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BROEN-LAB UniFlex™ BASIC line offers high quality and durability combined with the complete program, which adds up to low LCC (Life Cycle Costs).

BROEN-LAB UniFlex™ BASIC offers a unique and patented connection, which allows customers to choose from various connection methods, such as hoses, Cu, PEX of Stainless Steel pipes, without changing the valve itself. It provides unique flexibility, not only for the installer, but also for the end-user. Due to the flexibility of the system, the quick installation and savings on fittings, this system offers lower TIC (Total Installed Costs).

The operation and the configuration of the BROEN-LAB UniFlex™ BASIC fittings are highly adapted to the requirements of modern laboratories in the educational sector.

The fittings are manufactured of the highest quality materials. The surface of laboratory fittings is treated with BROEN-LAB POLYCOAT powder coating, which makes the surface highly resistant to most chemicals, UV fading and heat.

Most BROEN-LAB UniFlex™ BASIC fittings for water are as a standard delivered with a fixed plastic hose nozzle and a plastic handle. As an option it is possible to get water fittings with an integrated check valve, which prevents backflow. The fittings are delivered with easy-to-mount anti-rotational mounting kit.

THIS IS BROEN-LAB UNIFLEX™

BROEN-LAB UniFlex™ is a unique and patented connection, which allows customers to choose from various connection methods, such as hoses, Cu, PEX of Stainless Steel pipes, without changing the valve itself. It provides unique flexibility, not only for the installer, but also for the end-user. Due to the flexibility of the system, the quick installation and savings on fittings, this system offers lower TIC (Total Installed Costs).
PRODUCT OVERVIEW

UniFlex™ male

Plastic handle

Aerator, anti-splash nozzle

Removable plastic nozzle

Fixed plastic nozzle

Check valve (optional)

Rubber headwork

UniFlex™ female

M30 x 1.5 x 60mm

UniFlex™ male

1/2 NPT x 60mm

UniFlex™ female

BROEN-LAB UNIFLEX™ HOSES

UniFlex™ male

Standard length: 700mm

OD 10mm Code “B”

OD 15mm Code “H”

G3/8 Code “D”

G1/2 Code “E”
**SPECIFICATIONS**

**Handle:** Plastic, with media indication according to EN13792

**Spout:** Full swivel action

**Hose nozzle:** Fixed plastic (can be unscrewed by hand, thread: male G3/8)

**Headwork:** Rubber (wrist action lever: ceramic)

**Opening/closing function:** 2 x 360° (wrist action lever: 90°)

**Temperature range:** 0-65°C

**Max. working pressure:** 10 bar / 147 psi

**Test pressure:** 1 x working pressure

**Weight:** 1.4 kg

**MATERIALS WITH MEDIA CONTACT**

**Metals:** Brass

**Plastics:** PP, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al₂O₃ 96% (wrist action lever only)

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:
- aerator
- removable plastic hose nozzle
- integrated non-return valve
- fixed spout (rear, left or right)
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-Potable Hot)

**BENCH MOUNTED FITTING WITH SWIVEL SPOUT**

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.

**WWW.BROEN-LAB.COM**
BENCHMARK FITTING MOUNTED ON A COLUMN

SPECIFICATIONS

Handle: Plastic, with media indication according to EN13792
Hose nozzle: Fixed plastic (can be unscrewed by hand, thread: male G3/8)
Headwork: Rubber (wrist action lever: ceramic)
Opening/closing function: 2 x 360° (wrist action lever: 90°)
Temperature range: 0-65°C
Max. working pressure: 10 bar / 147 psi
Test pressure: 1 x working pressure
Weight: 1.5 kg

MATERIALS WITH MEDIA CONTACT

Metals: Brass
Plastics: PP, SPX (hose)
Sealing: EPDM
Lubricant: Silicone based
Ceramics: Al₂O₃ 96% (wrist action lever only)

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:
- aerator
- removable plastic hose nozzle
- integrated non-return valve
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-Potable Hot)

<table>
<thead>
<tr>
<th>Media</th>
<th>S = 150mm</th>
<th>S = 200mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable water, cold</td>
<td>2533 085 1001-52B</td>
<td>2533 097 1001-52B</td>
</tr>
<tr>
<td>Non-potable water, cold</td>
<td>2533 085 1007-52B</td>
<td>2533 097 1007-52B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Media</th>
<th>S = 150mm</th>
<th>S = 200mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable water, cold</td>
<td>2533 095 1001-52B</td>
<td>2533 147 1001-52B</td>
</tr>
<tr>
<td>Non-potable water, cold</td>
<td>2533 095 1007-52B</td>
<td>2533 147 1007-52B</td>
</tr>
</tbody>
</table>

