

**BROEN  
UNIFLEX™  
FITTINGS  
FOR WATER**

**BROEN UNIFLEX™ FITTINGS FOR WATER**

**BROEN UNIFLEX™ FITTINGS FOR WATER**



**PREMIUM**














**BROEN**

INTELLIGENT FLOW SOLUTIONS



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BROEN UNIFLEX™ FITTINGS FOR WATER

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**PREMIUM**

**BROEN UNIFLEX™ FITTINGS FOR WATER**



**THIS IS BROEN UNIFLEX™ PREMIUM**

BROEN UniFlex™ PREMIUM line offers a very high quality and durability combined with the complete program, which adds up to low LCC (Life Cycle Costs). Our PREMIUM line takes the standards in the market to a higher level.

**BROEN UNIFLEX™ FITTINGS FOR WATER**



BROEN UniFlex™ PREMIUM fittings for water are designed for laboratory use. The operation and the configuration of the fittings are highly adapted to the requirements of a modern laboratory. The fittings are surface treated with BROEN POLYCOAT powder coating, which is highly resistant to most chemicals, UV fading and heat (for more information please refer to "BROEN POLYCOAT" brochure.)

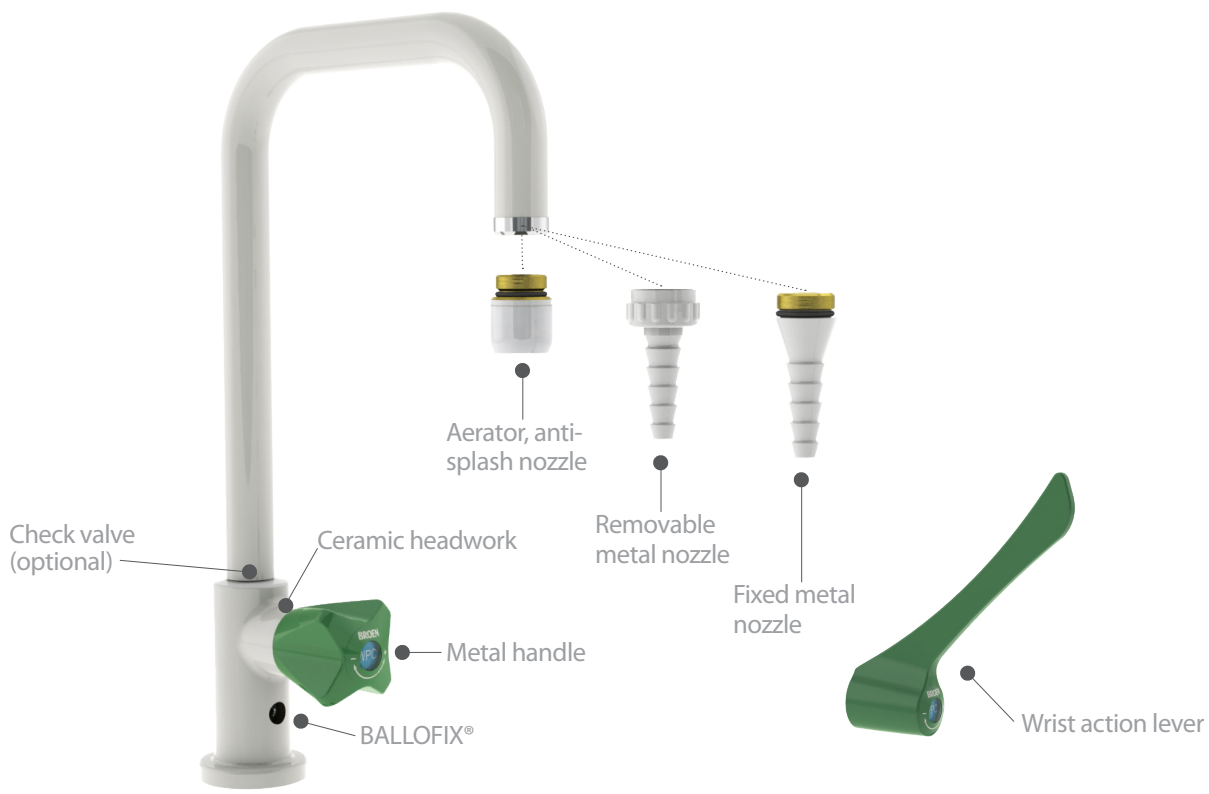
Most water fittings are as standard delivered with a removable hose nozzle with a loose union nut which offers quick and effortless assembly and disassembly when a hose has been fixed to the nozzle.

As an option it is possible to get water fittings with integrated check valve, which prevent backflow.

BROEN UniFlex™ PREMIUM fittings for water incorporate a BALLOFIX® ball valve (where relevant), which offers a number of advantages such as local shut-off (e.g. in connection with product service) and pre-setting for experimental purposes.

**THIS IS BROEN UNIFLEX™**

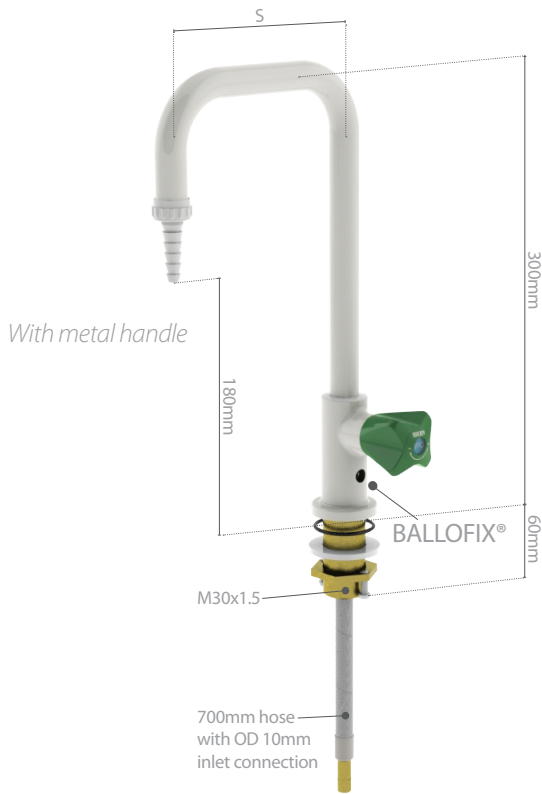
BROEN UniFlex™ is a unique and patented connection, which allows customers to choose from various connection methods, such as hoses, Cu, PEX of Stainless Steel pipes, without changing the valve itself. It provides unique flexibility, not only for the installer, but also for the end-user. Due to the flexibility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



**BROEN UNIFLEX™ HOSES**



BROEN UNIFLEX™ FITTINGS FOR WATER



**SPECIFICATIONS**

The fitting is delivered with an integrated BALLOFIX® ball valve.

