

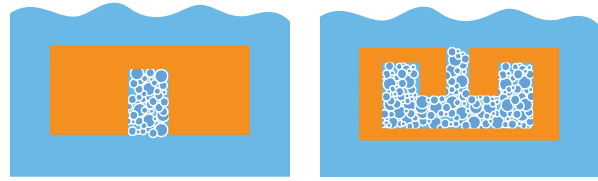


Amsonic Carousel-CX

***Compact water based revolver-system
for precision cleaning***

Vacuum cleaning with water solutions

We, as a cleaning systems manufacturer, have made it to our purpose to help you in your development. Optimizing the components may pose a challenge to the following processes. Mostly this is referred to the complexity of the geometrical shapes and blind holes. That's the exact reason why we developed the CX technology "vacuum cleaning". No matter how complex your product is or what surface has to be cleaned, our product can handle your needs.



- CX can even reach shadow areas and blind holes
- Provides superb cleaning results for sophisticated 3-dimensional products

Examples for usage

- Cleaning of complex geometrical constructions with blind holes & capillaries
- Micromechanics / Medical technology / Orthopedics / Watch industry / Electronics
- Epilamization
- Service centers for watches / jewelry



Control unit Type CU -3000

- User friendly programming options for cleaning cycles
- 100 Programmes over 30 phases
- Visualisation of the process
- Option to safe the alarm
- Option to safe the process data for statistics; histories and assurance for the quality of the cleaning
- Software according to 21 CFR part 11



Cleaning programm (examples)

- Tank 1: Cleaning with ultrasonic
- Tank 2: Cleaning or rinsing with ultrasonic
- Tank 3: Cleaning or rinsing with ultrasonic
- Tank 4: Cleaning or rinsing with ultrasonic
- Tank 5: Rinsing
- Tank 6: Heating filtrated F7 or HEPA13



Technical specifications

System description

Tanks	5 x water, 1 x drying unit
Rotation	Rotation clockwise and anti-clockwise
Centrifugation	Settable speed: 80 up to 3000 rpm
Movement of goods	Adjustable
Ultrasonic	1 Head per tank, 50 Watt (configurable 50 till 100%)
Frequencies	25, 30, 40, 80, 120 kHz or Multi-Frequencies (40/80/120kHz)
Generator US	1 per Tank (depend on frequency), max. 3
Ultrasonic equipment	1 standard, +3 optional, max. 4
Tank heater	75°C max, programmable
Hot air drying	145°C max., 60 m ³ /h, Airflow configurable 20 – 100%, monitored
Tube cover	Tightly sealed (patented)
Slide door	with safety monitoring
Dripping pan	Integrated
Max. load	0,5 kg
Connection value	230V N + PE / 50Hz / 2,3 kVA
Measurements	approx. 750 x 750 x 1350mm (L x W x H)
Weight	approx. 130 kg
Tank volume	ca. 2 l
Suction	70m ³ /h
Able to operate and control via touchscreen	
5 User Levels for usage/ all are programmable	
Level emitting of the Tanks	

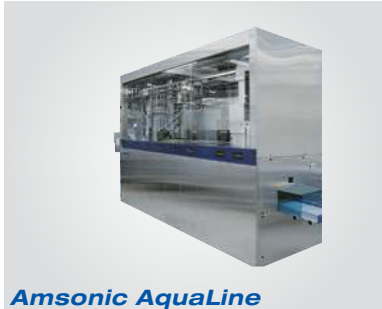
Options

Vacuum function with cyclic extraction (20mbar absolut)
Heated tanks
Conductivity measurement
Printer
Barcode Scanner
Supervisory Control And Data Acquisition (SCADA)

Basket dimensions

Basket sizes	Ø 80 or Ø 100 mm with cover
Height	40 – 80 mm
Bajonette lock	

Your centre of competence for precision cleaning



Amsonic AquaLine

Hamo/Amsonic offers a wide range of water-based and closed circuit A3 solvent based cleaning units that provide thorough cleaning processes for various industrial sectors:

Water-Based Precision Cleaning Equipment (Ultrasonic)

Amsonic AquaLine / ModuLine

High performance-Ultrasonic-Precision-Cleaning equipment



Hamo 210

Water-Based Spray Cleaning systems

Hamo 210 / 420 / 840

Spray-cleaning and drying equipment for life sciences- and medical-devices applications



Hamo PG 800

Pharma-Conform Spray Cleaning systems (cGMP)

Hamo PG 800 / 1300

Pharma-Conform (cGMP) Cleaning equipment in single or double door execution (Bio Seal)

Amsonic Hamo HPM

High pressure cleaning systems (>80 bar) for pharmaceutical application



Amsonic 400 R

Solvent-Based Precision Cleaning Equipment

Amsonic 400 R Serie

Solvent-based Ultrasonic equipment (Class A3) Cleaning under vacuum, above or below flash point

Detergents / Additives

Amsonic PreciClean / Hamo liquid

Water based detergents



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