2024

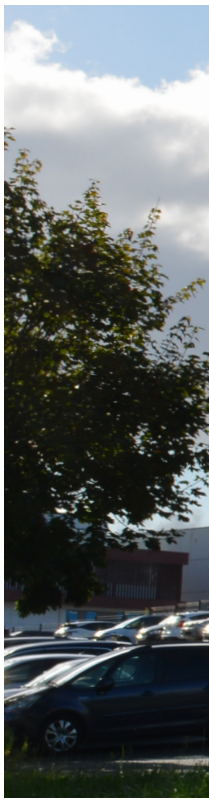
GENERAL PRODUCT CATALOG

BELGICAST is the leading supplier of premium valves, hydrants, pipe connection fittings and other water control solutions.





BELGICAST
WATER IS LIFE



ABOUT US

Having a wide variety of products, **we offer comprehensive solutions for the entire water cycle**, from Isolation valves like Gate valves, Butterfly valves, Knife Gate valves to network protection valves like Check, Air valves and control valves besides Pipe connection fittings. Our experience, innovative technology, overall capability, and track record as individual consultants help us **to develop sustainable solutions for the efficient management a resource as vital as water**.

BELGICAST is one of the largest suppliers of valve technology and the first choice when it comes to valves and services for the water cycle.

OUR HISTORY

In 1957, **BELGICAST began manufacturing valves for the shipbuilding sector**. We continued in that sector until the arrival of the oil crisis in the early 1980s, which led to the closure of a number of companies. That was when **BELGICAST diversified its product range**, focusing on a market that was not so well known at that time: the water market. This is how the resilient seated gate valve for piping drinking water was created at Belgicast. Thanks to said valve's innovative design, **BELGICAST** has achieved great success and made its brand and products known throughout the world. In 1995, it became part of the Tyco Group. In 2010, Tyco Waterworks became TALIS.

Following years of perfection and fine tuning, the resilient seated gate valve is now an essential product for piping of quality, safe, and long-lasting water.

In addition to the above mentioned product, a full range of accessories (including flanges, universal joints, intake collars, etc.) are all available for connecting valves with different types of pipe materials.

The efforts made in the development of Butterfly valves and Check valves has allowed **BELGICAST** to position itself as a leader in markets that were previously alien to the company, such as the Desalination and District cooling markets.

In 2023, **BELGICAST was acquired together with Bayard by AVK Holding**, a Danish industrial group, market leader in Valves for the water industry.



1957

In 1957, BELGICAST began manufacturing valves for the shipbuilding sector.

1980

In 1980, the elastic closing gate valve for drinking water pipes was created.

1995

In 1995, Belgicast joined the Tyco Group.

2010

In 2010, Tyco Waterworks became TALIS.

2023

In 2023, Belgicast was acquired by AVK Holding.

2024

The Lezama factory will be inaugurated in 2024.

1957 ---- ● ---- ● ---- ● ---- ● ---- ● ---- ● ---- **We continue building our future with new challenges and projects.**

CERTIFICATIONS

ISO 9001
Quality Management
Systems Certification



ISO 14001
Environmental Management
Systems Certification



ISO 45001
Occupational Health and Safety
Management Systems Certification



Italy
ICIM rule n°. 0415CS
DM174

Croatia
IGH EN:1074-2: 2022
IGH EN:1074-2: 2022/A1: 2008

European Union
ATEX 94/9/EC

European Union
ISO 9001:2015 / ISO 14001:2015
ISO 45001:2018

Germany
VdS 2344:2014-07 / VdS 2100-08:2011-05
Fire Protection

United Kingdom
WRAS BS 6920-1:2000
WRAS BS 6920-1:2014

Malaysia
PSV EN:1074-1 / PSV EN:1074-2

Netherlands
KIWA EN:1074-1 / KIWA EN:1074-2

Germany
RAL-GZ 662/2
Coating Protection

United Kingdom
WRAS BS 6920-1:2000
WRAS BS 6920-1:2014

France
NF EN:1074-1
NF EN:1074-2

Germany
DVGW EN:1074-1
DVGW EN:1074-2

European Union
2014/68/UE

Poland
CNBOP-PIB
Fire Protection

Spain
Fire Hydrants
UNE EN 14339:2006

012/003042

Austria
ÖVGW EN:1074-1
ÖVGW EN:1074-2

U.N. GLOBAL COMPACT

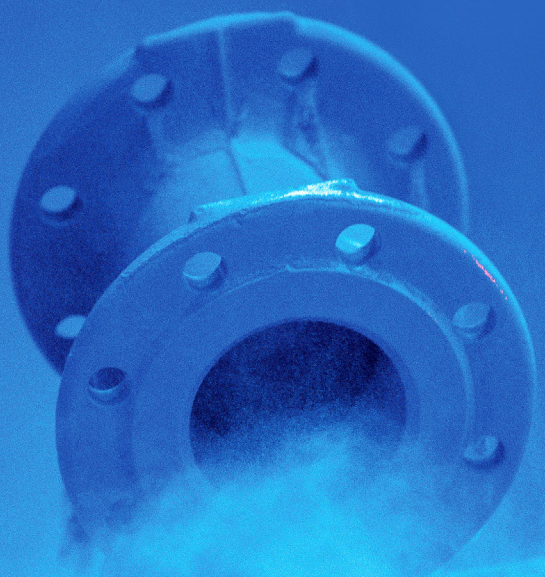
BELGICAST is involved in the U.N. Global Compact Project



UN GLOBAL COMPACT

WE SUPPORT

BPA LABELLING FREE



BELGICAST uses Bisphenol A labelling free coatings

BELGICAST has made significant investments in the automation of its painting line. Currently, all the paints we use are BPA labelling free.

- **BPA labelling free** coatings.
- Preparation for the upcoming European regulation on BPA-related matters (**less migration to drinking water**).
- Improved **health protection** for all workers exposed to powdered materials during application.
- Accelerated **coating process** and **less deformation** under pressure (dip application).
- **Improved** edge coverage (dip application).
- High cathodic **disbondment resistance** (CD Test).
- **Less yellowing** at high temperatures.

BPA LABELLING FREE

TRIPLE-0

The new Lezama facilities represent the culmination of **BELGICAST's commitment to environmental responsibility** and constitute a further step towards a greener and more sustainable future: **Zero net emissions, Zero waste, Zero leaks**.