**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792

**Spout:** Full swivel action

**Hose nozzle:** Removable metal

**Headwork:** Ceramic

**Opening/closing function:** 180° (wrist action lever: 90°)

**Temperature range:** 0-90°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:** POM, PTFE, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:



- aerator
- flow restrictor (5 l/min)
- fixed hose nozzle
- integrated non-return valve
- fixed spout
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-Potable Hot)

With wrist action lever (shown in CLOSED position)



**Model:** Metal handle

**BROEN UNIFLEX™ FITTINGS FOR WATER**

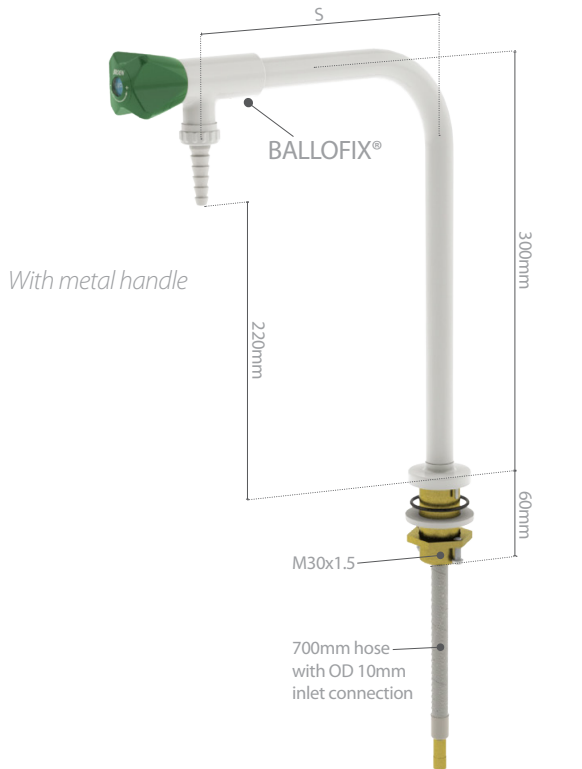
Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
 Potable water, cold	2534 111 8401-52E	2534 112 8401-52E	2534 113 8401-52E	2534 114 8401-52E
 Non-potable water, cold	2534 111 8407-52E	2534 112 8407-52E	2534 113 8407-52E	2534 114 8407-52E

**Model:** Wrist action lever (right turn closing)



Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
 Potable water, cold	2534 015 8401-52E	2534 018 8401-52E	2534 050 8401-52E	2534 051 8401-52E
 Non-potable water, cold	2534 015 8407-52E	2534 018 8407-52E	2534 050 8407-52E	2534 051 8407-52E

For further information and mounting instructions please refer to [www.BROEN.com](http://www.BROEN.com) or contact your local BROEN LAB representative.



**SPECIFICATIONS**

The fitting is delivered with an integrated BALLOFIX® ball valve.

**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792

**Hose nozzle:** Removable metal

**Headwork:** Ceramic

**Opening/closing function:** 180° (wrist action lever: 90°)

**Temperature range:** 0-90°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:** POM, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:

- aerator
- flow restrictor (5 l/min)
- fixed 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:** Metal handle



**BROEN UNIFLEX™ FITTINGS FOR WATER**

Media	S = 150mm	S = 200mm
 Potable water, cold	2533 062 8401-52E	2533 024 8401-52E
 Non-potable water, cold	2533 062 8407-52E	2533 024 8407-52E

**Model:** Wrist action lever (right turn closing)



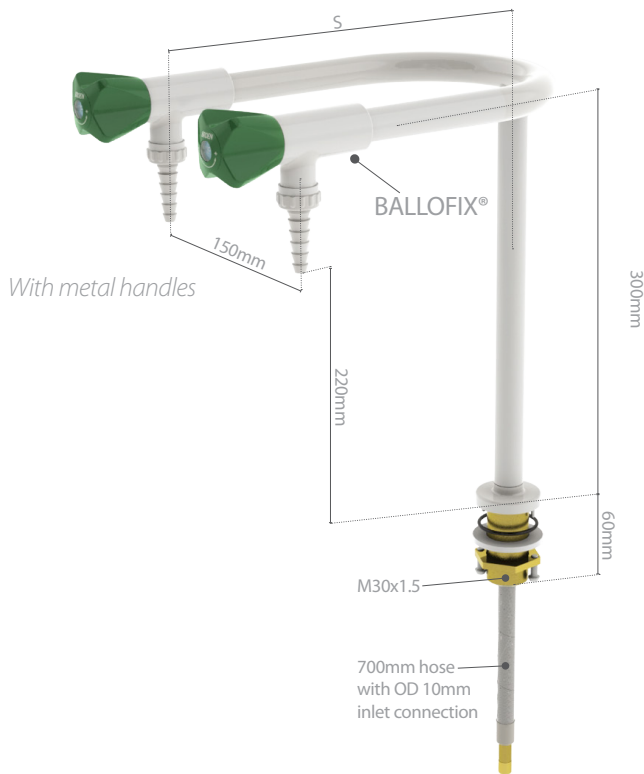
Media	S = 150mm	S = 200mm
 Potable water, cold	2533 067 8401-52E	2533 025 8401-52E
 Non-potable water, cold	2533 067 8407-52E	2533 025 8407-52E

For further information and mounting instructions please refer to [www.BROEN.com](http://www.BROEN.com) or contact your local BROEN LAB representative.



# TWO VALVE BENCH MOUNTED FITTINGS ON A U-SHAPED COLUMN

**PREMIUM**



With metal handles

300mm

220mm

60mm

M30x1.5

700mm hose with OD 10mm inlet connection

BROEN UNIFLEX™ FITTINGS FOR WATER

## SPECIFICATIONS

The fitting is delivered with an integrated BALLOFIX® ball valve.