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
**SPECIFICATIONS**

**Handle:** Plastic, with media indication according to EN13792

**Hose nozzle:** Fixed plastic (can be unscrewed by hand, thread: male G3/8)

**Headwork:** Rubber (wrist action lever: ceramic)

**Opening/closing function:** 2 x 360° (wrist action lever: 90°)

**Temperature range:** 0-65°C

**Max. working pressure:** 10 bar / 147 psi

**Test pressure:** 1 x working pressure

**Weight:** 2.5 kg

**MATERIALS WITH MEDIA CONTACT**

**Metals:** Brass

**Plastics:** PP, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** $\text{Al}_2\text{O}_3$ 96% (wrist action lever only)

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:
- aerator
- removable plastic hose nozzle
- integrated non-return valve
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-Potable Hot)

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
TWO VALVE BENCH MOUNTED FITTING ON A TEE-SHAPED COLUMN

SPECIFICATIONS
- **Handle:** Plastic, with media indication according to EN13792
- **Hose nozzle:** Fixed plastic (can be unscrewed by hand, thread: male G3/8)
- **Headwork:** Rubber (wrist action lever: ceramic)
- **Opening/closing function:** 2 x 360° (wrist action lever: 90°)
- **Temperature range:** 0-65°C
- **Max. working pressure:** 10 bar / 147 psi
- **Test pressure:** 1 x working pressure
- **Weight:** 2.3 kg

MATERIALS WITH MEDIA CONTACT
- **Metals:** Brass
- **Plastics:** PP, SPX (hose)
- **Sealing:** EPDM
- **Lubricant:** Silicone based
- **Ceramics:** Al₂O₃ 96% (wrist action lever)

ORDERING INFORMATION
For standard configuration please refer to the item numbers below.

Other options:
- aerator
- removable plastic hose nozzle
- integrated non-return valve
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-Potable Hot)

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
BENCH MOUNTED FITTING ON A COLUMN WITH SWIVEL SPOUT

SPECIFICATIONS

Handle: Plastic, with media indication according to EN13792
Spout: Full swivel action
Hose nozzle:
- U-shape - fixed plastic (can be unscrewed by hand)
- S-shape - removable plastic
Headwork: Rubber (wrist action lever: ceramic)
Opening/closing function: 2 x 360° (wrist action lever: 90°)
Temperature range: 0-65°C
Max. working pressure: 10 bar / 147 psi
Test pressure: 1 x working pressure
Weight: 2 kg

MATERIALS WITH MEDIA CONTACT

Metals: Brass
Plastics: PP, SPX (hose)
Sealing: EPDM
Lubricant: Silicone based
Ceramics: Al₂O₃ 96% (wrist action lever)

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:
- aerator
- removable plastic hose nozzle (U-shape)
- wrist action lever
- integrated non-return valve
- T = 200mm
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-Potable Hot)

Model: Plastic handle

<table>
<thead>
<tr>
<th>Media</th>
<th>S = 150mm</th>
<th>S = 200mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable water, cold</td>
<td>2533 141 1001-52B</td>
<td>2533 142 1001-52B</td>
</tr>
<tr>
<td>Non-potable water, cold</td>
<td>2533 141 1007-52B</td>
<td>2533 142 1007-52B</td>
</tr>
</tbody>
</table>

Model: Plastic handle

<table>
<thead>
<tr>
<th>Media</th>
<th>S = 150mm</th>
<th>S = 200mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable water, cold</td>
<td>2533 143 1001-52B</td>
<td>2533 144 1001-52B</td>
</tr>
<tr>
<td>Non-potable water, cold</td>
<td>2533 143 1007-52B</td>
<td>2533 144 1007-52B</td>
</tr>
</tbody>
</table>

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
THREE VALVE BENCH MOUNTED FITTING

SPECIFICATIONS

Handle: Plastic, with media indication according to EN13792
Spout: Full swivel action
Hose nozzle: Fixed plastic (can be unscrewed by hand from angle valves, thread: male G3/8)
Headwork: Rubber (wrist action lever: ceramic)
Opening/closing function: 2 x 360° (wrist action lever: 90°)
Temperature range: 0-65°C
Max. working pressure: 10 bar / 147 psi
Test pressure: 1 x working pressure
Weight: 3 kg