At the new "Triple-0" factory in Lezama, energy comes from **self-generation** and **renewable sources** and there is a photovoltaic energy installation as well as a 700-kW solar farm. There is also a closed-circuit system for water consumption..



0 NET EMISSIONS

0 WASTE

0 LEAKS

ISOLATION VALVES

Isolation valves are a very important part of the system to reliably stop the flow when necessary. This type of valve is often used as an on/off valve.

The range basically comprises gate valves, double eccentric and rubber seated butterfly valves, and ball valves to allow for isolation in various applications. These high-quality products comply with all applicable standards and testing requirements.






LOW
OPERATING
TORQUES
PRESSURES BETWEEN
PN10
AND
PN25
STURDY
DURABLE
RANGING FROM
DN25
TO
DN2400
WIDE RANGE
WITH ALL
CERTIFICATIONS

RESILIENT SEATED GATE VALVES



INFINITY F4/F5

FEATURES

- INFINITY gate valve with low operating torques.
- Epoxy or enamel coating.
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 40 - 700 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar
Face to face distance:
Series 14 (short F4), Series 15 (long F5)



INFINITY F4/F5 PREPARED FOR ELECTRIC ACTUATOR

FEATURES

- INFINITY gate valve with low operating torques.
- Epoxy or enamel coating.
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 40 - 700 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar
Face to face distance:
Series 14 (short F4), Series 15 (long F5)



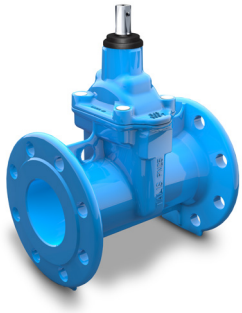
BV-05-47 F4/F5

FEATURES

- Large diameter gate valve with an ISO top flange for gear box or actuator mounting.
- Very low torque design.

TECHNICAL DATA

DN: 800 - 1200 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar
Face to face distance:
Series 14 (short F4), Series 15 (long F5)



INFINITY F5 PN25

FEATURES

- For higher operating pressures.
- Reinforced design.
- Epoxy coating.
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 40 - 300 mm
EN 1092-2 PN25
PFA: 25 bar
Face to face distance:
Series 15 (long F5)



INFINITY PE ENDS

FEATURES

- With PE ends for assembly on PE pipes with electrofusion couplings or by butt fusion welding process, providing continuity to the installation.
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 40 (d50) - 300 (d315) mm
PFA: 10/16 bar (SDR17/SDR11)



INFINI-3
INFINI-4

FEATURES

- Compact valve designs.
- Multiply possibilities: valves of different types and sizes can be connected.

TECHNICAL DATA

DN: 50 - 300 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar



INFINITY F5 WITH SIDE OUTLETS

FEATURES

- INFINITY gate valve with low operating torques.
- Epoxy or enamel coating.
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 80/100/150
EN 1092-2 PN10, PN16
PFA: 10/16 bar
Face to face distance:
Series 15 (long F5)



INFINITY SPIGOT ENDS

FEATURES

- Quick connection system for cement pipes / GRE pipes.
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 50 - 300 mm and 450 mm
PFA: 16 bar



THREADED ENDS

FEATURES

- Resilient seated gate valves with threaded ends.
- Vulcanized wedge.

TECHNICAL DATA

DN: 3/4" - 2"
PFA: 16 bar



INFINITY BS

FEATURES

- Complies with BS 5163.
- Available in type A and type B.
- Epoxy or enamel coating.
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 50 - 300 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar
Face to face distance:
EN558 Serie 3



ANSI

FEATURES

- Face to face distance and flange drilling complies with ANSI
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 40 - 300 mm
PFA: 16 bar
ASME B16.1 Clase 150
Face to face distance:
ANSI B16.10



OUTSIDE SCREW & YOKE

FEATURES

- Rising stem.
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 40 - 300 mm
EN 1092-2 PN10, PN16, ASME B16.1
PFA: 10/16 bar
Face to face distance:
Series 14 (short F4), Series 15 (long F5)
ANSI B16.10, Others upon request.

RESILIENT SEATED GATE VALVES



VDS FIRE PROTECTION

FEATURES

- Inner spindle with a mechanical position indicator.
- VDS fire protection certification.

TECHNICAL DATA

DN: 40 - 300 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar
Face to face distance:
Series 14 (short F4)



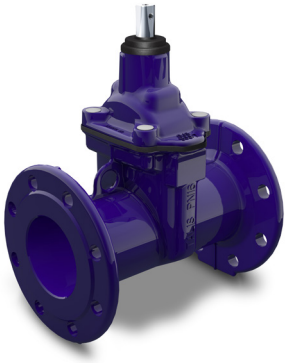
INFINITY F4/F5 WITH MECHANICAL/ELECTRICAL INDICATOR

FEATURES

- INFINITY gate valve with a mechanical indicator and optionally with a normally open and/or normally closed limit switch.

TECHNICAL DATA

DN: 40 - 300 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar
Face to face distance:
Series 14 (short F4), Series 15 (long F5)



INFINITY F4/F5 ENAMEL

FEATURES

- INFINITY gate valve with low operating torques.
- Enamel coating.
- Fully vulcanized wedge.

TECHNICAL DATA

DN: 40 - 300 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar
Face to face distance:
Series 14 (short F4), Series 15 (long F5)

CENTRIC BUTTERFLY VALVES



WAFER TYPE

FEATURES

- Different disc and liner materials, making it very versatile and suitable on different fluids.
- Low operating torque.

TECHNICAL DATA

DN: 40 - 700 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar



FLANGE TYPE

FEATURES

- Different disc and liner materials, making it very versatile and suitable on different fluids.
- Low operating torque.