**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792

**Hose nozzle:** Removable metal

**Headwork:** Ceramic

**Opening/closing function:** 180° (wrist action lever: 90°)

**Temperature range:** 0-90°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:** POM, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

## ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- aerator
- flow restrictor (5 l/min)
- fixed 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)



With wrist action levers (shown in CLOSED position)

Model: Metal handle

Media	S = 150mm	S = 200mm
Potable water, cold	2533 068 8401-52E	2533 070 8401-52E
Non-potable water, cold	2533 068 8407-52E	2533 070 8407-52E

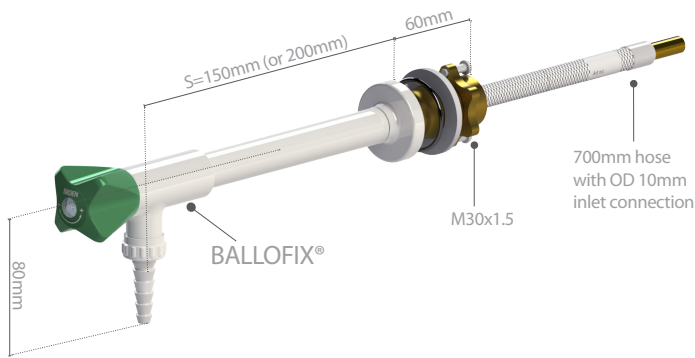
Model: Wrist action lever (right turn closing)



Media	S = 150mm	S = 200mm
Potable water, cold	2533 069 8401-52E	2533 071 8401-52E
Non-potable water, cold	2533 069 8407-52E	2533 071 8407-52E

For further information and mounting instructions please refer to [www.BROEN.com](http://www.BROEN.com) or contact your local BROEN LAB representative.

With metal handle



**SPECIFICATIONS**

The fitting is delivered with an integrated BALLOFIX® ball valve.

**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792

**Hose nozzle:** Removable metal

**Headwork:** Ceramic

**Opening/closing function:** 180° (wrist action lever: 90°)

**Temperature range:** 0-90°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:** POM, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

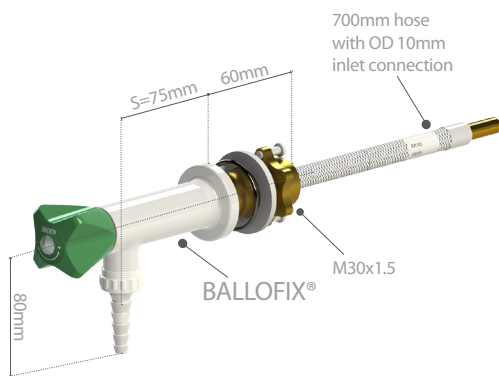
**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:

- aerator
- flow restrictor (5 l/min)
- fixed hose nozzle
- integrated non-return valve
- angle valve with 45° hose nozzle
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals
- WPH (Water Potable Hot)
- WNH (Water Non-Potable Hot)

BROEN UNIFLEX™ FITTINGS FOR WATER



**Model:** Metal handle



Media	S = 75mm	S = 150mm	S = 200mm
Potable water, cold	2530 335 8401-52E	2533 080 8401-52E	2533 082 8401-52E
Non-potable water, cold	2530 335 8407-52E	2533 080 8407-52E	2533 082 8407-52E

**Model:** Wrist action lever (right turn closing)



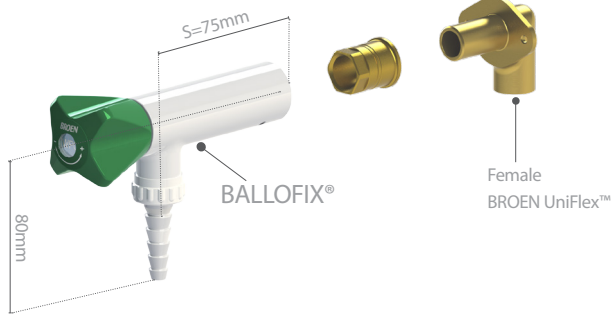
Media	S = 75mm	S = 150mm	S = 200mm
Potable water, cold	2530 337 8401-52E	2533 081 8401-52E	2533 083 8401-52E
Non-potable water, cold	2530 337 8407-52E	2533 081 8407-52E	2533 083 8407-52E

For further information and mounting instructions please refer to [www.BROEN.com](http://www.BROEN.com) or contact your local BROEN LAB representative.

# WALL MOUNTED ANGLE FITTING WITH REAR WALL CONNECTION (RWC)

**PREMIUM**

With metal handle



## SPECIFICATIONS

The fitting is delivered with an integrated BALLOFIX® ball valve.

**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792

**Hose nozzle:** Removable metal

**Headwork:** Ceramic

**Opening/closing function:** 180° (wrist action lever: 90°)

**Temperature range:** 0-90°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:** POM, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

## ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- aerator
- flow restrictor (5 l/min)
- fixed hose nozzle
- integrated non-return valve
- angle valve with 45° hose nozzle
- other installation options:
  - flange
  - straight rear wall connection
  - wall thickness 20-40mm
  - additional support in case of a thin panel


With wrist action lever (shown in CLOSED position)



**Model:** Metal handle





BROEN UNIFLEX™ FITTINGS FOR WATER

Media	Without check valve	With check valve
 Potable water, cold	2530 421 8401-40	2530 467 8401-52E
 Non-potable water, cold	2530 421 8407-40	2530 467 8407-52E

Delivered with 90° rear wall connection (max wall thickness 20mm).  
For possible inlet connections please refer to pages 30-31 or contact your BROEN LAB representative.

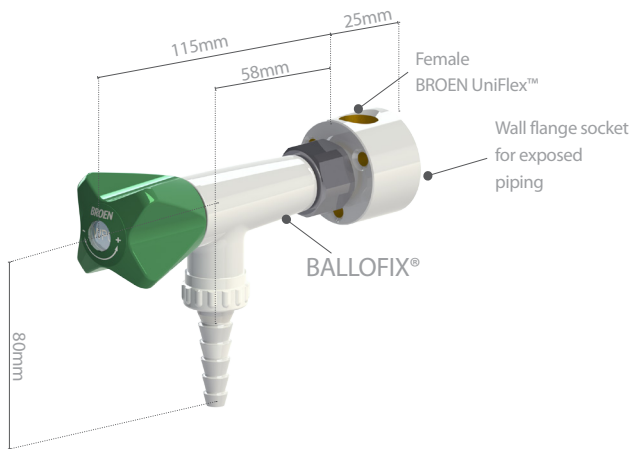
**Model:** Wrist action lever (right turn closing)



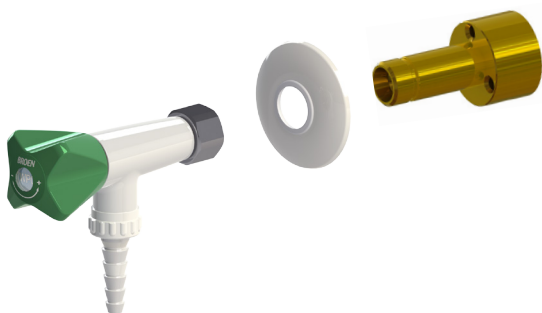
Media	Without check valve	With check valve
 Potable water, cold	2530 422 8401-40	2530 468 8401-52E
 Non-potable water, cold	2530 422 8407-40	2530 468 8407-52E

Delivered with 90° rear wall connection (max wall thickness 20mm).  
For possible inlet connections please refer to pages 30-31 or contact your BROEN LAB representative.

