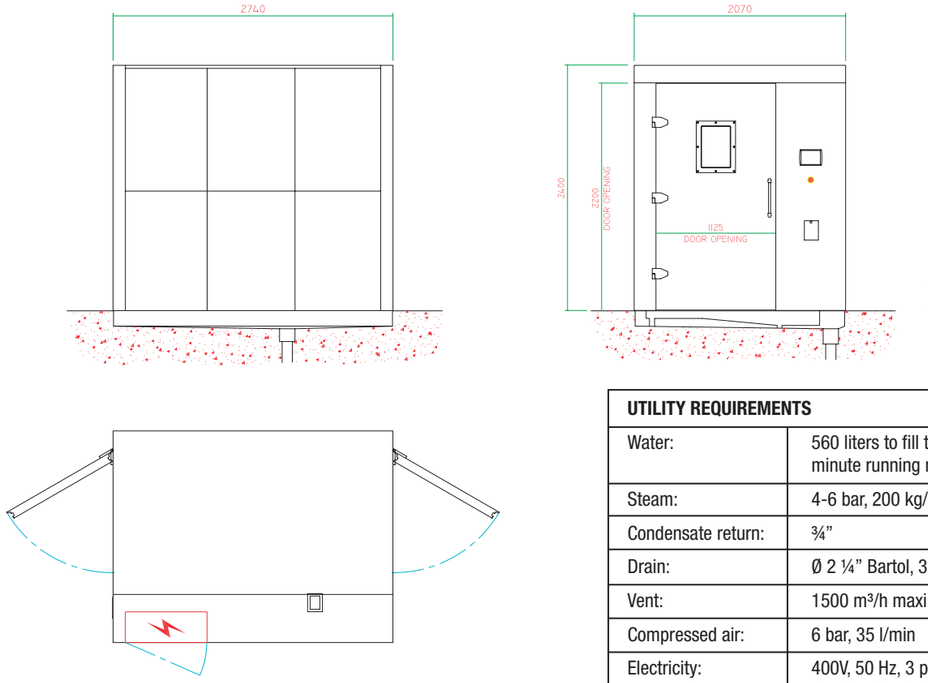

Layout and measurments for the Cage & Rack Washing System.

UTILITY REQUIREMENTS	
Water:	560 liters to fill tanks at start up. 41 litres per minute running rinse cycle.
Steam:	4-6 bar, 200 kg/h
Condensate return:	¾”
Drain:	Ø 2 ¼” Bartol, 3.3 l/sec
Vent:	1500 m³/h maximum
Compressed air:	6 bar, 35 l/min
Electricity:	400V, 50 Hz, 3 phase + n + earth, 78 kW when electrical heated 400 V, 50 Hz, 3 phase + n + earth, 12 kW, when steam heated

Additional Systems and Support

In addition to the innovative solutions that the DETACH System delivers, DETACH also provides you with an extensive offering of complementary products, systems, and services that allow you to take advantage of our integrated approach.

DETACH Automated Cage TW and Bedding Processing System

Designed and manufactured in Sweden, DETACH provides a Tunnel Washer based automated system for the washing of cages and related items, incl bedding management, used in the care of laboratory animals.

Ymer Automated Cage CW and Bedding Processing System

Designed and manufactured in Sweden, DETACH provides a Cabinet Washer based automated system for the washing of cage bottoms, incl bedding management, used in the care of laboratory animals.

Frej and Freja Bottle Processing Systems

Designed and manufactured in Sweden, DETACH provides a range of bottle processing equipment that is designed for semi automated or automated handling, de-capping, emptying, washing, filling and re-capping of feeder bottles and sipper tubes used in the care of laboratory animals.

DETACH Vacuum System for Bedding Management

Designed and manufactured in Sweden, DETACH provides a range of bedding management equipment that is designed for manual or automated handling of soiled and clean bedding used in the care of laboratory animals.

DETACH Service

Service and support is a very important part of the DETACH organization. Our personnel have built up strength and expert knowledge that has come from the continuous support of all our systems that are all over the world for over a decade.

DETACH operate excellent planned maintenance contracts covering all areas.

DETACH
The Original - since 1996

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DETACH DYNAJET Cage & Rack Washing System

Cage and Rack Washing featuring state of the art design and construction from Dynajet. Washing specialists with over 40 years of engineering experience and development.

DETACH
The Original - since 1996

DETACH DYNAJET Cage & Rack Washing System

DETACH DYNAJET Cage & Rack Washing System is a heavy duty, large capacity, fully automatic hydro spray washer designed for thorough, efficient cleaning of cages, racks and miscellaneous items used in the care of research facilities.

CONSTRUCTION

The base, wash chamber, sump and tanks are of stainless steel construction. Washing chamber sections are flanged, sealed and bolted to eliminate any possibility of leakage. The base and chamber sump is one piece welded construction. Chamber sides and door is

double wall insulated construction. Door is equipped with an inflatable sealing gasket, locking mechanism and heavy duty hinges. Wash chamber floor consists of a heavy-duty stainless steel grating covering the entire load area, easily removable for cleaning or maintenance.

The steam version of the machine has stainless steel coil heating systems in the wash tank and rinse tank complete with thermal control, condensate return and steam traps.

The Jet System for washing and rinsing consists of five horizontal spray arms mounted along each side of the washer chamber oscillating in a vertical axis to offer outstanding cleaning power.

All the wash and rinse pipe work is completely separate from tank to jet to ensure there is no risk of contamination.

Detergent injection ports and dry electrical contacts for installation of automatic detergent injection pumps are included.

All process operations and functions are PLC controlled and monitored automatically. Cycle phase times, temperatures and other key process parameters are programmable.