MATERIALS WITH MEDIA CONTACT

Metals: Brass
Plastics: PP, SPX (hose)
Sealing: EPDM
Lubricant: Silicone based
Ceramics: Al₂O₃ 96% (wrist action lever only)
Solder: DIN L-Ag55:Sn

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.
Other options:
- aerator
- removable plastic hose nozzle
- integrated non-return valve
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-Potable Hot)

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
**SPECIFICATIONS**

**Handle:** Plastic, with media indication according to EN13792

**Hose nozzle:** Fixed plastic (can be unscrewed by hand, thread: male G3/8)

**Headwork:** Rubber (wrist action lever: ceramic)

**Opening/closing function:** 2 x 360° (wrist action lever: 90°)

**Temperature range:** 0-65°C

**Max. working pressure:** 10 bar / 147 psi

**Test pressure:** 1 x working pressure

**Weight:** 1.0 kg

**MATERIALS WITH MEDIA CONTACT**

**Metals:** Brass

**Plastics:** PP, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al₂O₃ 96% (wrist action lever only)

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:
- aerator
- removable plastic hose nozzle
- integrated non-return valve
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-Potable Hot)

**Model: Plastic handle**

<table>
<thead>
<tr>
<th>Media</th>
<th>S = 150mm</th>
<th>S = 200mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable water, cold</td>
<td>2533 136 1001-52B</td>
<td>2533 137 1001-52B</td>
</tr>
<tr>
<td>Non-potable water, cold</td>
<td>2533 136 1007-52B</td>
<td>2533 137 1007-52B</td>
</tr>
</tbody>
</table>

**Model: Wrist action lever**

<table>
<thead>
<tr>
<th>Media</th>
<th>S = 150mm</th>
<th>S = 200mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable water, cold</td>
<td>2533 138 1001-52B</td>
<td>2533 139 1001-52B</td>
</tr>
<tr>
<td>Non-potable water, cold</td>
<td>2533 138 1007-52B</td>
<td>2533 139 1007-52B</td>
</tr>
</tbody>
</table>

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
**SPECIFICATIONS**

**Handle:** Plastic, with media indication according to EN13792

**Spout:** Full swivel action

**Hose nozzle:** Fixed plastic (can be unscrewed by hand, thread: male G3/8)

**Headwork:** Rubber (wrist action lever: ceramic)

**Opening/closing function:** 2 x 360° (wrist action lever: 90°)

**Temperature range:** 0-65°C

**Max. working pressure:** 10 bar / 147 psi

**Test pressure:** 1 x working pressure

**Weight:** 1.8 kg

**MATERIALS WITH MEDIA CONTACT**

**Metals:** Brass

**Plastics:** PP, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al₂O₃ 96% (wrist action lever only)

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:
- aerator
- removable plastic hose nozzle
- integrated non-return valve
- fixed spout
- alternative hose inlet connection / without a hose
- OD 10mm Cu pipes
- other inlet options
- national approvals

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
**SPECIFICATIONS**

**Handle:** Plastic, with media indication according to EN13792

**Hose nozzle:** Fixed plastic (can be unscrewed by hand, thread: male G3/8)

**Headwork:** Rubber

**Opening/closing function:** 2 x 360°

**Temperature range:** 0-65°C

**Max. working pressure:** 10 bar / 147 psi

**Test pressure:** 1 x working pressure

**Weight:** 2.5 kg

**MATERIALS WITH MEDIA CONTACT**

**Metals:** Brass

**Plastics:** PP, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:
- aerator
- removable plastic hose nozzle
- wrist action lever
- models with single valve, 2 valves in 90° and 4 valves
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-potable Hot)

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.

