



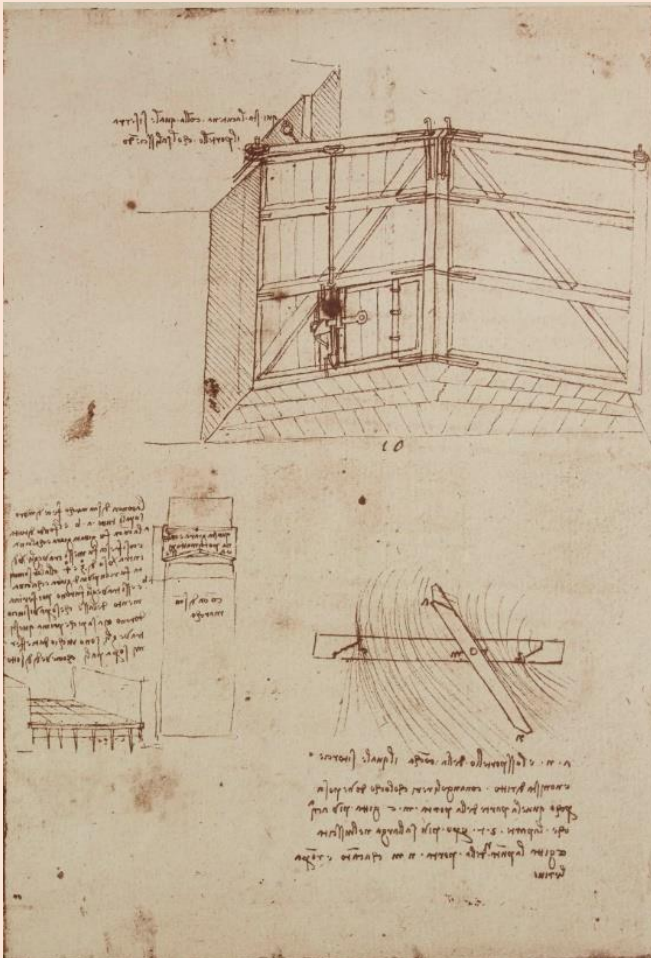
Italian way for

Flood Defence

A short journey around the
Acquastop World

Dedicated to the greatest genius of Italian Renaissance

The DaVinci's Door-Dams in Milan



During the realm of *Ludovico Maria Sforza* named *Il Moro*, from 1480 to 1499, the Duchy of Milan lived the full renaissance of the economy and the arts. Engineers, architects, scientists and artists moved to Milan seeking for job, glory, fame and money under the protection of Duke Ludovico. Among these was *Leonardo da Vinci* to whom *Ludovico Il Moro* commissioned the painting of the *Ultima Cena*, one of Leonardo's masterpieces still visible today at the church of *Santa Maria delle Grazie*. At that age Milan was a city living in great excitement. Goods and fortunes, foodstuffs and products arrived in the city and restarted through ingenious infrastructures that connected Milan to the main natural waterways and therefore to the buying and selling markets: the *Navigli*.

One of these was the *Naviglio Martesana*, about thirty kilometers that connects the city with the river Adda to the northeast. During year 1496 the *Naviglio Martesana* was connected to the inner circle of the *Navigli* near *San Marco*. The project and management of the works was entrusted to the forty-four Leonardo who designs the *Conca dell'Incoronata*, a basin for the vessels that by an original system of miter-doors (on the left the Leonardo's sketch), later defined as "*porte vinciane*"¹, it allowed the boats to overcome the

difference in height between the *Martesana Canal* and the canal of the internal circle of waterways. Later it was also called, like the nearby bridge, *Conca delle Gabelle* because at that point of entry in Milan it was required to pay the *Gabella*, that was indirect taxes on trade, consumption of goods and transportation of people²,

At the *Conca dell'Incoronata* today you can still observe an ancient bridge in *Ceppo d'Adda*, a particular rock composed of Sandstone and Conglomerates and the basin without water, with the wooden doors identical to those designed by *Leonardo da Vinci* and visible today in the *Codex Atlanticus* at the *Biblioteca Ambrosiana* in Milan.



¹ DaVinci's miter door-dams

² The *Gabella* was a sort of VAT tax

Today's Mission: Restore serenity to who suffered damages because flooding

We put ourselves in the shoes of our clients



It was the early nineties when Tuscany and the North West of Italy were lashed by heavy rains that lead to the flooding of rivers and torrents. Many homes were damaged, many people lost their assets and with these the serenity at the time of every cloudburst. In 1992 a brilliant Tuscan artisan, Mr. Costantino Trillo, thought that to avoid further risks for the houses, the basements or ground floors and commercial places, the most reliable solution was not sought in sandbags and the wooden boards. There was a need for a simple but absolutely safe system that everyone could place in the doorway without effort and with the certainty of the result. Thus was born the "anti-flooding barrier with snap closure by spring lever", later called Acquastop.