With metal handle



Valve with a wall flange socket for built-in installation



**Model:** Metal handle



**SPECIFICATIONS**

The fitting is delivered with an integrated BALLOFIX® ball valve.

**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792

**Hose nozzle:** Removable metal

**Headwork:** Ceramic

**Opening/closing function:** 180° (wrist action lever: 90°)

**Temperature range:** 0-90°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:** POM

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:

- aerator
- flow restrictor (5 l/min)
- fixed hose nozzle
- integrated non-return valve

**BROEN UNIFLEX™ FITTINGS FOR WATER**

Media	without WFS	with WFS for exposed piping	with WFS for built-in installation
Potable water, cold	2530 172 8401	2530 280 8401-T*	2530 255 8401-T
Non-potable water, cold	2530 172 8407	2530 280 8407-T*	2530 255 8407-T

\*Delivered with wall flange socket and compression ring fitting for OD10mm Cu-pipe. For other options please refer to pages 30-31 or contact your local BROEN LAB representative.

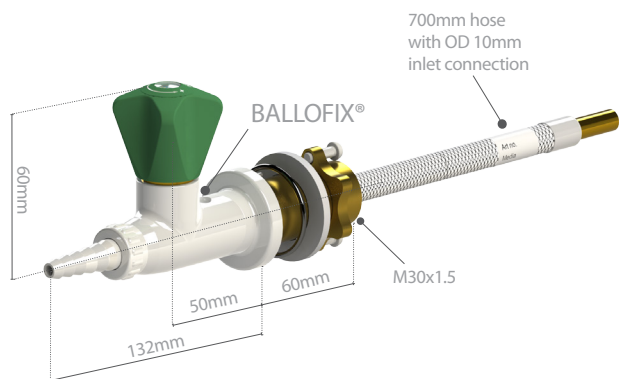
**Model:** Wrist action lever (right turn closing)



Media	without WFS	with WFS for exposed piping	with WFS for built-in installation
Potable water, cold	2530 383 8401	2533 285 8401-T*	2533 384 8401-T
Non-potable water, cold	2530 383 8407	2533 285 8407-T*	2533 384 8407-T

\*Delivered with wall flange socket and compression ring fitting for OD10mm Cu-pipe. For other options please refer to pages 30-31 or contact your local BROEN LAB representative.

With metal handle



**SPECIFICATIONS**

The fitting is delivered with an integrated BALLOFIX® ball valve.

**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792

**Hose nozzle:** Removable metal

**Headwork:** Ceramic

**Opening/closing function:** 180°

**Temperature range:** 0-90°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:** POM, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

**ORDERING INFORMATION**

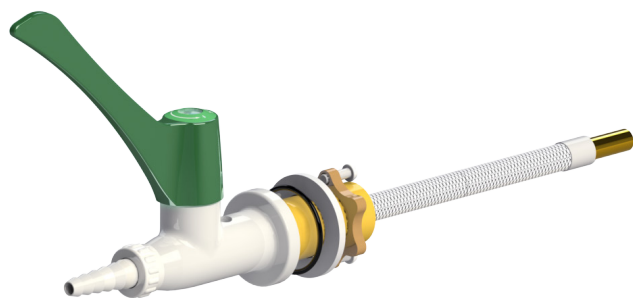
For standard configuration please refer to the item numbers below.

Other options:

- aerator
- flow restrictor (5 l/min)
- fixed hose nozzle
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals

BROEN UNIFLEX™ FITTINGS FOR WATER

With wrist action lever (shown in CLOSED position)



Model: Metal handle



Media	Without check valve	With check valve
Potable water, cold	2532 160 8401-52E	2530 336 8401-52E
Non-potable water, cold	2532 160 8407-52E	2530 336 8407-52E

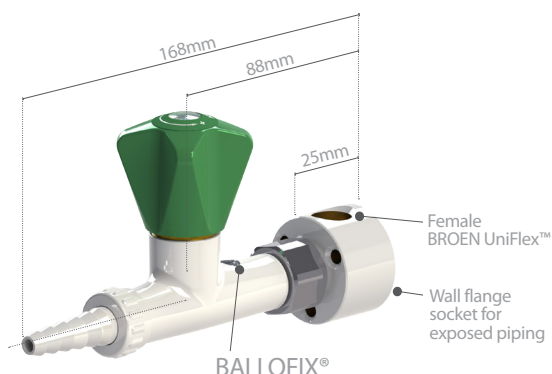
Model: Wrist action lever (right turn closing)



Media	Without check valve	With check valve
Potable water, cold	2532 161 8401-52E	2530 338 8401-52E
Non-potable water, cold	2532 161 8407-52E	2530 338 8407-52E

For further information and mounting instructions please refer to [www.BROEN.com](http://www.BROEN.com) or contact your local BROEN LAB representative.

With metal handle



**SPECIFICATIONS**

The fitting is delivered with an integrated BALLOFIX® ball valve.  
**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792  
**Hose nozzle:** Removable metal  
**Headwork:** Ceramic  
**Opening/closing function:** 180° (wrist action lever: 90°)  
**Temperature range:** 0-90°C  
**Max. working pressure:** 10 bar / 147 psi  
**Test pressure:** 1 x working pressure  
**Weight:** 2.3 kg

**MATERIALS WITH MEDIA CONTACT**

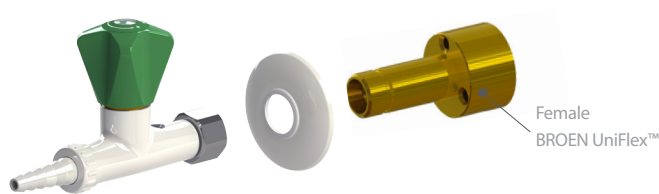
**Metals:** Brass  
**Plastics:** POM  
**Sealing:** EPDM  
**Lubricant:** Silicone based  
**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

