



Product Catalogue 2013-2014

## THE BIONIC SERIES

### 100% BIOLOGICAL WATER RECLAIM

for the carwash industry



#### ABOVE GROUND STANDARD SYSTEMS

##### **Bionic 20**

Capacity 500 GPH / 2.000 Ltr/h

1 bioreactor, 1 frame with 1 cyclone

Total dimensions: 1300 x 1400 x 1975 mm

##### **Bionic 40**

Capacity 1000 GPH / 4.000 Ltr/h

2 bioreactors, 1 frame with 2 cyclones

Total dimensions: 1300 x 2200 x 1975 mm

##### **Bionic 60**

Capacity 1500 GPH / 6.000 Ltr/h

3 bioreactors, 1 frame with 3 cyclones

Total dimensions: 1300 x 3000 x 1975 mm

##### **Bionic 80**

Capacity 2000 GPH / 8.000 Ltr/h

4 bioreactors, 1 frame with 4 cyclones

Total dimensions: 1300 x 3800 x 1975 mm

##### **Bionic 100**

Capacity 2500 GPH / 10.000 Ltr/h

5 bioreactors, 1 twin frame with 5 cyclones

Total dimensions: 1300 x 5100 x 1975 mm

##### **Bionic 120**

Capacity 3000 GPH / 12.000 Ltr/h

6 bioreactors, 1 twin frame with 6 cyclones

Total dimensions: 1300 x 5900 x 1975 mm

##### **Bionic 140**

Capacity 3500 GPH / 14.000 Ltr/h

7 bioreactors, 1 twin frame with 7 cyclones

Total dimensions: 1300 x 6700 x 1975 mm

##### **Bionic 160**

Capacity 4000 GPH / 16.000 Ltr/h

8 bioreactors, 1 twin frame with 8 cyclones

Total dimensions: 1300 x 7500 x 1975 mm

#### **Hydro-Cyclone**

Particle separation 5 micron,  
capacity 2.000 Ltr, height 500 mm



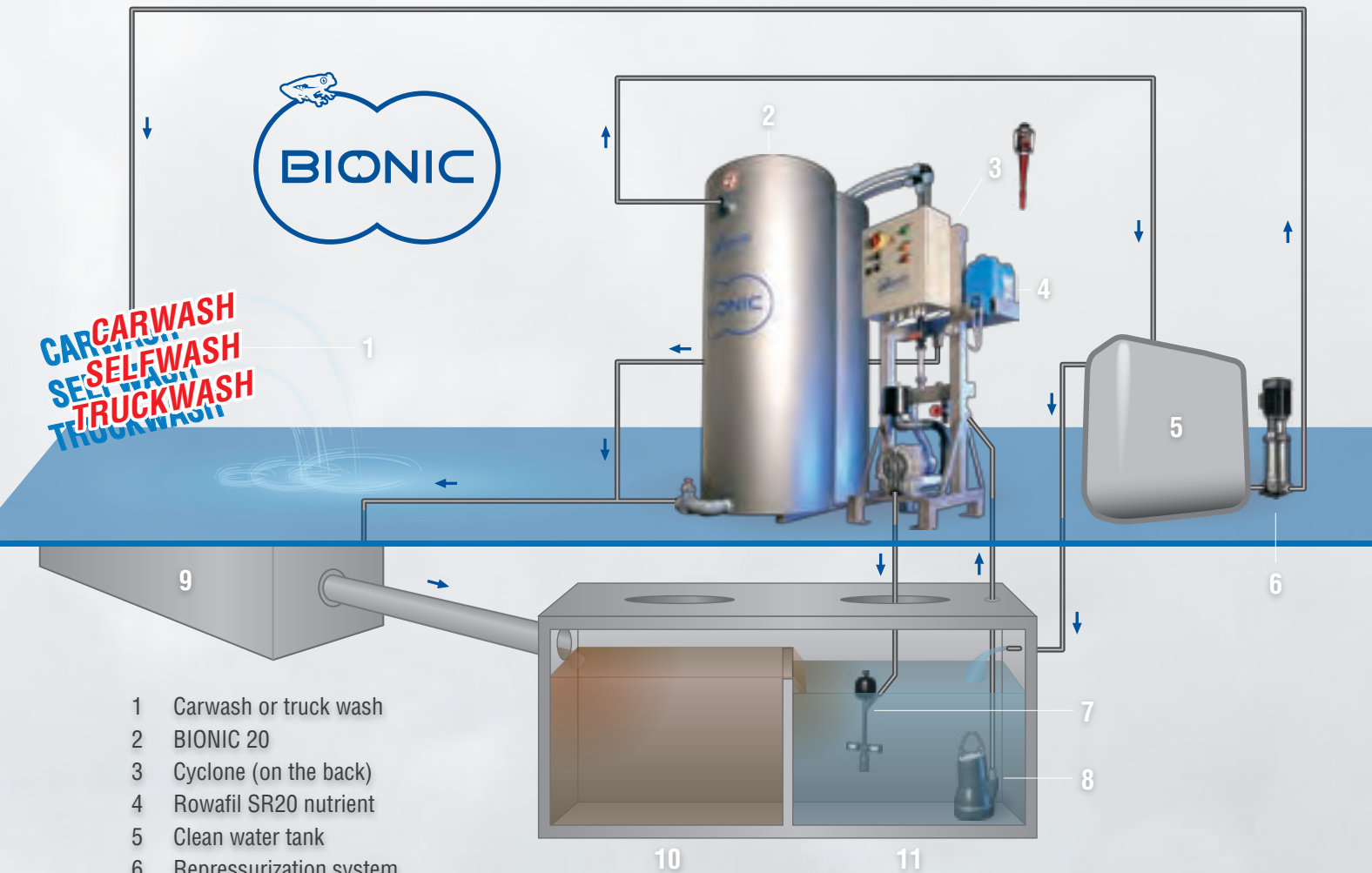
#### **Nutrient SR20**

Nutrient can 10 Ltr,  
with dosage pump





# STANDARD ABOVE GROUND INSTALLATION



## THE BIONIC CONTAINER SERIES

THE FULL BIOLOGICAL WATER RECLAIM  
for the carwash industry, economical solution



### Bionic 20 CS

Capacity: 2.000 Ltr/h  
1 Bioreactor and accessoires  
Total dimensions:  
750 x 750 x 2.000 mm



### Bionic 40 CS

Capacity: 4.000 Ltr/h  
2 Bioreactor and accessoires  
Total dimensions:  
750 x 1.600 x 2.000 mm

## STANDARD ABOVE GROUND INSTALLATION





## THE GRU PARTIAL RECLAIM

The GRU systems only take out all the particles in the water. This water can be used for high pressure pre-washing. A small air blower will prevent bad smell in the tank.



### GRU 4000

Capacity: 4.000 Ltr/h  
1 Tank, 2 Cyclones.  
Total dimensions:  
1.800 x 750 x 2.000 mm