### Media 2-valve 180°

<table>
<thead>
<tr>
<th>Media</th>
<th>2530 064 1001-52B</th>
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</thead>
<tbody>
<tr>
<td>Potable water, cold</td>
<td></td>
</tr>
<tr>
<td>Non-potable water, cold</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Media</th>
<th>2530 064 1007-52B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable water, cold</td>
<td></td>
</tr>
<tr>
<td>Non-potable water, cold</td>
<td></td>
</tr>
</tbody>
</table>
SPECIFICATIONS

Handle: Metal, BROEN-LAB POLYCOAT powder coated
Spout: Swivel action
Hose nozzle: Aerator
Cartridge: Ceramic (temperature and flow regulation type)
Opening/closing function: 25°, mixing function: ±45°
Temperature range: 0°C - 90°C
Max. working pressure: 10 bar / 147 psi
Test pressure: 1 x working pressure
Weight: 2.4 kg

MATERIALS WITH MEDIA CONTACT

Metals: Brass
Plastics: POM, PTFE, SPX (hose)
Sealing: EPDM
Lubricant: Silicone based
Ceramics: Al₂O₃ 96%

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.
Other options:
- integrated non-return valve
- removable and fixed hose nozzles
- flow restrictor (5 l/min
- alternative hose inlet connections
- OD 10mm Cu pipes

Model | S = 150mm | S = 200mm | S = 250mm | S = 300mm
--- | --- | --- | --- | ---
2535 038 1035-52B | 2535 039 1035-52B | 2535 040 1035-52B | 2535 041 1035-52B

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
SINGLE HANDLE MIXER BENCH MOUNTED WITH HAND SHOWER

SPECIFICATIONS

Handle: Metal, BROEN-LAB POLYCOAT powder coated
Spout: Swivel action
Hose nozzle: Aerator
Cartridge: Ceramic (temperature and flow regulation type)
Opening/closing function: 25°, mixing function: ±45°
Temperature range: 0°C - 90°C
Max. working pressure: 10 bar / 147 psi
Test pressure: 1 x working pressure
Weight: 3.0 kg

MATERIALS WITH MEDIA CONTACT

Metals: Brass
Plastics: POM, PTFE, SPX (hose), ABS
Sealing: EPDM
Lubricant: Silicone based
Ceramics: Al₂O₃ 96%

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.
Other options:
- integrated non-return valve
- removable and fixed hose nozzles
- flow restrictor (5 l/min)

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
**SPECIFICATIONS**

*Handle:* Metal, BROEN-LAB POLYCOAT powder coated

*Spout:* Swivel action

*Hose nozzle:* Aerator

*Cartridge:* Ceramic (temperature and flow limiting type)

*Opening/closing function:* 25°, mixing function: ±45°

*Temperature range:* 0°C - 90°C

*Max. working pressure:* 10 bar / 147 psi

*Test pressure:* 1 x working pressure

*Inlets:* Eccentric couplings with male G1/2

*Weight:* 1.5 kg

**MATERIALS WITH MEDIA CONTACT**

*Metals:* Brass

*Plastics:* POM, PTFE, SPX (hose)

*Sealing:* EPDM

*Lubricant:* Silicone based

*Ceramics:* Al₂O₃ 96%

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:
- removable hose nozzle
- bench mounted model
- different inlet connections

(with BROEN-LAB UniFlex™ rear wall connection, lead-in, etc)

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<table>
<thead>
<tr>
<th>Model</th>
<th>S = 200mm</th>
<th>S = 250mm</th>
<th>S = 300mm</th>
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<tbody>
<tr>
<td>Short Handle</td>
<td>2535 010 1035</td>
<td>2535 004 1035</td>
<td>2535 016 1035</td>
</tr>
<tr>
<td>Long Handle</td>
<td>2535 007 1035</td>
<td>2535 001 1035</td>
<td>2535 013 1035</td>
</tr>
</tbody>
</table>

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
ONE HANDLE MIXER WITH SWIVEL SPOUT

SPECIFICATIONS
Handle: Metal, BROEN-LAB POLYCOAT powder coated
Spout: 110° limited swivel action
Hose nozzle: Removable plastic (aerator included)
Cartridge: Ceramic (temperature and flow limiting type)
Opening/closing function: 25°, mixing function: ±45°
Temperature range: 0°C - 65°C
Max. working pressure: 10 bar / 147 psi
Weight: 2.8 kg

MATERIALS WITH MEDIA CONTACT
Metals: Brass
Plastics: PP, POM, PTFE, SPX (hose)
Sealing: EPDM
Lubricant: Silicone based
Ceramics: Al₂O₃ 96%

ORDERING INFORMATION
For standard configuration please refer to the item numbers below.
Other options:
- no swivel action
- full swivel action