Today Acquastop is an established brand, with a wide range of anti-flooding systems, a continuous research and development activity and a widespread network of European dealers. Since 2016, the Acquastop brand has also played a leading role in Northern Europe with many applications, including the *Goethe-Institut* and the *Galerja Baltycka* in Danzig. In short, an history of success

that starts from afar, thanks to the intelligence and passion of

Costantino Trillo, the confidence of many customers and the enthusiasm of all his collaborators, professionals and workers. Metro Infissi and its brand Acquastop have a turnover in continuous growth, proportionally to the coverage of the national and European territory. There are about 200 retailers in Italy. In Germany, where the company took office only at the end of 2016, by 2018 will count the presence of about 50 dealers. The Area Retailer is an important resource and represents a real *Plus* compared to the competitors. Properly trained, Acquastop Retailer offers a complete service of surveying and assistance to the final customer, from the Tender to the After-Sales Assistance, with a complete range of anti-flooding systems for the home, the commercial spaces, the basement rooms, the industrial properties, the external yards and the protection of waterways in urban areas, such as ditches and rivers and harbors. Today the Acquastop systems are able to secure the single private home as important shops, or industrial and commercial properties and large public outdoor spaces as in the case of the harbor-canal of Cervia on Adriatic Seaside.

Restore serenity to those who suffered heavy damages from flooding at home or in the workplace and ensuring everyone the certainty of being safe is the company's mission. Water is a precious resource, friend of humankind, because without water - we know it well - there cannot be life. However the water in excess or badly managed can be a dangerous enemy that sneaks insidiously into our homes and our lives with a great destructive power. In fact, it takes only a few centimeters at home or in a warehouse to upset the lives and assets of people and companies. Beyond the working hours, each one of Acquastop team is itself an end-customer who puts his expectations in the products he seeks and then buys, according to his personal knowledge and perceptions. Each of us is conscious of being a consumer, an end-user, sometimes even the Acquastop systems. *"And that's why we always put ourselves in the shoes of our customer - says Costantino Trillo, owner and GM of Metro Infissi - to offer him everything we expect from others when at the end of the day we turn off the lights of the workshop and close the doors of our factory. These are the keys to our success: expertise, continuous research, continuous updating, reliability of products "above and beyond every reasonable doubt", safety tests with third parties, customer advice at every stage of the sales process, extreme ease of use and maintenance of the systems offered, first installation service with adequately trained personnel and after-sales assistance. Everything is expected from our customers we have already foreseen because, as we just said, we are also customers».*

In the context in which Acquastop operates, the Research and Development activity is critical. *"At this moment - continues Mr. Trillo - two new products that will shock the market are in industrialization process and for a third the "product concept generation" phase has just begun. At the end of last year we introduced the "Plus" version of the Basic model and launched a specific "co-branding test" for the flood protection of "Light-Wells". For us, who are among the few manufacturers in a market where players are generally traders, R&D is vital. And we cannot ignore it if we want to fully carry out our market leadership".*



Mr Costantino Trillo

Acquastop Key Features

Acquastop Classic model. Nothink but the “Click!”

Unique. Fast. Smart. Easy. Acquastop Classic from 1992 is the removable flood barrier with snap closure by spring lever. Its self-blocking system with tightening lever allows place the barrier only when is needed, very simply and without any efforts. Light and easy to handle, does not require any modification for doorways and entrances.



Santa Verdiana Sanctuary

Castelfiorentino, Florence

Year 2018

Nothing but the “Click!” The pressure used on the tightening lever until its final “Click” aligns the two parts of the barrier and push strongly the system against the opening edges of the entrance. The exerted pressure assures the stability of the barrier and the consequent crushing on the gaskets guarantees the watertight.