**ORDERING INFORMATION**

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

**BROEN UNIFLEX™ FITTINGS FOR WATER**

Valve with a wall flange socket for built-in installation



**Model:** Metal handle



Media	without WFS	with WFS for exposed piping	with WFS for built-in installation
Potable water, cold	2532 155 8401	2532 179 8401-T*	2532 111 8401-T
Non-potable water, cold	2532 155 8407	2532 179 8407-T*	2532 111 8407-T

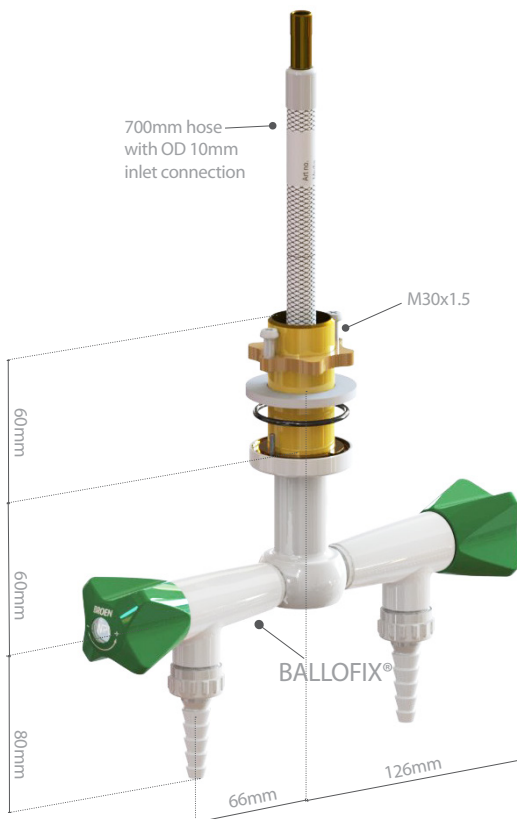
\*Delivered with wall flange socket and compression ring fitting for OD10mm Cu-pipe. For other options please refer to pages 30-31 or contact your local BROEN LAB representative.

**Model:** Wrist action lever (right turn closing)



Media	without WFS	with WFS for exposed piping	with WFS for built-in installation
Potable water, cold	2532 215 8401	2532 176 8401-T*	2532 216 8401-T
Non-potable water, cold	2532 215 8407	2532 176 8407-T*	2532 216 8407-T

\*Delivered with wall flange socket and compression ring fitting for OD10mm Cu-pipe  
 For other options please refer to pages 30-31 or contact your local BROEN LAB representative.



**SPECIFICATIONS**

The fitting is delivered with an integrated BALLOFIX® ball valve.

**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792

**Hose nozzle:** Removable metal

**Headwork:** Ceramic

**Opening/closing function:** 180°

**Temperature range:** 0-90°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:** POM, SPX (hose)

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

Other options:

- aerator
- fixed hose nozzle
- flow restrictor (5 l/min)
- wrist action levers
- models with single valve, 2 valves 90° and 4 valves
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- national approvals

**Model:** Metal handle



**Media**

**2 valves 180°**



Potable water, cold

2530 047 8401-52E



Non-potable water, cold

2530 047 8407-52E

**Model:** Wrist action lever (right turn closing)



**Media**

**2 valves 180°**



Potable water, cold

2530 373 8401-52E



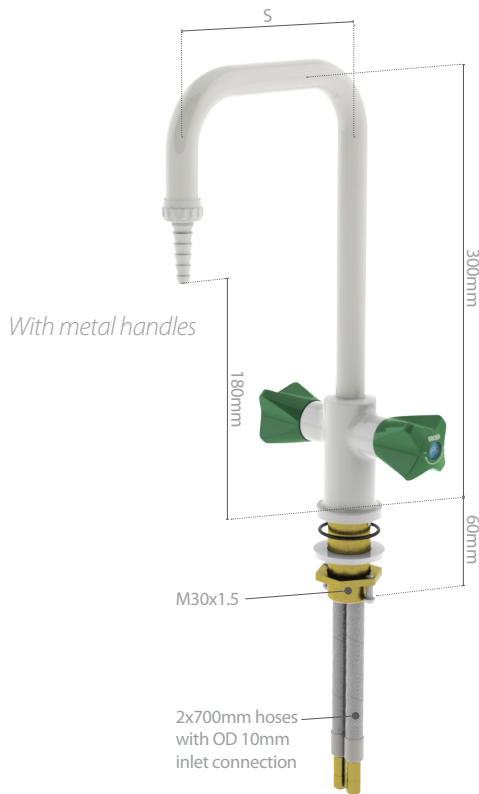
Non-potable water, cold

2530 373 8407-52E

For further information and mounting instructions please refer to [www.BROEN.com](http://www.BROEN.com) or contact your local BROEN LAB representative.

# TWO HANDLE BENCH MOUNTED ONE HOLE MIXER WITH SWIVEL SPOUT

**PREMIUM**



With metal handles

## SPECIFICATIONS

- Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792
- Spout:** Full swivel action
- Hose nozzle:** Removable metal
- Headwork:** Ceramic
- Opening/closing function:** 180° (wrist action lever: 90°)
- Temperature range:** 0-90°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:** POM, PTFE, SPX (hose)
- Sealing:** EPDM
- Lubricant:** Silicone based
- Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

## ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

- Other options:
- aerator
  - flow restrictor (5 l/min)
  - fixed hose nozzle
  - integrated non-return valve
  - fixed spout
  - alternative hose inlet connection / without a hose
  - OD 10mm Cu pipes
  - other inlet options
  - national approvals



With wrist action levers

Model: Metal handle



BROEN UNIFLEX™ FITTINGS FOR WATER

Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
Potable water, cold/hot	2536 070 8439-52E	2536 071 8439-52E	2536 072 8439-52E	2536 073 8439-52E
Non-potable water, cold/hot	2536 070 8440-52E	2536 071 8440-52E	2536 072 8440-52E	2536 073 8440-52E