TECHNICAL DATA

DN: 150 - 2400 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar



LUG TYPE

FEATURES

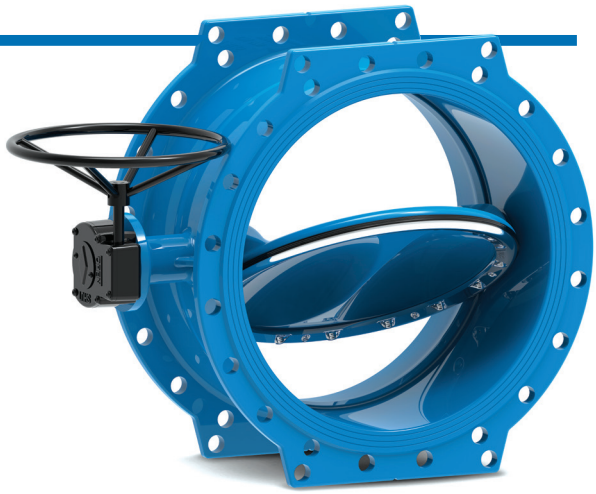
- Different disc and liner materials, making it very versatile and suitable on different fluids.
- Low operating torque.

TECHNICAL DATA

DN: 40 - 300 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar

DOUBLE ECCENTRIC BUTTERFLY VALVES

EVOLUTION



FEATURES

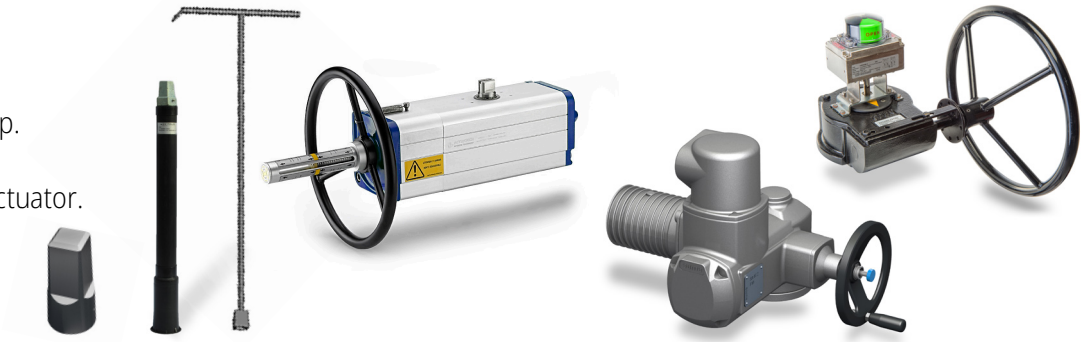
- Double eccentric butterfly valve, pinless design – disc-shaft connection.
- With a fully epoxy seat and optional welded seat (stainless steel).
- Special versions upon request.
- Reliable and functional, making simplicity an added advantage.
- Epoxy coating.

TECHNICAL DATA

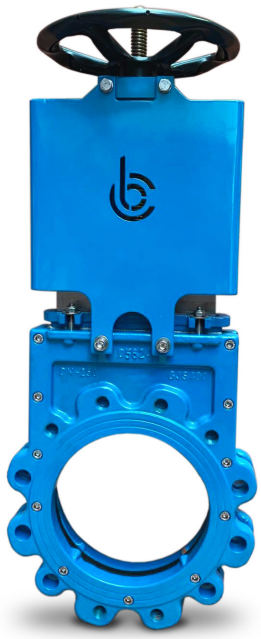
DN: 200 - 1800 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar

ACTUATION METHODS

- T-key and square cap.
- Extensions.
- Multi-turn electric actuator.
- Pneumatic actuator.
- Gearbox.



OTHERS



KNIFE GATE VALVES

FEATURES

- Bidirectional and usable as an intermediate valve or as an end of line valve, even under maximum working pressure.
- Actuator, electric, pneumatic, extensions, and special applications. High pressure and control models.

TECHNICAL DATA

DN: 50 - 1800 mm
EN 1092-2 PN10-PN100
PFA: 10-100 bar

CONTROL VALVES

Control valves are the answer to regulation needs in distribution networks and in any other system that requires working condition adjustment (pressure, level, flow).

We have one of the widest range in the market and we bring all our historical and technical knowledge to the table to satisfy customers and end users in sectors as varied as fresh water, irrigation, construction, water treatment, fire protection, dams, and wastewater.



CONTROL VALVES

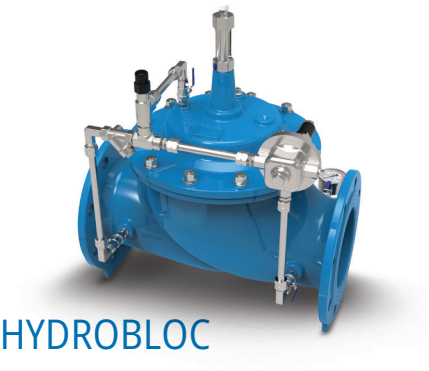
ACCURACY AND CONTROL

PRESSURES BETWEEN PN10 AND PN64

STURDY DURABLE

DN25 TO DN2200

WIDE RANGE WITH ALL CERTIFICATIONS



HYDROBLOC

FEATURES

- Automatic pilot operated hydraulic control valve.
- Diaphragm actuated.
- Single chamber.
- Full or reduced bore.
- Models:
  - Hydrobloc First
  - Hydrobloc Premium: pilots and control circuit in stainless steel.

TECHNICAL DATA

DN: 32-1000 mm
PFA Max: 40 bar



MONOSTAB

FEATURES

- Direct acting control valve.
- Pressure reducing or sustaining.
- Simple installation.
- Mainly used for water and irrigation networks.

TECHNICAL DATA

DN: 40-200 mm
PFA: 10-40 bar



NEEDLE VALVE

FEATURES

- Manual or actuator control.
- Functions: Flow regulation, pressure regulation, level control, discharge to atmosphere, ecological flow, bottom drain, turbine bypass, air control.
- Excellent controllability and cavitation performance.
- Standard shutter, perforated or grooved cylinder.

TECHNICAL DATA

DN: 100-2200 mm
PFA: 10-64 bar



MONOVAR

FEATURES

- Multiple-jet control valve with a manual or motorized actuator.
- Short length between faces.
- Good cavitation performance.
- Functions: Flow regulation, pressure regulation, level control, discharge to the atmosphere, etc.

TECHNICAL DATA

DN: 80-2000 mm
PFA: 10-25 bar

NETWORK PROTECTION

Growth in the world's population and the need to improve access to drinking water and sanitation means that there must be an increase in the number of pumping stations and networks.

The design and installation of pumping stations and water networks requires large investments. Therefore, it is essential to maintain system integrity and performance.