acquastop classic 25 mm thick – sizing table																						
C25		Entrance Width [cm]																				
		100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
Barrier Height [cm]	40																					
	54																					
	67																					
	80																					
	93																					
	106																					
	119																					
132																						
For dimensions in White Area barrier can placed without any add-on item																						
Barriers are provided with width as opening to protect meanwhile for its height are provided only with table heights																						
For dimensions in Orange Area shift to 40 mm thick																						
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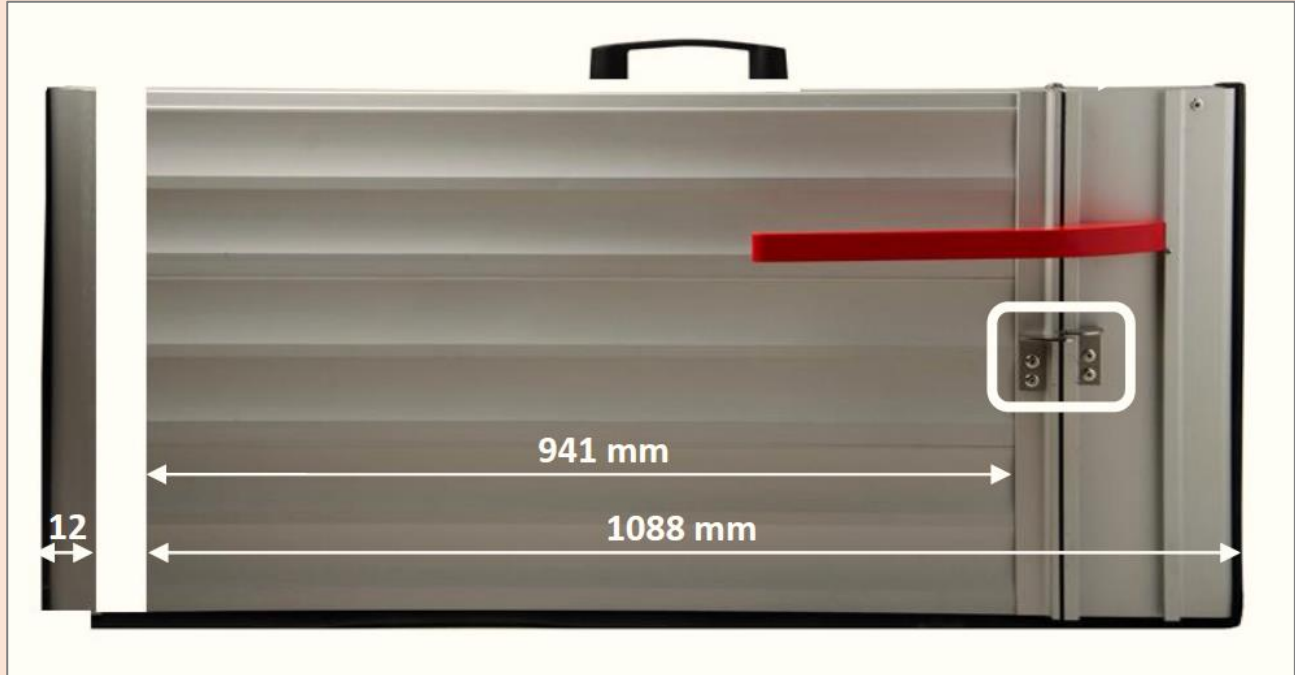
For dimensions in White Area barrier can placed without any add-on item

Barriers are provided with width as opening to protect meanwhile for its height are provided only with table heights

For dimensions in Orange Area shift to 40 mm thick

EN DIMTAB CLA25 17.003 30112017

Acquastop Classic can be also supplied partially assembled for stock as picture below³.



The Dealer will provide later to cut off the width redundant as effectives measures of doorway, install the left profile⁴ for gasket, screw the Carrying Handle on upper face and final sealing and gaskets gluing.

Acquastop Classic is a safe and reliable barrier and it is the result of a continuous research for the constant improvement of the quality of the product over more than twenty years of experience, referenced productions and daily efforts in order to guarantee the maximum safety to our customers. For us reliability and safety have a real meaning: samples of the barrier did been tested by an important national independent laboratory, the "Istituto Giordano S.p.A.". During the test, the laboratory has simulated the barrier use in extreme conditions, with positive results.