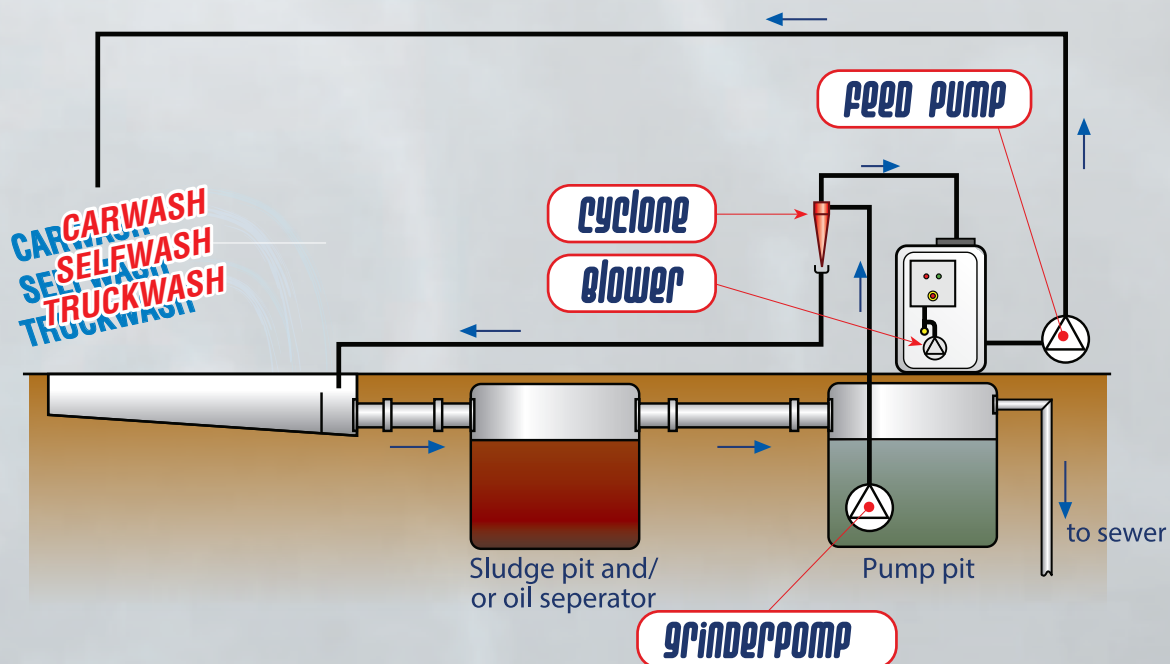
### GRU 8000

Capacity: 8.000 Ltr/h  
1 Tank, 4 Cyclones.  
Total dimensions:  
1.800 x 750 x 2.000 mm

### GRU 16000

Capacity: 16.000 Ltr/h  
2 Tanks, 8 Cyclones.  
Total dimensions:  
1.800 x 1.600 x 2.000 mm

## STANDARD ABOVE GROUND INSTALLATION



## THE ROTONIC SERIES

100% BIOLOGICAL WATER RECLAIM  
for big carwash sites with tunnels



### R tonic 300

Capacity: 30.000 Ltr/h.  