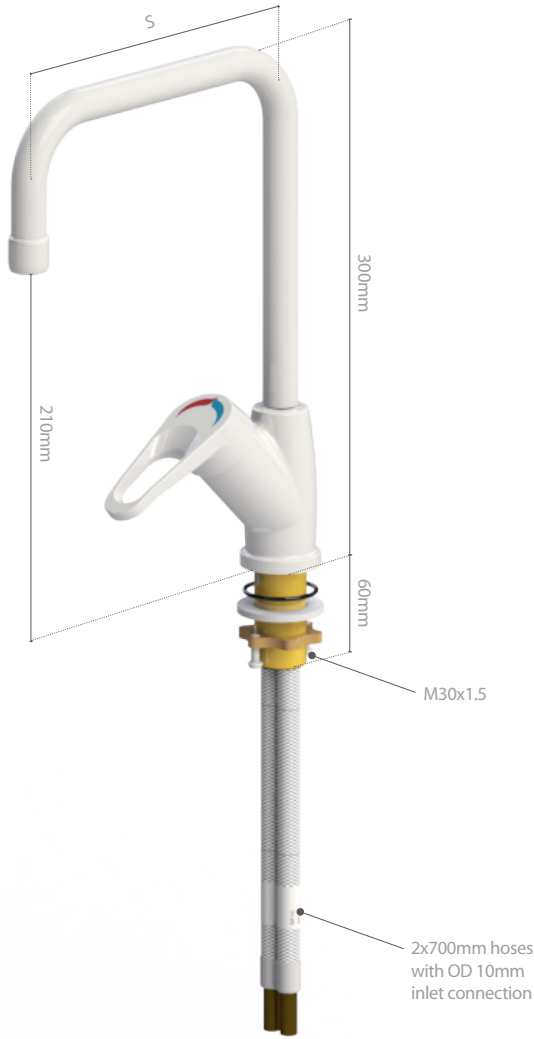
Model: Wrist action lever



Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
Potable water, cold/hot	2536 028 8439-52E	2536 014 8439-52E	2536 037 8439-52E	2536 040 8439-52E
Non-potable water, cold/hot	2536 028 8440-52E	2536 014 8440-52E	2536 037 8440-52E	2536 040 8440-52E

For further information and mounting instructions please refer to [www.BROEN.com](http://www.BROEN.com) or contact your local BROEN LAB representative.





**SPECIFICATIONS**

- Handle:** Metal, BROEN 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:** Al<sub>2</sub>O<sub>3</sub> 96%

**ORDERING INFORMATION**

For standard configuration please refer to the item numbers below.

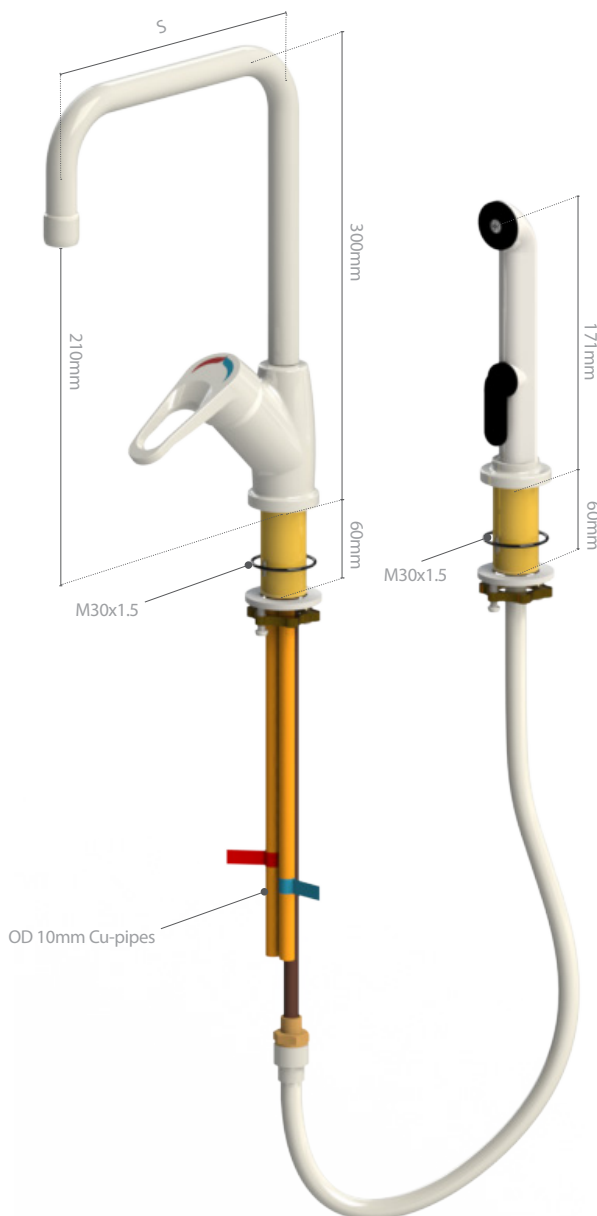
- Other options:
- integrated non-return valve
  - removable and fixed hose nozzles
  - flow restrictor (5 l/min)
  - alternative hose inlet connections
  - OD 10mm Cu pipes

BROEN UNIFLEX™ FITTINGS FOR WATER



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.com](http://www.BROEN.com) or contact your local BROEN LAB representative.



**SPECIFICATIONS**

**Handle:** Metal, BROEN 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:** Al<sub>2</sub>O<sub>3</sub> 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)

**BROEN UNIFLEX™ FITTINGS FOR WATER**

Media:

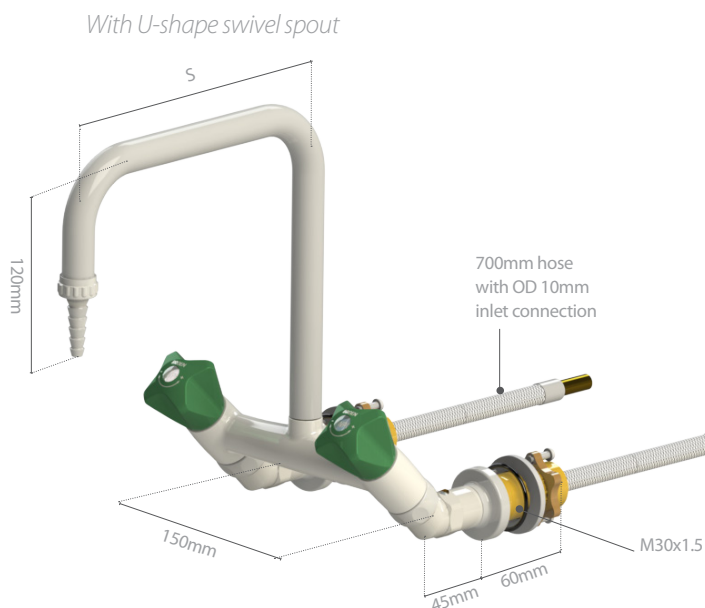


Model	S = 150mm	S = 200mm	S = 250mm	S = 300mm
	2535 042 1035-52C	2535 043 1035-52C	2535 044 1035-52C	2535 045 1035-52C

For further information and mounting instructions please refer to [www.BROEN.com](http://www.BROEN.com) or contact your local BROEN LAB representative.