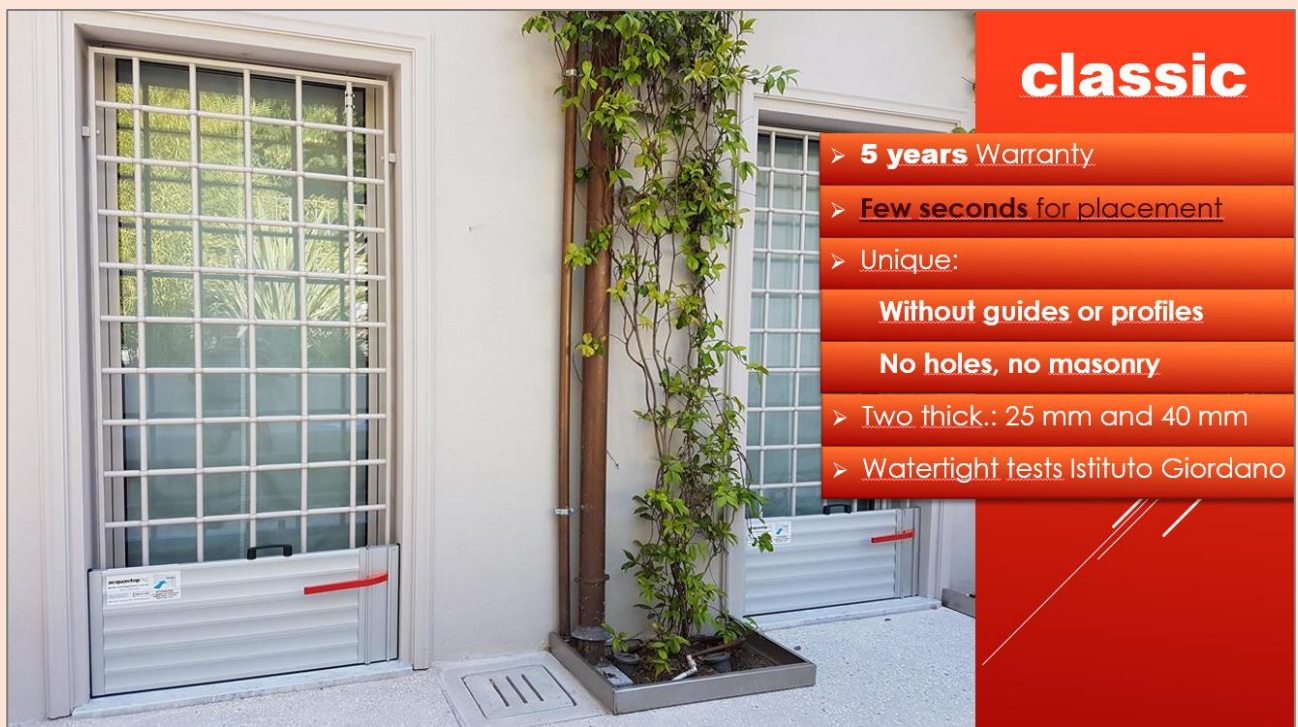
³ Picture regards a barrier 1100 mm wide but Pre-Assembled Classic can be supplied as request. Brackets and Padlock are optional.

⁴ See picture above.

A complete range of flood protection systems

Yours Customers. Ours Solutions

Over the years, proceeding and product improvement has brought Acquastop to high performance level and to the development of new components and new models such as barriers model Integra for closing the entries and light-wells completely, Modular stackable staves barrier for the protection of wide flooding areas and the new Basic+ barrier, which is even simpler and cheaper. The brand Acquastop today represents the most comprehensive range of anti-flooding systems. Effective, easy-to-use, are tailored to meet the specific needs of customers.



Handling handle



Steady panel
with overlapped staves

Gasket with fin on
three sides



RATCHET

basic+

- 2 years Warranty
- Always angular profiles 50x20x3
- Two thick.: 25 mm and 40 mm
- Spring blocking system
- **Few Seconds** for placement
- Internal watertight test (no Istituto Giordano)
- Cheaper than **classic**

integra

- Full Closure
- Doors, Windows and Light-Wells
- Gaskets on entire perimeter
- Perimetral Frame
- Thickness 40 mm
- **Few Seconds** for placement
- Watertight test Istituto Giordano



Let your client free to enjoy his life:

Say yes to Acquastop for the serenity of your clients

"We place barrier and put off it when we need in a few seconds. Simple to use and light to handle allows us to be independent and safe. We are reassured too because Acquastop offers 5 years of warranty on Classic model. Acquastop protects everything we love"

Acquastop protects everything client love. From 1992



modular

- > As DamWall
- > Single or Joined
- > **Few Seconds** for placement
- > Watertight test Istituto Giordano



Anti-flooding kit for motorized Rolling Shutters

protecta

- > Hermetic Aluminium staves
- > Existing or New shutters
- > Flood Protection 4100x700 mm
- > Watertight test Istituto Giordano



Acquastop Dealer Experience:

Share with us the same Ambition and the same Vision

"Acquastop really is a superbly designed product and one that we wish to include within our selection, possibly to replace some of our existing options".