7.000 Ltr rotating bioreactor.  
1 plate separator.

### R tonic 450

Capacity: 45.000 Ltr/h.  
10.000 Ltr rotating bioreactor.  
2 plate separators.

**The R tonic uses frequency controlled grinderpumps who gear up and down with the water demand of the tunnel.**

# ROTONIC

— NOT AFRAID OF DIRT —

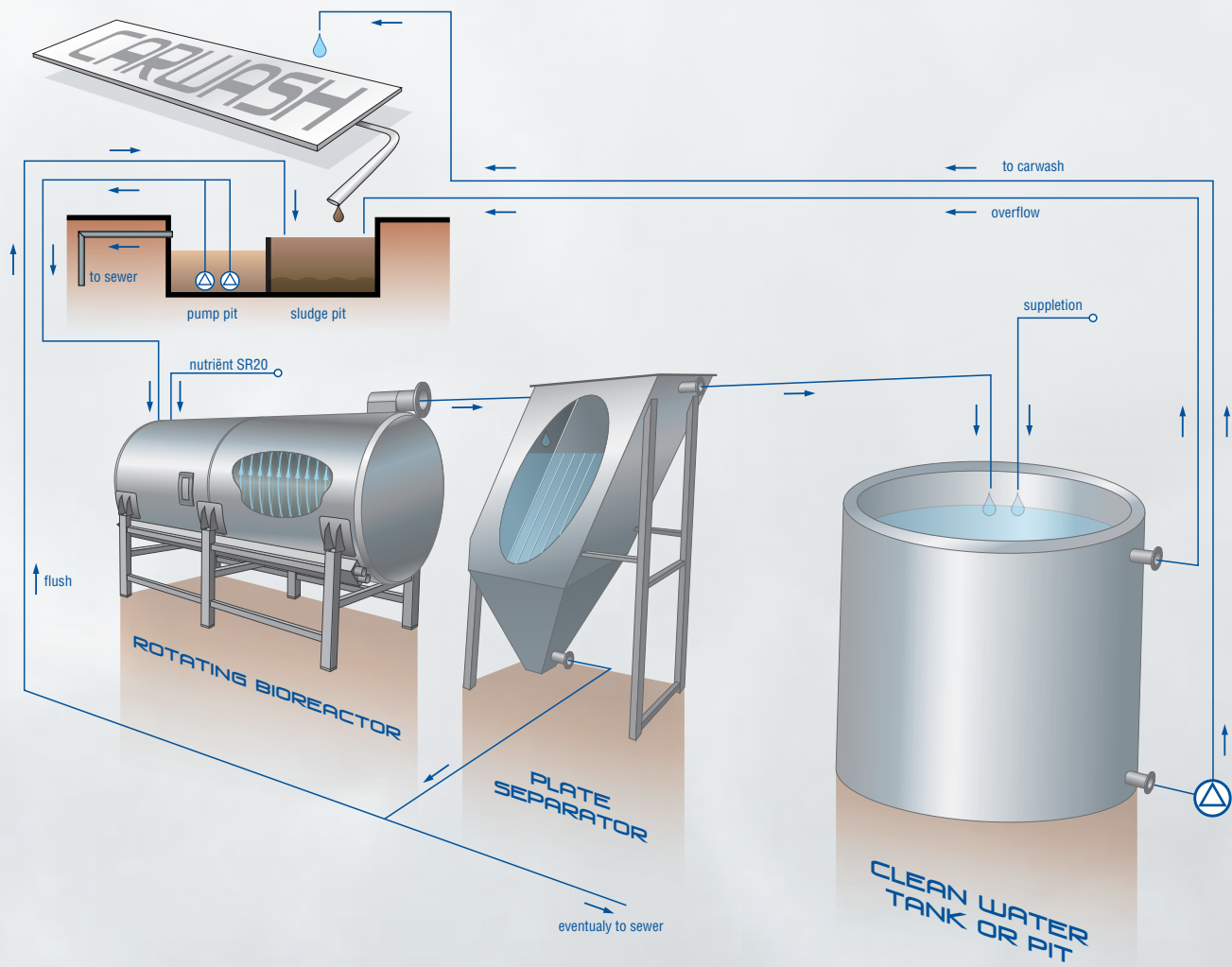
**See the R tonic in action**  
scan the QR-code with your smartphone