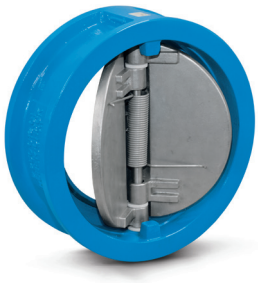
Belgicast offers one of the largest range of protection equipment to optimize networks and pumping stations.






DIFFERENT
PRODUCT
LINES
FOR
NETWORK
PROTECTION
STURDY
RELIABLE
AND DURABLE
UP TO
DN1800
WORKING PRESSURE
UP TO
100
BAR
CUSTOMIZED
SOLUTIONS

DUAL PLATE CHECK VALVE



MODEL C

FEATURES

- Compact design.
- Versions in ductile iron, stainless steel, carbon steel, etc.
- Wafer version as standard, flanged version available.
- Minimum backpressure to ensure water tightness: 0.5 bar.

TECHNICAL DATA

DN: 40 - 1800 mm
PFA: Maximum 40 bar.
Distance between faces: Short distance in compliance with DIN 5752 K3, serie 16 y DIN 3202 K3.
Installation between flanges:
PN10 - PN16 - PN25 - PN40 - ANSI 150



MODEL B

FEATURES

- Stainless and super duplex versions.
- Wafer version as standard, flanged upon request.
- High pressure model.
- Minimum backpressure to ensure water tightness: 0.5 bar.

TECHNICAL DATA

DN: 50 - 1000 mm
PFA: Maximum 100 bar
Distance between faces: In compliance with API-594.
Installation between flanges:
PN10 - PN16 - PN25 - PN40 - ANSI 150-ANSI-300 - ANSI 600



MODEL EMG

FEATURES

- Rubberized body.
- Compatible with different flange PNs.
- Minimum backpressure to ensure water tightness: 0.5 bar.

TECHNICAL DATA

DN: 40 - 400 mm
PFA: 16 bar
Distance between faces: Short distance in compliance with DIN 3202 K3
Installation between flanges:
PN10 - PN16 - ANSI 150

SPRING OPERATED CHECK VALVES



NON SLAM NOZZLE CHECK VALVE

FEATURES

- Filtered water, drinking water.
- Operation in any position.
- Minimizes water hammer.
- Low pressure loss.
- Rubberized disc (disc up to DN300, and ring for higher DN).

TECHNICAL DATA

DN: 80 - 600 mm
PFA: 10 - 40 bar



CLASAR CHECK VALVE

FEATURES

- Filtered water.
- Drinking water.
- Operation in any position.
- Minimizes water hammer.

TECHNICAL DATA

DN: 80 - 1800 mm
PFA: 10 - 25 bar

AUTOMATIC VALVE



AUTOMATIC CHECK VALVE

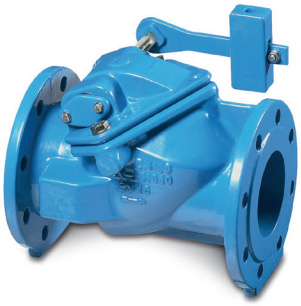
FEATURES

- Adjustable opening and closing speed.
- Possibility of adding electric closing and opening.
- For filtered water.
- Other options: Pressure relief, wave anticipator, anti-pipe breakage, pump opening and closing control.

TECHNICAL DATA

DN: 32 - 1000 mm
PN: 10 - 40 bar

CHECK VALVES



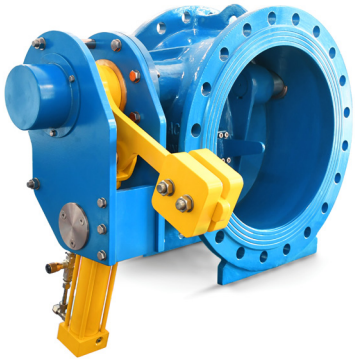
SWING CHECK VALVE

FEATURES

- A reliable, simple, and durable solution.
- Drinking or filtered water.

TECHNICAL DATA

DN: 50 - 400 mm
PFA: 16 bar / 10 bar for DN350 and DN400



TILTING DISC CHECK VALVE

FEATURES

- Double eccentric disc design for low torque and less seal wear.
- Drinking or filtered water.
- Closing damper option.
- Cylinder option for assisted full opening.

TECHNICAL DATA

DN: 150 - 1600 mm
PFA: 10-25 bar



BALL CHECK VALVE

FEATURES

- Suitable for wastewater and raw water.
- Full step.
- Self-cleaning effect.

TECHNICAL DATA

DN: 1" a 3" – 40 to 400 mm
PFA: 10-16 bar

SAFETY VALVES



DIRECT ACTING SAFETY RELIEF VALVE

FEATURES

- Abrasion resistant structure.
- Valve Disc Type – held in position and centered by a diaphragm system, unaffected by friction and jamming.
- Splash-proof mechanism.
- Shutter and spring optimized for proportional valve opening.
- High relief capacity.
- Adequate reaction speed for overpressure.
- Direct discharge into the atmosphere.

TECHNICAL DATA

DN: 40/60 (model PN16), DN50, DN65, DN100, DN150 and DN200
PFA: 10 -25 bar.
Drilling of flanges complies with EN 1092-2

AIR VALVE – CLEAN WATER



AUTOMATIC AIR VALVE

FEATURES

- Security control.
- Integrated full-stop valve.

TECHNICAL DATA

DN: 1" male / DN40 up to DN80
PN: 16 bar, 25 bares or 40 bar

AUTOMATIC DEGASSING



3 FUNCTION AIR VALVE

FEATURES

- Security control.
- Possibility of having an "all-in-one" aeration valve with a stop valve built in.
- High performance.

TECHNICAL DATA

DN: 2" female / 40 - 200
PN: 16 bar, 25 bares or 40 bar

3 FUNCTIONS: DEGASSING + HIGH FLOW RATE AIR INTAKE + HIGH FLOW RATE AIR OUTLET

STRAINER



FEATURES

- Water filtration with 2mm filter.
- Drilling of flanges complies with EN 1092-2 and ISO 7005-2: ISO PN 10, 16 or 25

TECHNICAL DATA

DN: Type MP: DN50 up to DN400
Type H: DN500 up to DN600
PFA: 10-25 bar
EN 1092-2 PN10, PN16, PN25



PROJECT: BUSTURIA PUMPING STATION

Busturia pumping station, part of the project for the general collector of the left bank of the Mundaka Estuary: Busturia - Sukarrieta section (Biscay).