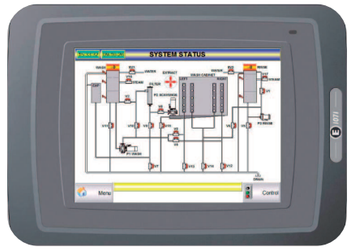
A menu of treatment processes is provided to operating personnel to accommodate a wide variety of load and processing requirements via a graphic touch screen display.

Optional H_2O_2 Decontamination System.

CHAMBER LOAD CAPACITY

Clear load maximum dimensions for standard machine: 1125 x 2500 x 2200 mm (W x L x H mm). For other sizes, please contact DETACH.

User friendly graphic touch screen color display. Pre-set cycles for operators to choose from. All controlled from a standard Siemens or Mitsubishi PLC.



STANDARD FEATURES

- Right- or Left-Hand Controls & Service
- Tanks mounted to Left or Right
- Steam or Electrical Heated
- Pneumatic door seals provide a perfectly sealed and controlled wash environment
- Solid, double skinned construction to provide the most hygienic, energy efficient wash cabinet possible
- Simple to use operator interface complete with touch screen and graphics presentation system gives pinpoint control, accuracy and data recording
- Multiple cycle wash options included
- An accurate jetting system gives the best possible cleaning performance
- Side mounted tanks for easy service access and shallow 150 mm (6”) pit
- World-wide spares and service
- Automatic filter cleaning system
- Interior Cabinet Light
- Tempered glass observation window 305 x 305 mm (12”x12”)

OPTIONS

- Second door for pass-through operation
- Extract fan
- Ramps for on floor mounting
- Detergent dispensers
- H_2O_2 connections
- Drying cycle
- Split manufactured delivery where access is awkward
- Printer for wash data recording site conditions
- Acid Detergent System
- Automatic Water Rack Flush System
- Pre wash tank
- pH Neutralization and Detergent Monitoring System
- Seismic Tie Down
- Integral panel mounted printer
- Barrier Wall Flange Assembly

ACCESSORIES

- Bottle Washing Cart
- Cage Wash Cart
- Large Cage Wash Cart
- Internal tilt mechanism to remove standing water from cages before exit

CYCLE DESCRIPTION

Pre-Wash (optional):
Water from the final rinse of the previous cycle is re-circulated through the jet system under pump pressure and pumped to drain upon completion.

Wash:
Hot detergent water from the wash tank is pumped through the jet system. Detergent is added using optional or customer-supplied detergent injection pump, if necessary. At the end of the treatment, the water is either returned to the tank or pumped to drain at the discretion of the operator. Wash duration adjustable.

Final Rinse:
Hot water at 87°C from the rinse tank is pumped through the jet system under pump pressure. At the end of treatment water can be used as the pre-wash water for the subsequent load or sent to the wash tank as required.

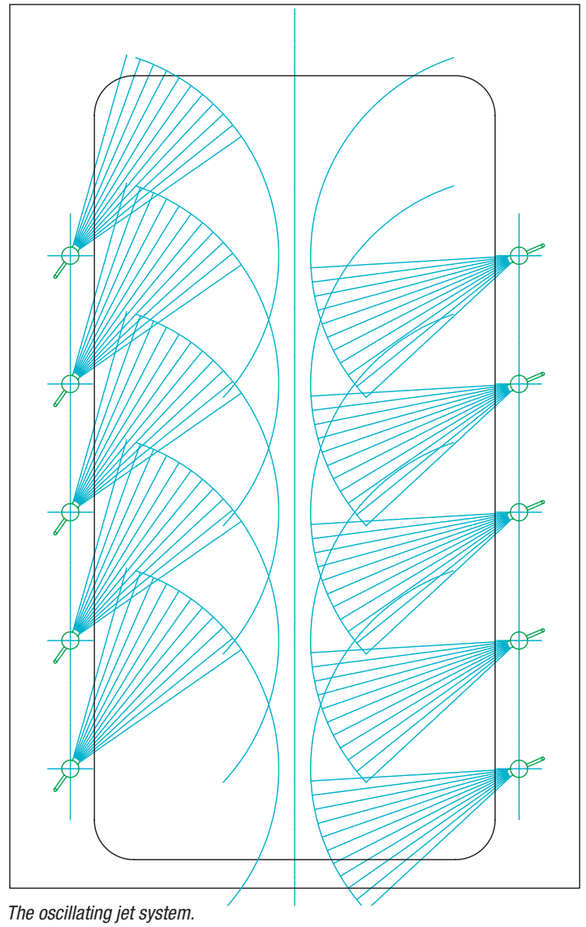
Exhaust:
Unit stands idle with door gaskets deflated for a sufficient length of time to remove the residual vapors and cool the contents. Exhaust duration adjustable.

Drying (optional):
A powerful fan will recirculate hot air around the washer cages to dry the contents in the least possible time.

JET SYSTEM

The jet system consists of 5 vertical bars mounted horizontally down each side of the chamber oscillating in a vertical axis to offer outstanding cleaning power.

All the wash and rinse pipe work is completely separate from tank to jet to ensure there is no risk of contamination.



The oscillating jet system.

SAFETY FEATURES

A Red safety bar is installed inside the wash chamber. If the bar is depressed, the operation of the unit is immediately stopped. The alarm must be acknowledged, the bar reset in position and the Cycle Start button pressed to resume operation.

Machine will not run with door in open position. Emergency push button on operator panel will stop all operation of the unit.

CE-marked for safety assurance to 93/465/EEC.

Compliant with BS2771, EN60204, EN12100, EN349, EN294, EN418, EN60204.