or type in your browser:  
[http://youtu.be/7RxLJ\\_8k2m0](http://youtu.be/7RxLJ_8k2m0)





# STANDARD ABOVE GROUND INSTALLATION



## THE iSOFT SERIES

Automatic watersofteners for professional use. Removes calcium and magnesium ions from hard water.

These ions have a negative influence on detergents and on the drying results.

### For at home:

- Mini/V/4E with digital display  
dimensions: 340x170x500H mm  
capacity: 900 Ltr/h  
resins: 4 Ltr  
reginer: Volumetric



### Medium carwash sites:

- AF/V/17 electromechanical  
capacity: 1200 Ltr/h  
resins: 17 Ltr  
reginer: Volumetric
- AF/V/26 electromechanical  
capacity: 2200 Ltr/h  
resins: 26 Ltr  
reginer: Volumetric
- AF/V/54 electromechanical  
capacity: 4000 Ltr/h  
resins: 54 Ltr  
reginer: Volumetric



### Large carwash sites:

- DA/CG/V/E 150 with digital display  
capacity: 7500 Ltr/h  
resins: 150 Ltr  
reginer: Volumetric
- DA/CG/V/E 250 with digital display  
capacity: 10.000 Ltr/h  
resins: 250 Ltr  
reginer: Volumetric

(Other capacities on request.)





# REVERSE OSMOSIS SYSTEMS

Demineralised water for a spot free rinse of the car. The R.O. system should be installed after the water softener. All R.O. systems are equipped with a controller with LCD display for various alarms. Frame in stainless steel.



## RO 130

- 3 membranes
- power: 0,37 kW / 230 V
- production: 130 Ltr/h
- dimensions: 300x400x940H mm

## RO 230

- 2 membranes
- power: 0,55 kW / 230 V
- production: 230 Ltr/h
- dimensions: 350x820x1500H mm

## RO 460

- 4 membranes
- power: 0,75 kW / 230 V
- production: 460 Ltr/h
- dimensions: 350x820x1500H mm



## RO 1000

- 3 membranes
- power: 2,2 kW / 400 V
- production: 1050 Ltr/h
- dimensions: 650x2500x1600H mm

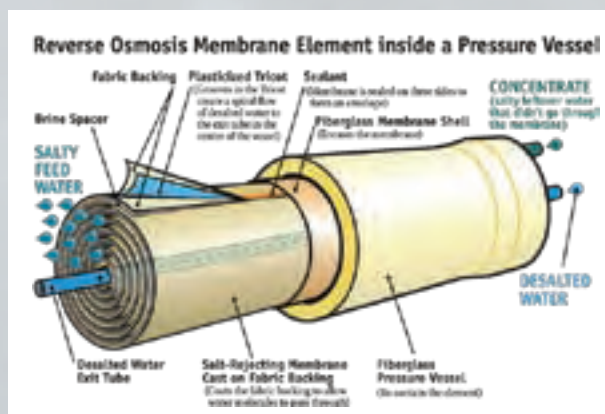
## RO 2000

- 8 membranes
- power: 3,0 kW / 400 V
- production: 2240 Ltr/h
- dimensions: 650x2500x1800H mm

(Other capacities on request.)