AIR VALVE – WASTEWATER



VENTUSE

FEATURES

- Drain tap included.

TECHNICAL DATA

DN: 100 mm
PN: 16 bar

PRESSURE AIR PURGE



AVUSE-3

FEATURES

- Lightweight, easy to handle.
- Simple and efficient design.
- Mechanical and chemical resistance.
- Drain tap included.
- High performance.
- AVUSE-3: 3 functions.
- AVUSE-1: 1 function

TECHNICAL DATA

DN: 50 - 80 mm
PN: 10 bar

3 FUNCTIONS: DEGASSING+ HIGH FLOW RATE AIR INTAKE + HIGH FLOW RATE AIR OUTLET



CLAPUSE

FEATURES

- Drain tap included.
- Suitable for water hammer problems.

TECHNICAL DATA

DN: 100 mm
PN: 16 bar

WATER HAMMER PROTECTION



VANNUSE

FEATURES

- Purge tap included.

TECHNICAL DATA

DN: 100 mm
PN: 16 bar

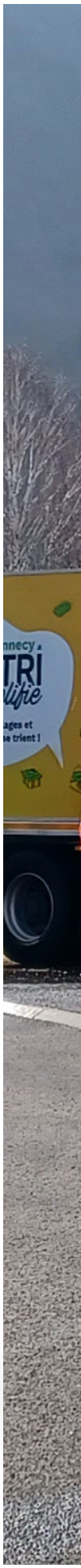
3 FUNCTIONS: DEGASSING+ HIGH FLOW RATE AIR INTAKE + HIGH FLOW RATE AIR OUTLET

HYDRANTS AND SMART WATER TAPPING POINTS

The main function of hydrants is to extract water to extinguish fires. They are directly connected to the underground drinking water network.

BELGICAST hydrants are available in two designs (underground and above ground), offering special advantages depending on the application. Our wide range of hydrants meet the most demanding fire protection requirements and comply with all international standards, certifications, and testing conditions.






65%
OF THE HYDRANTS IN EUROPE ARE THE UNDERGROUND VERSION
SIMPLE MAINTENANCE
QUICK AND EASY INSTALLATION
50 YEARS OF SERVICE LIFE
OPTIMAL PROTECTION AGAINST CORROSION
WIDE RANGE WITH ALL CERTIFICATIONS

FIRE HYDRANTS



EMERAUDE ABOVE-GROUND HYDRANT

FEATURES

- High performance - high flow capacity, no freezing, wide valve to facilitate sealing against foreign materials, loose adjustable flange.
- Easy to use.

TECHNICAL DATA

DN: 60/65 - 150 mm
EN 1092-2 PN10, PN16
PFA: 16 bar



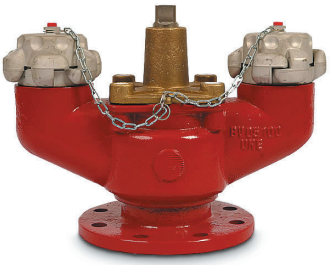
SAPHIR ABOVE GROUND HYDRANT

FEATURES

- High performance – high flow capacity, air inlet check valve, anti-freezing, wide valve to facilitate sealing against foreign materials, loose adjustable flange.
- Easy to install.

TECHNICAL DATA

DN: 60/65 - 150 mm
EN 1092-2 PN10, PN16
PFA: 16 bar



UNDERGROUND HYDRANT WITH ONE OR TWO OUTLETS

FEATURES

- Range – available in DN80 (1 outlet) and DN100 (1 and 2 outlets).
- Valve operation – with handwheel or key.
- Optional city cover – resistant to the passage of heavy vehicles under EN124 class B125.

TECHNICAL DATA

DN: 80 - 100 mm
EN 1092-2 PN10, PN16
PFA: 16 bar

GENERAL USE HYDRANTS



UNDERGROUND HYDRANT BV-05-100 PA

FEATURES

- Underground hydrants in accordance with customer specifications. In this case, with 2 cut-off valves included.

TECHNICAL DATA

DN: 100 mm
EN 1092-2 PN10, PN16
PFA: 16 bar



BV-05-63

FEATURES

- Underground hydrants provide cleaning companies with free access to water in cities.
- Supplied as standard with Barcelona hose fitting (other options upon request).
- The product can be supplied with a manhole that is resistant to the passage of heavy vehicles under EN124 class B125.

TECHNICAL DATA

DN: 40/65 mm
EN 1092-2 PN10, PN16
PFA: 16 bar



BV-05-63 LIGERA

FEATURES

- A lightweight hydrant is an alternative and an affordable solution due to its small size.
- Supplied with Barcelona hose fitting.

TECHNICAL DATA

DN: 40 mm
EN 1092-2 PN10, PN16
PFA: 16 bar

SMART CARD HYDRANTS WITH REMOTE COMMUNICATION



MONECA® SMART

PROFESSIONAL HYDRANT

- A smart card controls access to water.
- A check valve ensures connection to the network.
- The water network is protected against water hammering.

EASY TO MAINTAIN

- All components can be disassembled easily.
- The hydraulic cartridge valve can be removed from the top.
- Long-lasting battery operation.

SUSTAINABLE DESIGN

- Telene® housing, UV resistant, and resistant to corrosion.
- Internal component protection.
- Made with quality materials.
- Electronics and battery fully coated with resin.

OPTIMIZED CONFIGURATION

- The hydrant can spin 360° during installation.
- Guaranteed drain flushing.



PIPE FITTINGS AND ACCESSORIES

BELGICAST's range of fittings and accessories consists of various solutions to allow for even the most difficult pipe connections and to efficiently and reliably repair cracked and burst pipes. The extensive range includes high quality mechanical couplings, flange adapters, and dismantling joints to take care of a wide range of pipe materials for many years.

This range of accessories has been successfully used worldwide by highly renowned clients, always complying with the strictest requirements for different applications.