"The day when we met Acquastop is a day to remember! People that share with us the same Ambition and the same Vision: protect people's home and properties from being flooded. For this we offer an easy to use, light-weight, affordable and efficient flood barrier! We are established a great partnership with our friends from Italy"

Acquastop: Best Friends for Best Partnership

Acquastop experiences

Domestic Solutions



Acquastop experiences

Commercial and Industrial Solutions



Galeria Baltycka in Danzig, Poland

Danzig, *Gdańsk* in Polish, is a city of Poland on the Baltic coast. It is the capital of the Pomeranian Voivodeship, Poland's principal seaport and the centre of the country's fourth-largest metropolitan area. The city lies on the southern edge of Gdańsk Bay (of the Baltic Sea), in a conurbation with the city of Gdynia, spa town of Sopot, and suburban communities, which together form a metropolitan area called the Tricity (Trójmiasto), with a population approaching 1.4 million. Gdańsk itself has a population of 460,427 (December 2012), making it the largest city in the Pomerania region of Northern Poland. Danzig is home to the University of Gdańsk, Gdańsk University of Technology, the National Museum, the Gdańsk Shakespeare Theatre, the Museum of the Second World War, Polish Baltic Philharmonic and the European Solidarity



Centre. The city also hosts St. Dominic's Fair, which dates back to 1260, and is regarded as one of the biggest trade and cultural events in Europe.

In 2016 the main shopping center in Danzig, the *Galeria Baltycka*, was damaged because a huge flooding. Following this event was commissioned to our Polish Dealer, Company Supron 1, the supplying of flood defence systems of the building. On the slides below a summary of the works.



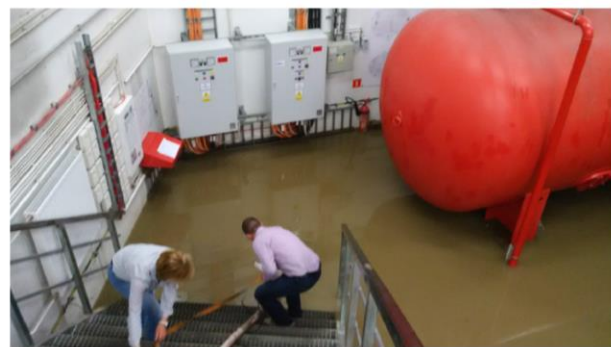
Main entrance – Al. Grunwaldzka



Damaged pavement by GBG



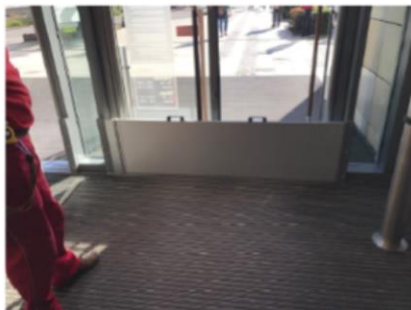
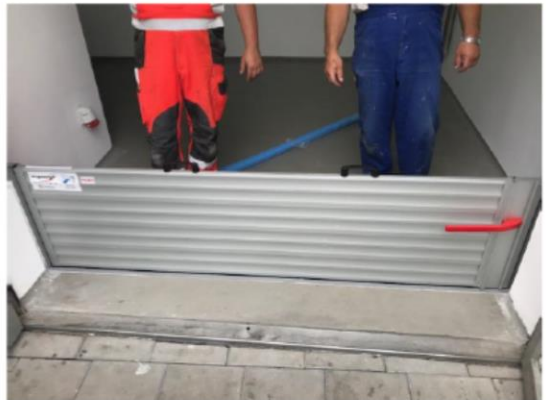
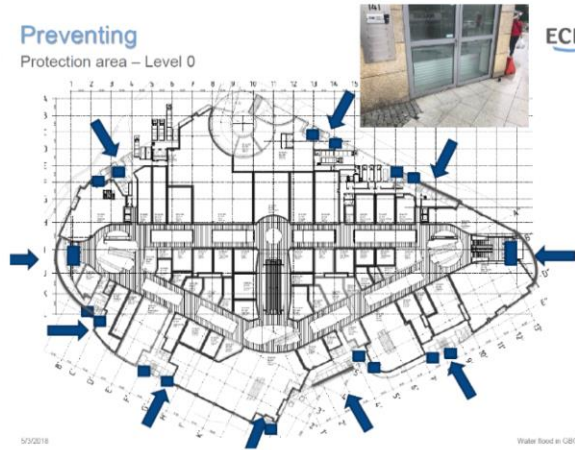
Sprinkler room






Preventing

Protection area – Level 0



dal 1992
acquastop®

sistemi antiallagamento 

brand of **metroinfissi**

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Fight Flooding. Restore Serenity
acquastop. *Italian way for flood defence*