REVERSE OSMOSIS

The water outlet of reverse osmosis system will have to flow in a water storage tank, always. From this storage tank you can pump the R.O. water to the carwash. We can offer you stainless steel and P.E. tanks.



## INOTEC SELF WASH BAYS

We offer several options for your self wash bays. You can choose from one wash bay up to as many wash bays as you like, with or without a canopy.

You can choose to fit the high pressure technique in a slim column in the wash bay as part of the canopy or on a steel frame in the technical area. As an additional option, we can fit the high pressure technique in a container.



### This consists per wash bay of:

- 1 CAT high-pressure pump type 5CP2140W.  
Maximum pressure: 175 bar (adjustable to 100 bar).  
Maximum capacity: 15 litres per minute (adjustable to 13 litres per min.).
- 3 Pneumatic chemical dosing pumps for exact dosing.
- Frequency converter soft start and adjustable pressure and capacity per program.
- Frost protection: operational under all weather circumstances.

### Wash bay lay-out

- 2 x 360° supported stainless steel Z-arm.
- 2 High-pressure hoses with swivels.
- Active foam lance integrated in the high pressure lance. Misuse of the lance is not possible. Includes a stainless steel lance holder.
- Foam brush with foam kit. Includes a stainless steel brush tray.



### Serving and operating system

- UPC with web server for visualization. This is installed in a cabinet with isolation class IP66. Standard with computer or internet link through a CAT5 Ethernet cable. All management information, service- and adjustable information can be accessed direct or online, and be adjusted.
- Electronic RM5 coin acceptor for coins, tokens and also the Eurokey (prepaid loyalty purse).
- Operation via a 7+1 lighted piezo keypad with acoustic signal. The display is 40 x 70 mm; the display gives instructions in your language with programme- and remaining value report in large digits.







**See the Inotec Self Wash Bays in action**  
scan the QR-code with your smartphone

or type in your browser:  
<http://youtu.be/wSUtph350k>





# K9000 DOG WASH

## K9000 DOG WASH

The K9000 is the original Dog Wash like the hundreds already operating world wide. The clever concept, perfect finish and simple operations make the K9000 a very profitable investment.



See the Dog Wash in action  
scan the QR-code with your smartphone

or type in your browser: <http://youtu.be/pp6p3LOAEhY>



### Features

The first thing you notice is how simple the K9000 Dog Wash is to use, with features including;

- High visibility customer user instructions.
- Visual time counter.
- € 0,50 / € 1,00 / € 2,00 coins, € 5,00 / € 10,00 notes and the Eurokey are accepted. All currencies possible.
- A smart function control module that operates automatic product dispensing with controlled warm water through a soft wash gun.
- Turbo 2 speed warm dryer.
- Easy dog access through a splash proof swing door with auto latch system when closing.



### Projected Earnings

The standard wash charge is suggested at between € 7,00 / € 8,00 for 10 minutes of wash time. (Minimum start set) The cost to wash each dog is approximately € 0,95.



# Available for the K9000 DOG WASH:

## Dog Wash Building

Dimensions in mm:

width: 3.000

dept: 2.000

height: 2.500

Constructed from aluminium frames with acryl windows.  
Prefab delevered in 5 pieces.



## On board Water Boiler

50 Ltr



## Dog Wash Vending Machine

For 3 type of snacks.

Inernal storage 3 x 20 pc.

Coin acceptor for one type of coin.

No power supply needed.