FLANGE ADAPTORS AND COUPLINGS - SPECIFIC - CONNECTIONS

WIDE RANGE
OF STANDARD AND CUSTOM SOLUTIONS

SOLUTIONS >25 BAR
WORKING PRESSURE AVAILABLE UPON REQUEST

STURDY REALIABLE AND DURABLE

HIGH QUALITY
AND TESTED DESIGNS

SOLUTIONS >DN1600
AVAILABLE UPON REQUEST

QUICK AND EASY INSTALLATION

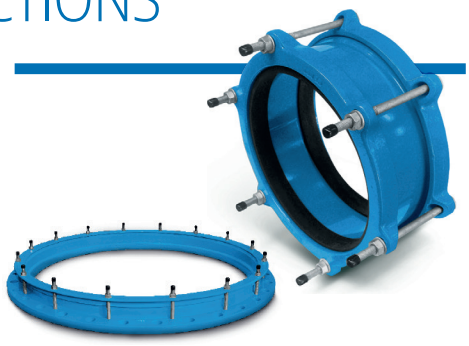


MAJOR

TECHNICAL DATA

DN: 40 - 400 mm
EN 1092-2 PN10, PN16
PFA: 16 bar

DI Ductile Iron
PVC PVC



FABRICATED ACCESSORIES

TECHNICAL DATA

DN: 50 - 16000 mm
EN 1092-2 PN10, PN16, PN25, PN40
PFA: 10-40 bar

DI Ductile Iron
STL Acero



SERIES 1050

TECHNICAL DATA

DN: 40 - 600 mm
EN 1092-2 PN10, PN16
PFA: 16 bar

PVC PVC



GIBAULT PLUS

TECHNICAL DATA

DE tube: 36 - 280 mm
PFA: 16 bar

DI Ductile Iron
PVC PVC
STL Steel
AC Asbestos Cement



GIBAULT SERIES 1000

TECHNICAL DATA

DE tube: 40 - 600 mm
PFA: 16 bar

PVC PVC

FLANGE ADAPTORS AND COUPLINGS - DEDICATED - RESTRAINED



MAJOR STOP

TECHNICAL DATA

DN: 40 - 200 mm
EN 1092-2 PN10, PN16
PFA: 16 bar

DI Ductile Iron · PVC · PE Polyethylene



SERIES 1800 & 2800

TECHNICAL DATA

DN: 50 - 300 mm
EN 1092-2 PN10, PN16
PFA: 16 bar

PE Polyethylene

FLANGE ADAPTORS AND COUPLINGS - MULTI-DIAMETER



ULTRA TOLERANCE

SERIES 3100 & 3200

TECHNICAL DATA

DN: 50 - 800 mm
EN 1092-2 PN10, PN16
PFA: 16 bar

DI Ductile Iron · PVC · STL Steel · CI Cast Iron · AC Asbestos Cement · GRP Fiberglass reinforced plastic

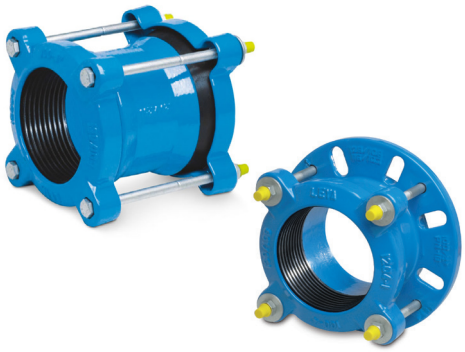


METEOR

TECHNICAL DATA

DN: 40 - 300 mm
EN 1092-2 PN10, PN16
PFA: 16 bar

DI Ductile Iron · PVC · STL Steel · CI Cast Iron · AC Asbestos Cement



SERIES 1200 & 2200 "LIBERTY"

TECHNICAL DATA

DN: 350 - 450 mm
EN 1092-2 PN10, PN16
PFA: 16 bar

DI Ductile Iron · PVC · STL Steel · CI Cast Iron · AC Asbestos Cement · GRP Fiberglass reinforced plastic

STEPPED COUPLINGS - HIGH TOLERANCE



SERIES 1500 “LIBERTY”

TECHNICAL DATA

DE: d57-72 / 68-85 a d408-435 / 438-458
PFA: 16 bar

DI Ductile Iron · PVC PVC · STL Steel · CI Cast Iron · AC Asbestos Cement · GRP Fiberglass reinforced plastic



ULTRA TOLERANCE

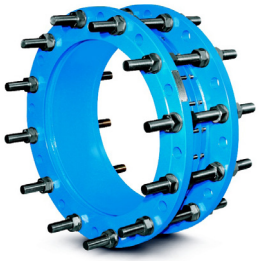
SERIES 3500 “LIBERTY”

TECHNICAL DATA

DE: d395-435 / 435-470 a d610-645 / 710-745
PFA: 16 bar

DI Ductile Iron · PVC PVC · STL Steel · CI Cast Iron · AC Asbestos Cement · GRP Fiberglass reinforced plastic

DISMANTLING JOINTS



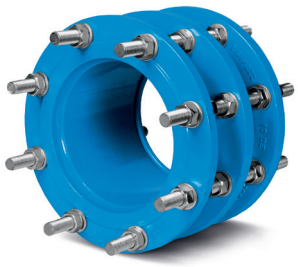
LIGHT DUTY

FEATURES

- Quick and easy installation
- Optimal joint control thanks to its independent screws
- Epoxy coating.

TECHNICAL DATA

DN: 40 - 1600 mm
EN 1092-2 PN10, PN16, PN25, PN40
PFA: up to 40 bar



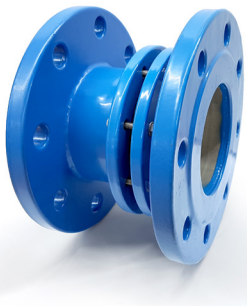
HEAVY DUTY

FEATURES

- Classic and robust design
- Epoxy coating.

TECHNICAL DATA

DN: 40 - 2400 mm
EN 1092-2 PN10, PN16, PN25, PN40
PFA: up to 40 bar



BC-06-11

FEATURES

- 2-flange design
- Quick and easy installation
- Ferrules in AISI-304 stainless steel
- Epoxy coating.

TECHNICAL DATA

DN: 50 - 1600 mm
EN 1092-2 PN10, PN16, PN25
PFA: up to 25 bar

HOUSE CONNECTIONS

The BELGICAST range includes saddles, pipe accessories, and valves to suit almost all installation situations and connect to a wide range of pipes. They meet the most demanding requirements for drinking water and the applicable international standards, certifications, and testing conditions.