# BENCH/WALL MOUNTED 2-HOLE MIXER WITH INTEGRATED BALLOFIX® VALVE AND SWIVEL SPOUT

**PREMIUM**



## SPECIFICATIONS

The fitting is delivered with an integrated BALLOFIX® ball valve.

**Handle:** Metal, BROEN POLYCOAT powder coated with media indication according to EN13792

**Spout:** Full swivel action

**Hose nozzle:** Removable metal

**Headwork:** Ceramic

**Opening/closing function:** 180° (wrist action lever: 90°)

**Temperature range:** 0-90°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:** POM, PTFE

**Sealing:** EPDM

**Lubricant:** Silicone based

**Ceramics:** Al<sub>2</sub>O<sub>3</sub> 96%

## ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- aerator
- flow restrictor (5 l/min)
- other standouts (250mm, 300mm)
- S-spout
- integrated check valve
- other inlet lengths and options

For further information please contact your local BROEN LAB representative.

**Model:** Metal handle







BROEN UNIFLEX™ FITTINGS FOR WATER

### Media

S = 150mm

S = 200mm

 	Potable water, cold/hot	2536 097 8439-14E	2536 015 8439-14E
 	Non-potable water, cold/hot	2536 097 8440-14E	2536 015 8440-14E





**Model:** Wrist action levers



### Media

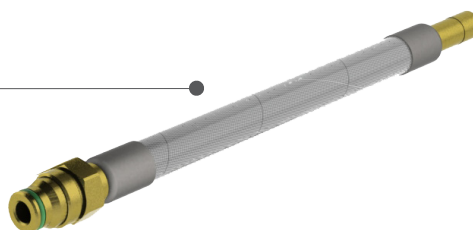
S = 150mm

S = 200mm

 	Potable water, cold/hot	2536 098 8439-14E	2536 078 8439-14E
 	Non-potable water, cold/hot	2536 098 8440-14E	2536 078 8440-14E

For further information and mounting instructions please refer to [www.BROEN.com](http://www.BROEN.com) or contact your local BROEN LAB representative.

BROEN UniFlex™ flexible hoses



BROEN LAB offers BROEN UniFlex™ hoses as an easy way to make the installation in the laboratory where safety and efficiency are required. BROEN 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.

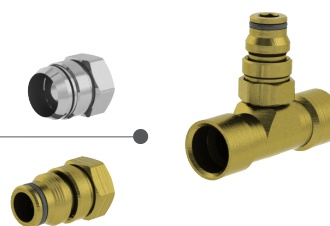
A wide range of fittings and lengths available for BROEN UniFlex™ hoses enables customers to choose the perfect hose for their application.

BROEN 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 more information, please contact your local BROEN LAB representative, or refer to [www.BROEN.com](http://www.BROEN.com).

BROEN UniFlex™ connection fittings and adaptors for Cu, Stainless Steel and PEX pipes



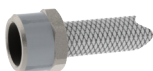
**BROEN UNIFLEX™ FITTINGS FOR WATER**

**INLET CONNECTIONS**  
93 V XX XX XXXX

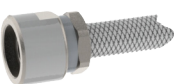
G3/8" A fixed connection (Code 32)



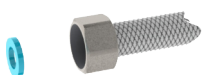
G1/2" A fixed connection (Code 31)



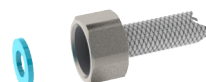
G3/4" A fixed connection (Code 33)



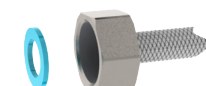
G3/8" union connection (Code 41)



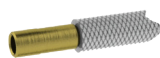
G1/2" union connection (Code 40)



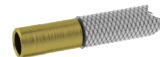
G3/4" union connection (Code 42)



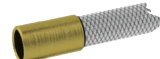
OD10mm connection for compression fittings (Code 10)



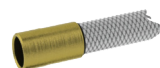
OD12mm connection for compression fittings (Code 12)



OD15mm connection for compression fittings (Code 15)



OD15mm connection for press fittings (Code 65)



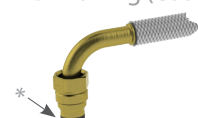
Straight BROEN UniFlex™ connection with EPDM o-ring (Code 20)



45° BROEN UniFlex™ connection with EPDM o-ring (Code 25)



90° BROEN UniFlex™ connection with EPDM o-ring (Code 30)

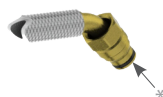


**OUTLET CONNECTIONS**  
93 V XX XX XXXX

Straight BROEN UniFlex connection with EPDM o-ring (Code 20)



45° BROEN UniFlex connection with EPDM o-ring (Code 25)



90° BROEN UniFlex connection with EPDM o-ring (Code 30)



M10x1mm short connection with EPDM o-ring (Code 51)



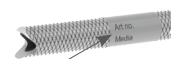
**PLEASE NOTE:**

M10 connections can only be used to mixer and multimedia fittings

\*All O-rings are lubricated with silicone based lubricant

**HOSE**  
93 V XX XX XXXX

SPX hose with braiding in stainless steel



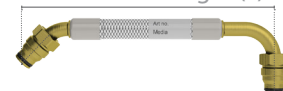
Marking for water with Part no. and Media indication

**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

\*Standard lengths of hoses (L):

0500 = 500mm

0700 = 700mm

1000 = 1000mm

1200 = 1200mm

1500 = 1500mm

2000 = 2000mm

2500 = 2500mm

3000 = 3000mm

Length tolerance of hoses:  
L = ≤400mm (-0, +10mm)  
L = 401mm to 1000mm (-0, +20mm)  
L = >1000mm (-0, +30mm)

**SPECIFICATIONS**

**Inner hose material:** SPX (soft PEX)

**Braiding:** Stainless steel with one green stripe

**Hose materials with media contact:** SPX, brass, EPDM and silicone based lubricant

**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

**EXAMPLE OF HOSE CONFIGURATION**

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



**93V12201200**

\* Other lengths are available on request

## HEADWORK

### METAL HANDLE

**PREMIUM**

## SPECIFICATIONS

BROEN UniFlex™ PREMIUM water fittings with metal handles are delivered with ceramic 180° turn headworks. Water fittings with ceramic headwork offer quick and precise adjustment and a long service life.