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
WALL AND BENCH MOUNTED 2-HOLE 2-HANDLE MIXERS
WITH SWIVEL SPOUT

SPECIFICATIONS

Handle: Plastic, with media indication according to EN13792
Hose nozzle: Fixed plastic (can be unscrewed by hand, thread: male G3/8)
Headwork: Rubber
Opening/closing function: 2 x 360°
Temperature range: 0-65°C
Max. working pressure: 10 bar / 147 psi
Test pressure: 1 x working pressure
Weight: 1.7 kg

MATERIALS WITH MEDIA CONTACT

Metals: Brass
Plastics: PP, SPX (hose)
Sealing: EPDM
Lubricant: Silicone based
Ceramics: Al₂O₃ 96%

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:
- aerator
- flow restrictor (5 l/min)
- integrated check valve
- fixed spout
- S-spout for wall mounted model
- wrist action lever
- other options for hose inlet connections

For further information please contact your local BROEN-LAB representative.

Model: Wall mounted

<table>
<thead>
<tr>
<th>Media</th>
<th>S = 150mm</th>
<th>S = 200mm</th>
<th>S = 250mm</th>
<th>S = 300mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable water, cold/hot</td>
<td>2536 279 1039-52B</td>
<td>2536 215 1039-52B</td>
<td>2536 280 1039-52B</td>
<td>2536 281 1039-52B</td>
</tr>
<tr>
<td>Non-potable water, cold/hot</td>
<td>2536 279 1040-52B</td>
<td>2536 215 1040-52B</td>
<td>2536 280 1040-52B</td>
<td>2536 281 1040-52B</td>
</tr>
</tbody>
</table>

Model: Bench mounted

<table>
<thead>
<tr>
<th>Media</th>
<th>S = 150mm</th>
<th>S = 200mm</th>
<th>S = 250mm</th>
<th>S = 300mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potable water, cold/hot</td>
<td>2536 274 1039-52B</td>
<td>2536 214 1039-52B</td>
<td>2536 275 1039-52B</td>
<td>2536 276 1039-52B</td>
</tr>
<tr>
<td>Non-potable water, cold/hot</td>
<td>2536 274 1040-52B</td>
<td>2536 214 1040-52B</td>
<td>2536 275 1040-52B</td>
<td>2536 276 1040-52B</td>
</tr>
</tbody>
</table>

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
SINGLE WATER FITTINGS

No. 2530 317 10xx-08 (S=50mm)
No. 2530 315 10xx-08 (S=75mm)

Valve for suspended or wall mounting with a plastic handle, a rubber headwork and a fixed plastic nozzle (can be unscrewed by hand).

For media XX and other inlet options please refer to page 27 or contact your BROEN-LAB sales representative.

Materials with medium contact:
- Metals: Brass
- Plastics: PP
- Sealing: EPDM
- Lubricant: Based on silicone

No. 2532 199 10xx-08

Valve for suspended or wall mounting with a plastic handle, a rubber headwork and a fixed plastic nozzle (can be unscrewed by hand).

For media XX and other inlet options please refer to page 27 or contact your BROEN-LAB sales representative.

Materials with medium contact:
- Metals: Brass
- Plastics: PP
- Sealing: EPDM
- Lubricant: Based on silicone

NEW MODELS ARE AVAILABLE

Please contact your BROEN-LAB representative for more information!

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.

WWW.BROEN-LAB.COM
BROEN-LAB offers BROEN-LAB UniFlex™ hoses as an easy way to make the installation in the laboratory where safety and efficiency are required. BROEN-LAB UniFlex™ hoses are the ideal solution where there is a higher requirement for flexibility. Installation with flexible hoses saves you time and labor - in other words reduced installation costs.

A wide range of fittings and lengths available for BROEN-LAB UniFlex™ hoses enables customers to choose the perfect hose for their application.

BROEN-LAB UniFlex™ hoses for water are manufactured of soft cross-linked polyethylene (SPX), which is approved for use with drinking water and meets all hygienic requirements. From the outside the hose is secured by a Stainless Steel braiding that ensures long service life and durability.

If you still prefer a standard way of installation with Cu, Stainless Steel, or PEX-pipes, BROEN-LAB offers a wide range of connection fittings and adaptors for pipes of different dimensions.