ACCESSORIES FOR CONNECTIONS



PUSHFIT ACCESSORIES

FEATURES

- Pressure settings of 16-63 mm for a quick and easy pipe connection made of PE or PVC.
- Easy assembly and disassembly without the need for tools.

CERTIFICACIONES

Materials: WRAS, ACS

TECHNICAL DATA

Inlet / Outlet: 16 - 63 mm



GRIPPA

FEATURES

Talbot Grippa is a universal accessory which allows PE pipes to be connected to a wide variety of existing pipes made of lead, galvanized iron, and copper – without changing the components..

The range consists of three accessories that fit all metal pipes with outside diameters of 15 mm (3/8") to 34 mm (3/8").

The Grippa accessory's "universal" connection uses a patented adjustment ring and a gasket. These two components give rise to a watertight, load-resistant connection over a wide range of diameters..

SERVICE VALVES



RESILIENT SEATED GATE VALVES WITH THREADED ENDS

FEATURES

BELGICAST threaded gate valves are available for use for domestic connections.

They are available with threaded ends (DN 3/4" to 2") and angle valves (from 1" to 2"). The bodies are made of nodular cast iron and they have a vulcanized EPDM seal.

TECHNICAL DATA

DN: 3/4" - 2"
PFA: 16 bar

WIDE RANGE WITH ALL RELEVANT CERTIFICATIONS

STURDY REALIABLE DURABLE AND LEAK-FREE

UP TO 1300MM

QUICK AND EASY INSTALLATION

TAPPING SADDLES



SERIES 1300

FEATURES

- Tapping saddles with a BSP threaded outlet.
- For connections in PE or PVC pipes.
- Epoxy coating.

TECHNICAL DATA

Outside Diameters: d32-315 mm
Outlet: 3/4"-2"

PVC PE

PVC Polyethylene



SERIES 2300

FEATURES

- Tapping saddles with a flanged outlet EN 1092 PN10, PN16
- For connections in PE or PVC pipes.
- Epoxy coating.

TECHNICAL DATA

Outside Diameters: d63-400 mm
Outlet: DN 50-150 mm

PVC PE

PVC Polyethylene

UNIVERSAL TAPPING SADDLES



SERIES 1400

FEATURES

- Universal tapping saddles with a BSP threaded outlet.
- For connections in all types of pipes (ask about PE and PVC).
- Epoxy coating.

TECHNICAL DATA

Outside Diameters: d50-1000 mm
Outlet: 3/4" - 3"



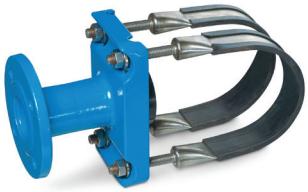
SERIES 1410

FEATURES

- Universal load bearing tapping saddles with a BSP threaded outlet.
- Optionally, a spatula can be supplied for tapping in pipes under pressure.
- For connections in all types of pipes (ask about PE and PVC).
- Cataphoresis coating.

TECHNICAL DATA

Outside Diameters: d50-1000 mm
Outlet: 3/4" - 2"



SERIES 1425

FEATURES

- Universal tapping saddles with a flanged outlet. EN 1092 PN10, PN16
- For connections in all types of pipes (ask about PE and PVC).
- Epoxy coating.

TECHNICAL DATA

Outside Diameters: d80-1300 mm
Outlet: DN 50-200 mm

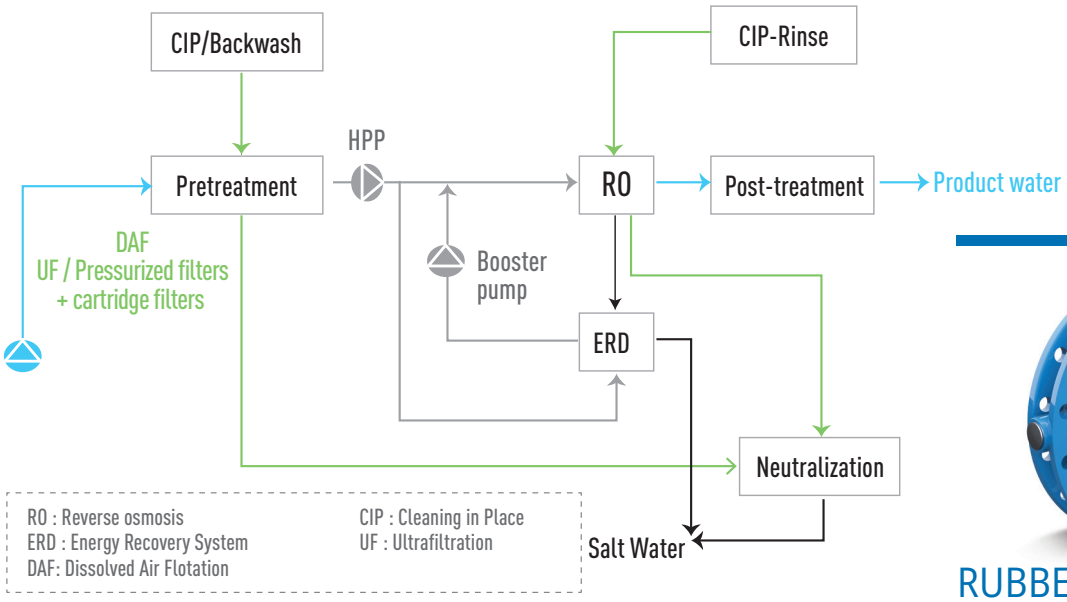
SERIES 1450

Stainless steel band for holding the saddles in these series to the pipes.



SOLUTIONS FOR DESALINATION

The high degree of reliability of BELGICAST's products reduces the risks associated with large-scale installations and thus ensures on-time, successful, and cost-effective project execution.



BUTTERFLY VALVES DN32 MM TO 2400 MM

CHECK VALVES DN40 MM TO 1800 MM

HIGH PRESSURE CHECK VALVES UP TO 100 BARS

PENSTOCKS UP TO 4000 X 4000

20 million m³/d in REVERSE OSMOSIS desalination plants

MEMBER OF

IDRA Desalination and Reuse



RUBBER SEATED BUTTERFLY VALVES

FEATURES

- Different disc and liner materials make i it very versatile and suitable for different applications.
- Low operating torque.

