

DESIGN · MODULARITY · SAFETY





## DEFINITIVE MODULAR SOLUTIONS

Experience has shown us that no two spaces are the same. Thus, no two needs are the same. With this in mind, ISTOBAL responds to each space and each need with a specific enclosure solution. Enclosures which guarantee maximum protection to your wash facility so as to maintain top performance, help prevent setbacks and extend the useful life of your wash equipment.

- > **The maximum safety and reliability on the market**
- > **Simple, flexible modular composition**
- > **Total protection for your wash equipment**
- > **A modern, fully customisable look**



WE COVER ANY POSSIBLE NEED **WHATSOEVER.**

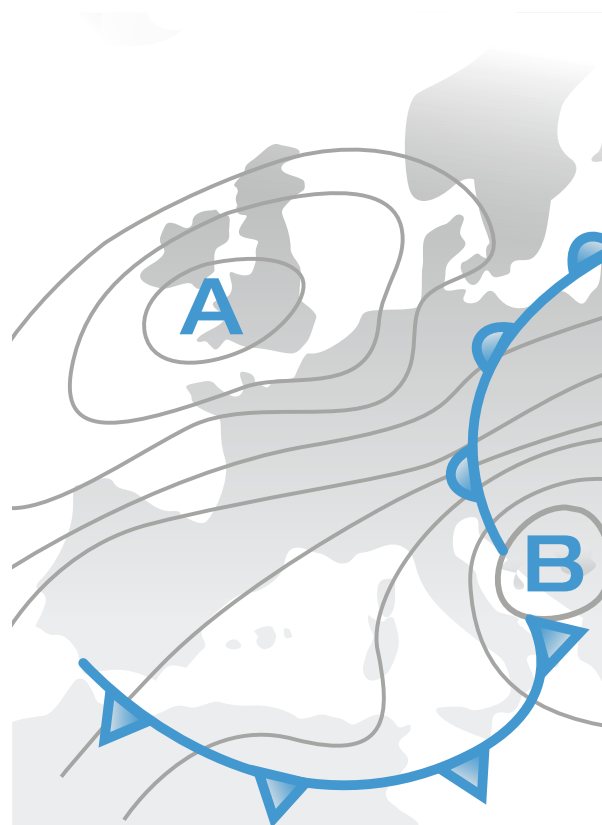


## THEY CAN TAKE IT **ALL**

ISTOBAL Enclosures are designed with the latest technology to offer the maximum safety and reliability on the market and extend the useful life of your wash equipment and thus its profitability.

Choosing the right Enclosure involves knowing the Snow Load and Wind Exposure prevalent at the wash facility location. Our Enclosures can adapt to any climate no matter how adverse.

Our Enclosures have been created using a modular concept based around the idea of simple, flexible structures with the latest materials. Only this way can Enclosures be created which are capable of protecting all types of jet washes, rollovers and tunnels, whatever the set-up on your wash facility is.



## SAFETY ABOVE ALL



### SNOW LOAD gradual:

20 kg/m <sup>2</sup>	60 kg/m <sup>2</sup>	100 kg/m <sup>2</sup>
160 kg/m <sup>2</sup>	200 kg/m <sup>2</sup>	350 kg/m <sup>2</sup>

### Increasing EXPOSURE TO WIND:

Up to 120 km/h	Up to 150 km/h	Up to 210 km/h
Slight winds	Moderate Winds	Extreme Winds

Advanced technology and looks come together in these new enclosures to give them an ultra-modern image. They have a wide range of customisable options which guarantee that the end product is tailored to the needs and desires of each customer. Only ISTOBAL can offer you so many possible combinations.

The latest technology and leading edge design tools used in the construction industry have led us to develop novel, simple solutions which at the same time comply with the standards in force for these structures:

### **STANDARD ON ACTIONS**

Eurocode EC-1:

**UNE EN 1991-1-1** - Weight and Overloads

**UNE EN 1991-1-3** - Snow Load

**UNE EN 1991-1-4** - Wind Load

### **STRUCTURAL CHECKS STANDARD**

Eurocode EC-3:

**UNE EN 1993-1-1** - In compliance with checking standard EC-3: UNE EN 1993-1-1 tests have been made using all possible combinations of weight, wind (side and head-on, main and secondary) and snow (main and secondary).

## TECHNOLOGY AND CUSTOMISATION



## COMPOSITIONS FOR BAYS

- > **Two widths: 4,56 m and 4,86 m**
- > **Plant rooms**
- > **Add-on sections**



## Base Module **for Bays**

A	4,56 or 4,86 m
L	6,4 m
H	3,2 m



## Add-on section Module

A	4,56 or 4,86 m
L	6,4 m
H	3,2 m



## Plant Room Module

A	2,7 m
L	6,4 m
H	3,2 m





## COMPOSITIONS FOR ROLLOVER AND TUNNEL

- > **Add-on sections**
- > **Extensions**
- > **2 heights: 3,2 m for rollovers up to 2,30 and 3,8 m for rollovers up to 2,90**
- > **Plant rooms**

### Base Module for Rollovers / Tunnels

A	4,56 or 4,86 m
L	9,6 m
H	3,2 or 3,8 m

### Height Accessory

A	— m
L	— m
H	60 cm





# ROLLOVERS AND WASH TUNNELS

## Extended Base

Module

A	4,56 or 4,86 m
L	3,2 m
H	3,2 ó 3,8 m



## Add-on section Module

A	4,56 or 4,86 m
L	9,6 m
H	3,2 or 3,8 m



## Extended Add-on

Module

A	4,56 or 4,86 m
L	3,2 m
H	3,2 or 3,8 m



## Plant Room Module

A	2,7 m
L	6,4 m
H	3,2 or 3,8 m



## MIXED COMPOSITIONS

### > Compositions of Jet Washes, Rollovers, Tunnels and Plant Rooms



Composition of **4 manual wash bays** and **1 plant room**

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Sawtooth Composition of **3 manual wash bays** and **1 plant room**

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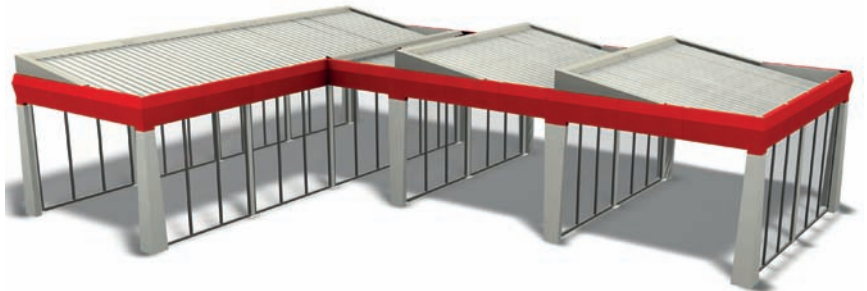


# MIXED WASH FACILITIES

Composition:

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- 2 manual wash bays
- 1 plant room
- 1 rollover bay 12,8 m



Composition:

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- 1 bay tunnel 19,2 m
- 1 plant room
- 3 manual wash bays
- 1 rollover bay 12,8 m



**Sawtooth** composition of:

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- 3 manual wash bays
- 1 plant room



Self-contained compositions of:

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- 3 manual wash bays
- 1 rollover bay 12,8 m
- Enclosure for wash tunnel 19,20 m



# Enclosures

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