For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.
**INLET CONNECTIONS**
93 V XX XX XXXX

- Male G3/8 fixed connection (Code 32)
- Male G1/2 fixed connection (Code 31)
- Male G3/4 fixed connection (Code 33)
- Female G3/8 union nut connection (Code 41)
- Female G1/2 union nut connection (Code 40)
- Female G3/4 union nut connection (Code 42)
- OD10mm connection for compression fittings (Code 10)
- OD12mm connection for compression fittings (Code 12)
- OD15mm connection for compression fittings (Code 15)
- OD15mm connection for press fittings (Code 65)
- Straight BROEN-LAB UniFlex™ connection with EPDM O-ring (Code 20)
- 45° BROEN-LAB UniFlex™ connection with EPDM O-ring (Code 25)
- 90° BROEN-LAB UniFlex™ connection with EPDM O-ring (Code 30)

**OUTLET CONNECTIONS**
93 V XX XX XXXX

- Straight BROEN-LAB UniFlex™ connection with EPDM O-ring (Code 20)
- 45° BROEN-LAB UniFlex™ connection with EPDM O-ring (Code 25)
- 90° BROEN-LAB UniFlex™ connection with EPDM O-ring (Code 30)

**HOSE**
93 V XX XX XXXX

- SPX hose with braiding in stainless steel
- Marking for water with Part no. and Media indication

**HOSE LENGTHS**

- Definition of length (L)
- Definition of length (L)

If 45° and 90° elbows occur on the same hose, it will as default be mounted in U-form

**PLEASE NOTE:**
M10 connections can only be used to mixer and multimedia fittings

*All O-rings are lubricated with silicone based lubricant

**SPECIFICATIONS**

- **Inner hose material:** SPX (soft PEX)
- **Braiding:** Stainless steel with one green stripe
- **Materials with media contact:** SPX, brass, EPDM and silicone based lubricant
- **Sealing:** EPDM, Aramid fiber/NBR
- **Inside diameter:** 8.2mm
- **Outside diameter:** 12mm
- **Max. working pressure:** 10 bar
- **Max. working temperature:** 90°C
- **Bending radius (inner):** ≥ 40mm
- **Min. length with connections:** 160mm

**EXEMPLARY OF HOSE CONFIGURATION**

1200mm hose with OD 12mm inlet connection and straight UniFlex™ outlet connection

**93V12201200**

* Other lengths are available on request
SPECIFICATIONS
BROEN-LAB UniFlex™ water fittings with plastic handles are delivered with rubber headworks.
Water fittings with rubber headwork offer quick and precise adjustment and a long service life.
Opening/closing function: 2 x 360° turn
Media: Hot/cold water
Temperature range: Please refer to the individual fitting
Max. working pressure: 10 bar / 147 psi

MATERIALS WITH MEDIA CONTACT
Metals: Brass
Sealing: EPDM
Lubricant: Silicone based

ORDERING INFORMATION
Rubber headwork
No. 1977000

CERAMIC HEADWORK
WRIST ACTION LEVER

SPECIFICATIONS
BROEN-LAB UniFlex™ PREMIUM water fittings with wrist action lever are delivered with a ceramic 90° turn headwork.
Opening/closing function: 90° turn
Media: Hot/cold water
Temperature range: Maximum 90°C
Max. working pressure: 10 bar / 147 psi
Test pressure: 1 x working pressure

MATERIALS WITH MEDIA CONTACT
Metals: Brass
Sealing: EPDM
Plastics: POM
Lubricant: Silicone based
Ceramics: Al-oxyd 96%