TECHNICAL DATA

DN: 40 - 2400 mm
Design pressure: up to 16 bar (20 bar upon request)
Body: GGG40 + C5H coating
Disc: Super Duplex ASTM A995 Gr.5A (PREN>40); Alternative - HALAR® coated disc, ASTM A351 CF8M, CF3M.
Liner: EPDM, NBR, VITON, SILICONE
Shaft: AISI-420 (F55 super duplex option).
Actuator: Manual, pneumatic, electric.



HIGH PRESSURE DUAL PLATE CHECK

FEATURES

- Model B for high pressures with optimal corrosion resistance.
- Compact wafer-type design reduces installation time and space.

TECHNICAL DATA

DN: 50 - 600 mm
Design pressure: up to 100 bar
Distance between faces: In compliance with API-594.
Body: ASTM A 995 Gr5A Super Duplex (PREN>40).
Plates: ASTM A 995 Gr5A Super Duplex (PREN>40)
Shaft: Super Duplex F55
Springs: Inconel 625
Seat: EPDM



LOW PRESSURE DUAL PLATE CHECK

FEATURES

- Models C or EMG with a rubberized body and optimal corrosion resistance.
- Wafer or flange models.

TECHNICAL DATA

DN: 40 - 1800 mm
Design pressure: up to 40 bar.
Body: ASTM A 995 Gr.5A Super Duplex (PREN>40). Alternative: GGG-40 fully coated with NBR or EPDM.
Plates: ASTM A 995 Gr.5A Super Duplex (PREN>40).
Shaft: Super Duplex F55.
Springs: Inconel 625
Seat: EPDM



BALL VALVES

FEATURES

- Design for high and low pressure.
- With threaded (NPT), welded (SW), and flanged (RF, FF) ends.

TECHNICAL DATA

Manufacturing and design: API 608
DN: DN15(1/2") – DN200 (8")
Design pressure: up to 100bar (800Lbs)
Ends: NPT, SW,BW, RF, FF
Flange connection:
ASME B16.5 (class150, 300, 600)
Body: Superduplex ASTM A182 F53 , ASTM A182-F316L
Ball: Superduplex ASTM A182 F53 , ASTM A182-F316L
Seat: PTFE
Actuator: Manual, pneumatic, electric.



PENSTOCKS

FEATURES

- Round and rectangular openings for wall mounting.
- Maximum protection against corrosion thanks to their stainless-steel materials, free of acids and passivated.

TECHNICAL DATA

Size: up to 4000 x 4000
Rating: Standard, up to 0.6 bar. Optional higher pressures.



HIGH PERFORMANCE BUTTERFLY

FEATURES

- On-off and modulating control
- Eccentric type
- Metal to metal seat available.

TECHNICAL DATA

Standard: Wafer ANSI #300, PN25
Between faces: EN558-1 and 2, series 20.



KNIFE GATE VALVE

FEATURES

- Bidirectional.
- Wafer type for high concentration fluids, including seawater sludge.

TECHNICAL DATA

DN: DN50 – DN600 (others on request).
Pressure: up to 16 bar (depending on diameters).
Body: ASTM A182-F53, AISI 316 (1.4401)
Knife: ASTM A182-F53, AISI 316 (1.4401)
Seat: EPDM, Nitrile
Actuator: Manual, pneumatic, electric.

WASTEWATER SOLUTIONS

BELGICAST offers you a wide range of options in terms of materials, as well as various coatings and special materials to meet your needs. We design our products to achieve the corrosion protection you need for even the most aggressive materials.

Our range of materials includes stainless steel and special materials to meet your needs. All our products are designed to the highest standards and have proven their reliability and durability around the world.

GATE VALVES DN40 MM TO 700 MM
PENSTOCKS 150 X 150 MM TO 4000 X 4000 MM
KNIFE GATE VALVES DN50 MM TO 400 MM
CHECK VALVES DN40 MM TO 400 MM
AERATION VALVES DN40 MM TO 100 MM



INFINITY GATE VALVE FOR WASTEWATER

FEATURES

- Gate valves featuring materials suitable for use with wastewater:
  - Vulcanized wedge (in NBR).
  - Shaft in AISI 316L.
  - Bronze/aluminum locking nut.

TECHNICAL DATA

DN: 40 - 700 mm
EN 1092-2 PN10, PN16
PFA: 10/16 bar
Face to face distance:
Series 14 (short F4), Series 15 (long F5).



PENSTOCKS

FEATURES

- Its uses include open channels, inlets and outlets to channels, sewers, wells, ponds, and pipes.
- Selection of materials, including stainless and special materials.
- 3 or 4-sided sealing with bidirectional watertightness.
- Non-abrasive guides.
- Easy to maintain.
- Simple installation.

TECHNICAL DATA

Modular structure for all operational situations and for individual designs and sizes.



KNIFE GATE VALVE

FEATURES

- Can be used in both flow directions as an intermediate valve or as an end of line valve. Even when the working pressure is at max, the threaded stem ensures easy handling.

TECHNICAL DATA

Nominal Diameter (DN): 50 - 400 mm
Nominal Pressure (PN): 10 bar from 50 to 350, 4 bar from DN400 to DN600
Materials:
Frame: EN-JL 1040.
Sliding plate, stem: stainless steel.



BALL CHECK VALVE

FEATURES

- Ball check valves are often used to protect pumps from wastewater.
- Available with threaded and flanged ends.

TECHNICAL DATA

DN: 1" a 3" – 40 a 400 mm
PFA: 10-16 bar



AIR VALVE

FEATURES

- Wide variety of wastewater air valves available.
- Degassing or trifunctional.

TECHNICAL DATA

DN: 40 - 100 mm
PFA: 10-16 bar
Materials:
- Body made of plastic material or ductile cast iron.
- Moving parts in polycarbonate and stainless steel.
- Corrosion resistant.

BELGICAST

WATER IS LIFE

BELGICAST Internacional, S.L.U.
Polígono Industrial La Cruz, Parcela P-4-1
48196 Lezama, Bizkaia - Spain
T +34 94 488 91 00 · **@** belgicast@belgicast.es

www.belgicast.eu

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