

A woman in a white lab coat is looking through a microscope in a laboratory. The microscope is mounted on a white lab bench with a green faucet. The scene is brightly lit, and the woman is focused on her work.

**A world of  
lab solutions**

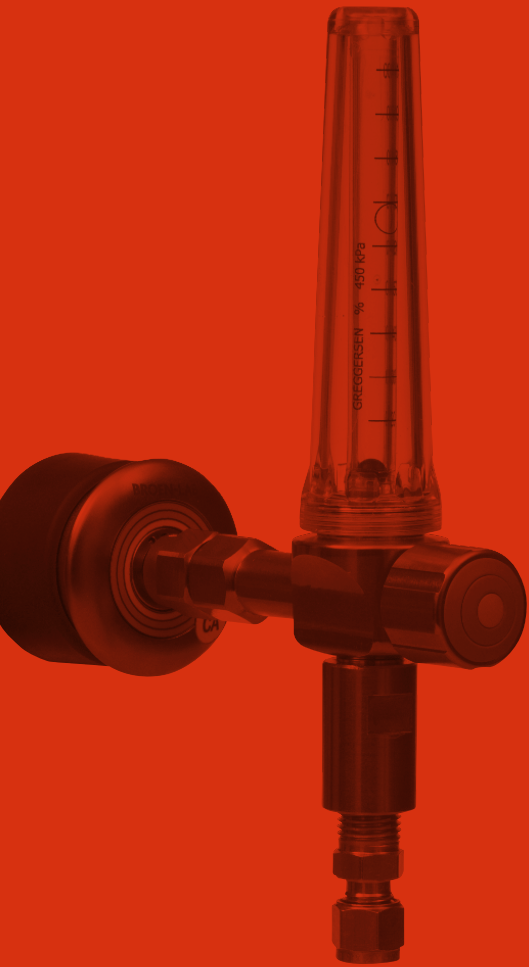
**BROEN-LAB**

# **BROEN-LAB**

BROEN-LAB develops, manufactures and sells a world of lab solutions to a broad spectrum of laboratories and industrial locations; sectors include Pharmaceutical, Food & Beverage and Academia. Our expertise and product quality ensure optimal solutions compliant to all relevant international norms setting new standards in risk mitigation in modern research and development facilities.

BROEN-LAB offers solutions that ensure the functionality, compliance, hygiene, durability and safety are of the highest priority. For more than 50 years our products have been integrated into a wide variety of workplaces, laboratories, hospitals and industrial locations, with features that are assessed and designed to be flexible, durable and compliant offering a broad range of options tailored to each location. This inherent design integrity provides confidence in the solution adopted wherever in the world these are applied.

**A world  
of lab  
solutions**





## What is **BROEN-LAB UniFlex™**?

BROEN-LAB UniFlex™ is a solution package to fulfil the requirements of the ever changing and demanding laboratory environment.

It includes a wide range of valves, outlets, fittings and hoses for different media types and applications, a perfect combination that ensures a long service life and low maintenance costs.

The heart of BROEN-LAB UniFlex™ is a unique and patented connection, which allows customers to choose from various connection methods, such as hoses, Cu-, PEX or stainless steel pipes, without changing the valve itself. It provides unique flexibility, not only for an installer but for the end-user as well.

BROEN-LAB UniFlex™ is the right choice when there is a need to adapt to external changes such as furniture design, trends, technical requirements, directives, etc.

<b>BROEN-LAB OFFERS</b>	<b>CUSTOMER BENEFITS</b>
Safe and Simple Installation Complete Range – One Stop Shopping Just-In-Time Deliveries	<b>MORE Efficiency</b>
One Valve – More Connections Approved as a Complete System Customization to Meet Customer Needs	<b>MORE Plug &amp; Play</b>
Media Indication According to EN 13792 Uniform Design / Dimensions Fewer connections points	<b>MORE Simplicity</b>
Double Sealing 100 % Testing BROEN-LAB Polycoat Powder Coating	<b>MORE Quality</b>

**PREMIUM**





## BROEN-LAB UniFlex™

### - fittings for water

BROEN-LAB UniFlex™ fittings for water are adapted to use in modern laboratories and offer the following options:

- **Wide range of single taps and mixers**
- **Anti-wobble “tulip” shaped handle or wrist action lever**
- **Media indication according to EN 13792:2002**
- **Several outlet connections:**
  - removable hose nozzle with a union nut
  - fixed serrated hose nozzle
  - quick release coupling
- **Integrated BALLOFIX® ball valve**
- **Several headworks:**
  - ceramic with 180° open/close function
  - rubber with 2x360° open/close function
  - ceramic with 90° open/close function (for wrist action levers)
- **Integrated check valve, which prevents backflow**
- **Integrated flow restrictor, which allows saving of water**
- **Anti-rotational device**
- **Many installation options**



**PREMIUM** **BASIC**

## BROEN-LAB UniFlex™

### - fittings for special water

BROEN-LAB UniFlex™ fittings for special water are designed specially to eliminate corrosion problems in connection with use of purified water. Fittings offer a number of advantages:

- **Complete line of Stainless Steel fittings**
- **Complete line of plastic lined fittings**
- **Recirculating fittings for high purity water**
- **Media indication according to EN 13792:2002**
- **Designed to ensure maximum purity of the water**
- **Uniform design with the rest of the BROEN-LAB UniFlex™ programme**
- **PTFE diaphragm headwork with open/close function 1.5 x 360°**
- **Many installation options**



**PREMIUM** **BASIC**

## BROEN-LAB UniFlex™

- fittings for burning gases

BROEN-LAB UniFlex™ fittings for burning gases are available in many configurations depending on specifications and applications. The following options are available:

- Media indication according to EN 13792:2002
- Fittings with a powder coated safety metal handle with "POP-UP" indication buttons
- Ceramic press/turn headwork preventing from unintentional opening of the valve
- Integrated BALLOFIX® ball valve
- Quick release couplings for easy and immediate connection and safe disconnection
- Lift/turn valves based on BALLOFIX® ball valve
- Many installation options



**PREMIUM** **BASIC**

## BROEN-LAB UniFlex™

- fittings for non-burning 2.0 gases

BROEN-LAB UniFlex™ fittings for non-burning 2.0 (99%) gases offer the following features:

- Media indication according to EN 13792:2002
- Several outlet connections:
  - removable hose nozzle with a union nut
  - fixed serrated hose nozzle
  - hexagon coded quick release coupling
- Integrated BALLOFIX® ball valve
- Several headworks:
  - high flow
  - needle
  - micro flow
  - 1/4" turn
- Many installation options



**PREMIUM** **BASIC**

## BROEN-LAB UniFlex™

- fittings for non-burning 4.0 gases/oxygen

BROEN-LAB UniFlex™ fittings for non-burning 4.0 (99,99%) gases offer the following features:

- Media indication according to EN 13792:2002
- Ultrasonically cleaned gas wetted components
- Materials approved for use with Oxygen services
- Several outlet connections:
  - removable hose nozzle with a union nut
  - fixed serrated hose nozzle
  - hexagon coded quick release coupling
- Several headworks:
  - needle
  - micro flow
  - 1/4" turn
- Many installation options



**PREMIUM** **BASIC**

## BROEN-LAB Cleanline 502

BROEN-LAB CLEANLINE 502 fittings for non-burning 5.0 (99,999%) gases offer the following features:

- Uniform design in line with existing BROEN-LAB UniFlex™ range
- Double versions with a pressure regulator for bench and suspended mounting
- New valves with integrated stop valve
- Ultrasonically cleaned gas wetted components
- Media indication according to EN 13792:2002
- Metal diaphragm type pressure regulators for a good pressure control and reliable service
- Wide range of outlet connections:
  - hose nozzles
  - Swagelok™ tube fittings
- Several headworks:
  - high flow
  - needle
  - micro flow
- Many installation options



**PREMIUM** **BASIC**



## **BROEN-LAB Quick Connect**

- Base unit without flow valve
- Simple, safe and quick operation
- Available for water, technical and burning gases
- Applicable for to 5.0 gases as well
- Up to 21 different keys
- Media indication according to EN 13792:2002
- Inlet connection: BROEN-LAB UniFlex™
- Flexible choice of outlet accessories and connections:
  - flow regulating valve
  - pressure regulator
  - simple outlets with hose nozzle or Swagelok™ tube fittings
- Many installation options





## **BROEN-LAB EMERGENCY SHOWER SYSTEMS**

BROEN-LAB offers a complete range of body, eye and hand showers for applications in laboratories, manufacturing, pharmaceutical and petrochemical industry. BROEN-LAB Emergency Shower Systems ensure optimum relief after an accident and comply with the following international norms:

**EN15154 part 1&2: 2006 (3d party certificate)**

**ANSI Z358.1: 2009 (3d party certificate)**

### **Hand-held Eye Shower**

#### **FEATURES & BENEFITS**

- Unique design
- Easy-to-clean spray head
- Safer operation with the improved trigger lock
- Light weight and well-balanced construction
- Improved operation
- Complies with international standards



reddot design award  
winner 2013







## Self-draining Shower Head

### FEATURES & BENEFITS

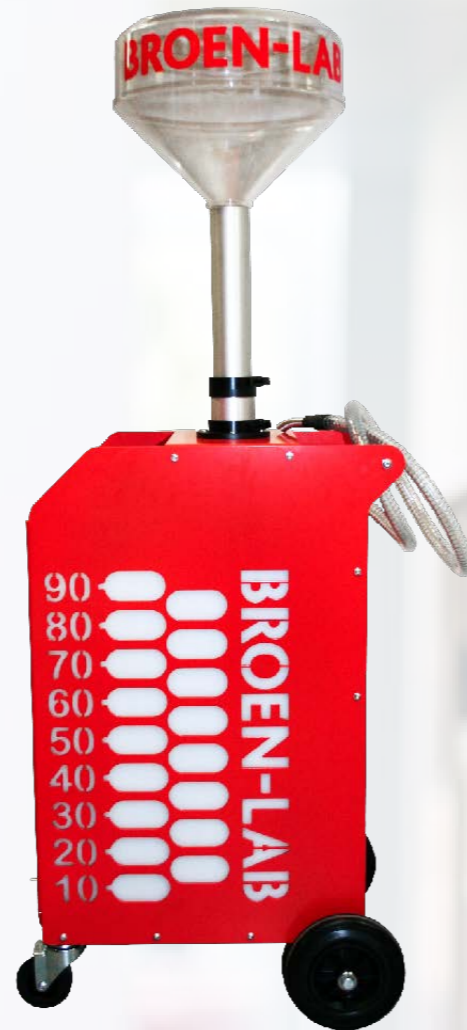
- Self-draining, anti-limescale - prevents bacteria build-up and reduces maintenance
- Complies to both EN & ANSI Standards
- Chemical resistant PPO plastics
- Soft water spread
- Available for 1/2", 3/4" and 1" pipes



## Fast and Easy testing of Emergency Showers and Eye Washes

BROEN-LAB offers measuring equipment for testing of emergency showers and eye washes. These devices help to speed up and simplify manual monthly performance checks in compliance with the requirements of EN 15154 part 1&2: 2006 as well as ANSI Z358.1-2009.

- A single device can be used for a range of different checks:
- Volume flow measurement
- Visual check of spray patterns
- Visual check of water quality



## The BROEN-LAB Trolley

The BROEN-LAB Trolley enables checks for volume flow, jet height and water quality to be carried out in a quick and hygienic manner by just one person. As a result, testing can be quickly and effectively achieved without handling buckets and having to clear up spillages.

The practical trolley comes equipped with a sturdy funnel to ensure that you do not spill a drop of water. It is easily adjustable and can be raised to a maximum height of 2.3 metres. Thanks to the powerful pump, the large capacity trolley can be emptied again in a matter of seconds.

## Emergency First Aid box with Eyewash Bottles

Where water is not immediately available the BROEN-LAB Emergency First Aid box can provide assistance quickly. Its contents mean treatment can begin immediately saving time required to move to a fixed emergency shower, before medical treatment.

The BROEN-LAB Emergency First Aid box can have its contents configured to meet local needs making it both versatile and relevant to the hazards present:

- Rinsing bottle with eyewash solution
- Eyewash bottle with pH neutral solution
- Wound cleaning wipes
- Wound dressings
- When removed, self-opening plaster dispensers
- Cooling gel





#### **MAIN OFFICE**

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## **We take your responsibility seriously**

BROEN-LAB solutions are used by professional users in many kinds of laboratories, from the education and health sectors to industry in general.

BROEN-LAB's products are already an integrated part of many workplaces. From fittings for purified water, nitrogen, vacuum and compressed air, to the control and regulation of pure gases in critical applications such as a gas chromatography and spectrometry.

BROEN-LAB is also a world leader in the supply of emergency showers, eye washes and safety equipment to professional laboratories, education sector and industrial workplaces. Our complete solutions are designed and developed for dynamic workplaces, and the system is modular so that transport and installation are as simple as possible.



**Contact a specialist**

- and find out more about what BROEN-LAB can do for your business

**BROEN-LAB**

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