ORDERING INFORMATION
LEFT TURN CLOSING
Ceramic headwork
No. 1976400

RIGHT TURN CLOSING
Ceramic headwork
No. 1976500
<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
<th>BROEN-LAB item No.</th>
</tr>
</thead>
</table>
| ![Adaptor for aerator](image1.png) | Adaptor for aerator  
M19x1 - M22x1  
(G3/8A - M22x1)  
(fits 2534- and 2536-models) | 2539 005 1001  
2539 064 1001 |
| ![Aerator](image2.png) | Aerator  
Thread: M22x1  
Thread: female G1/2 | 2539 006 1001  
19 025 009 |
| ![Adaptor for removable plastic nozzle](image3.png) | Adaptor for removable plastic nozzle  
M19x1 - G1/2  
G3/8 - G1/2 | 2539 003 1001  
2539 048 1001 |
| ![Removable plastic nozzle](image4.png) | Removable plastic nozzle  
(thread: female G1/2) | 2539 004 1001 |
| ![Fixed plastic nozzle](image5.png) | Fixed plastic nozzle  
Thread: M19x1  
Thread: G3/8 | 2539 010 1001  
2539 040 1001 |
| ![Water jet filter pump](image6.png) | Water jet filter pump  
(inlet: union nut G3/4, adapter to female G1/2 is included) | 19 199 009 |
| ![Mounting set for G1/2 connection](image7.png) | Mounting set for G1/2 connection | 19141000 |
| ![1/2"NPT inlet with female BROEN-LAB UniFlex™ connection](image8.png) | 1/2"NPT inlet with female BROEN-LAB UniFlex™ connection (incl. O-ring)  
L=30mm  
L=60mm  
L=90mm | 1550233V  
1527454V  
1550246V |
| ![Mounting set for M30x1,5 connection](image9.png) | Mounting set for M30x1,5 connection | 19 190 000 |
| ![Threaded inlet pipe M30x1,5](image10.png) | Threaded inlet pipe M30x1,5  
L=30mm  
L=60mm  
L=90mm | 19190003  
19190002  
19190004 |
## ACCESSORIES / SPARE PARTS

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
<th>BROEN-LAB item No.</th>
</tr>
</thead>
</table>
| ![Plastic handle with media indication](image) | Plastic handle with media indication according to EN 13792 | 191501401001 (WPC)  
191501401002 (WPH)  
191501401007 (WNC)  
191501401008 (WNH) |
| ![Wrist action lever](image) | Wrist action lever (handle only)     | 1916433G-5168 (green)            |
Generally, item number for BROEN-LAB UniFlex fittings has the following structure:

```
25 XX XXX 10 XX - XX X
```

- **BROEN-LAB Series no.**
- **Models**
  - 30 - Angle valves
  - 32 - Straight valves
  - 33 - Valves on a column
  - 34 - One handle water fittings
  - 35 - One handle mixers
  - 36 - Two handle mixers

- **Serial number**

- **Hose type**
  - blank - none
  - B - 0.7m with OD10mm
  - C - Cu pipes
  - D - 0.7m with G3/8 union nut
  - E - 0.7m with G1/2 union nut
  - H - 0.7m with OD15mm

- **Country code**
  - 10 - International
  - 30 - Japan
  - 80 - Denmark
  - 81 - Germany
  - 82 - UK
  - 83 - Benelux
  - 84 - Australia

- **Inlet type**
  - 05 - 30mm, 1/2”NPT-BROEN-LAB UniFlex™
  - 14 - 60mm, 1/2”NPT-BROEN-LAB UniFlex™
  - 18 - 90mm, 1/2”NPT-BROEN-LAB UniFlex™
  - 02 - 30mm, G1/2-Ø14,7x6,4 (EN200 type C)
  - 08 - 60mm, G1/2-Ø14,7x6,4 (EN200 type C)
  - 17 - 90mm, G1/2-Ø14,7x6,4 (EN200 type C)
  - 50 - 30mm, M30x1.5
  - 52 - 60mm, M30x1.5
  - 54 - 90mm, M30x1.5

- **Media code**
  - 01 - Water potable, cold (WPC)
  - 02 - Water potable, hot (WPH)
  - 07 - Water non-potable, cold (WNC)
  - 08 - Water non-potable, hot (WNH)
  - 35 - Tempered water (one handle mixer)
  - 39 - Water potable (WPC /WPH)
  - 40 - Water non-potable (WNC /WNH)

*For water some national standards may apply, therefore contact your BROEN-LAB representative for more information.*
BROEN-LAB develops, manufactures and sells Laboratory Fittings, Emergency Shower Systems and Eye Wash Systems into 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 offer solutions that ensure the functionality, compliance, hygiene, durability and safety are of the highest priority. For over 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.

BROEN-LAB is a collaboration partner in the design and layout of your next laboratory and it’s integrated safety solutions.

BROEN-LAB A/S ISO 9001 certification
In September 1991 BROEN-LAB A/S was certified according to ISO 9001 as one of the first Danish companies. The certification was carried out by Bureau Veritas, Denmark, for our Danish site in Assens. The quality management system of BROEN-LAB A/S now complies with detailed specifications laid down by the internationally acknowledged EN ISO 9001:2008. This certification will further contribute to reputation for quality and reliability of BROEN-LAB A/S.

www.BROEN-LAB.com