## Some projects





# ENTRANCE ARCH iLED

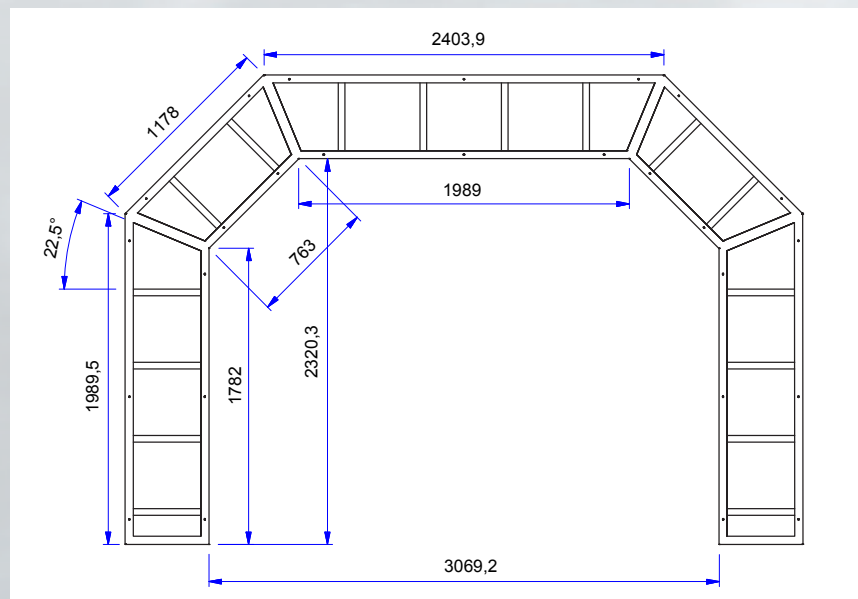
## REVOLUTIONARY iLED ENTRANCE ARCH

The whole inside of the arch is equipped with hundreds of RGB Leds connected to a programmable controller.



See the iLED in action  
scan the QR-code with your smartphone

or type in your browser: <http://youtu.be/Qed7IBvVisU>



### iLED

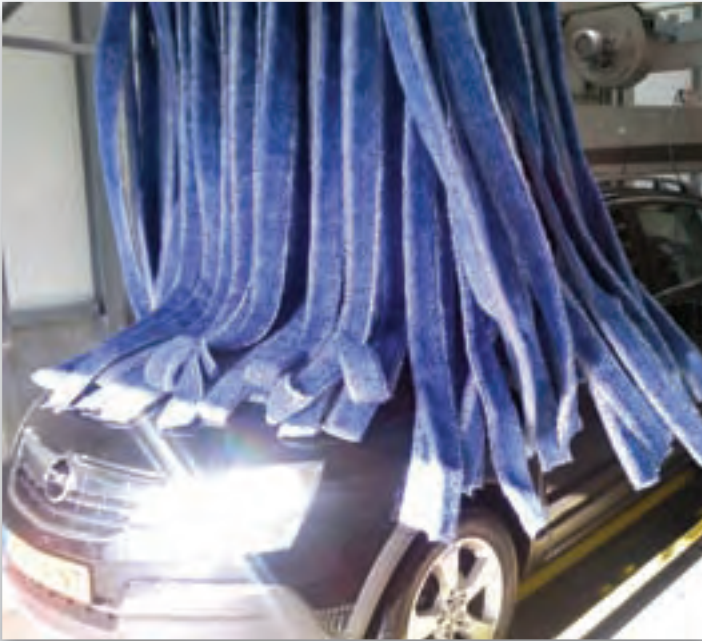
The arch is delivered in 5 easy-to-connect pieces.





# DRYING CARROUSEL

After blowdrying a car in a tunnel, we offer a drying carousel to get rid off the last small water drips. Comes with a hydraulic or electric motor. Contains 45 dry strips of fluffy cloth. Only 400 mm conveyor length needed.



DRYING CARROUSEL

# PROFESSIONAL PRE-WASH BUCKET for water with shampoo

**Easy to use.**

height: 900 mm in total.

volume: 100 Ltr.



PRE-WASH BUCKET

# ...AND THAT'S JUST WHO WE ARE

Rowafil Manufacturing is a 100% division of iClean Carwash Technologies BV, located in the same premises in Venray - The Netherlands. Our roots go back almost 100 years: the bases of the company was founded in 1919 in Rotterdam - The Netherlands.

Late 90's Rowafil joined the holding and started to work on it's international network to become the leading company on full biological waste water reclaim of mainly carwash waste water. In our new state of the art facility, opened in 2006, we have everything under one roof.


Our iClean company has 50 years of experience in car washing and dealing with water and waste water in particular. We offer already several decades our famous stainless steel products for export over the whole world. Products like the Dog Wash, the iLED Entrance Arch and our Inotec Self Wash Bays are relatively new and as from today we also offer water treatment like softeners and reversed osmosis systems.

We truly can say:



## We care for water



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