**Opening/closing function:** 1 x 180° turn

**Media:** Hot/cold water

**Temperature range:** Maximum 90°C

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

**Test pressure:** 1 x working pressure



Ceramic headwork

## MATERIALS WITH MEDIA CONTACT

**Metals:** Brass

**Sealing:** EPDM

**Plastics:** POM

**Lubricant:** Silicone based

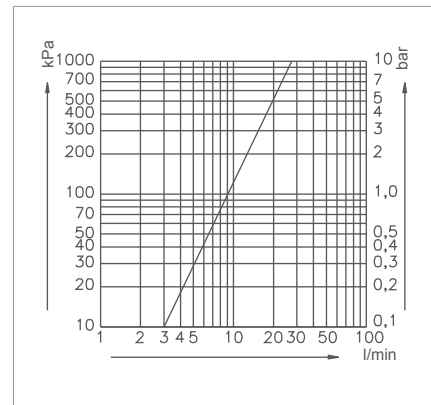
**Ceramics:** Al-oxyd 96%

## ORDERING INFORMATION

**Ceramic headwork**

No. 1976000

## FLOW CHART



BROEN UNIFLEX™ FITTINGS FOR WATER

## HEADWORK

### WRIST ACTION LEVER

## SPECIFICATIONS

BROEN 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



Ceramic headwork

## 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

## FLOW CHART

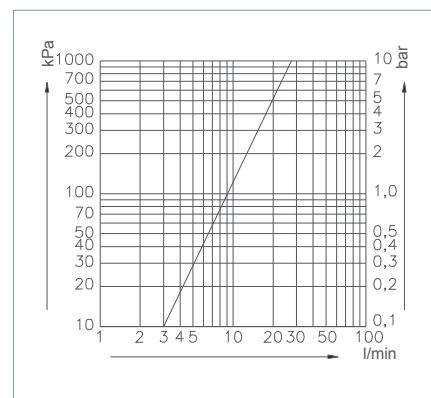
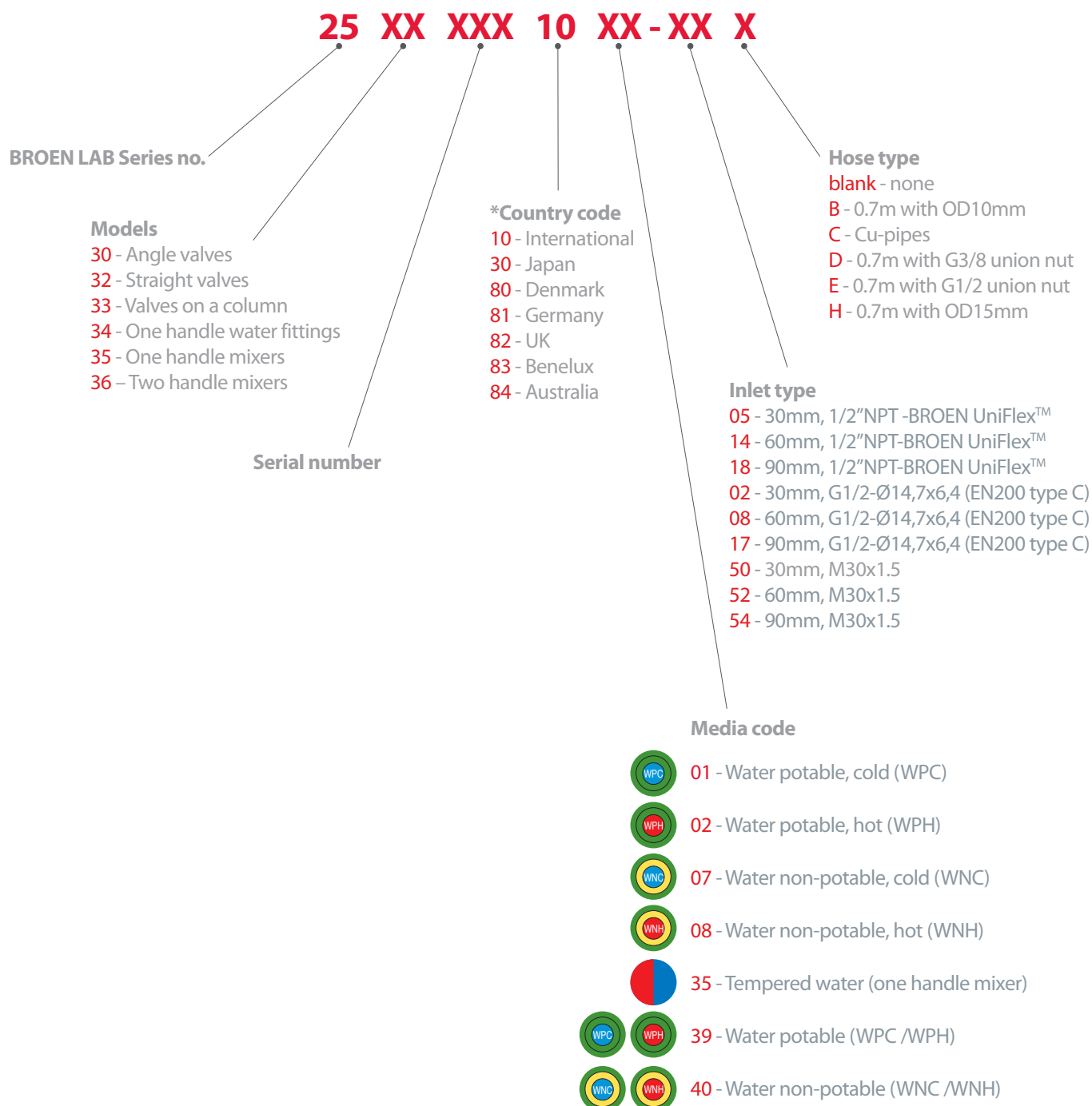


Illustration	Description	BROEN item No.
	Adaptor for aerator M19x1 - M22x1 <i>(fits 2534- and 2536-models)</i> G3/8A - M22x1 <i>(fits angle valves and elder spouts)</i>	2539 005 1001 2539 064 1001
	Aerator Thread: female M22x1	2539 006 1001
	Aerator with integrated flow restrictor 5 l/min Thread: female M22x1	2539 045 1001
	Adaptor for removable metal nozzle Thread: M19x1 - G1/2A <i>(fits 2534- and 2536-models)</i> Thread: G3/8A - G1/2A <i>(fits angle valves and elder spouts)</i>	2539 007 1001 2539 043 1001
	Adaptor with integrated flow restrictor 5 l/min for removable metal nozzle Thread: M19x1 - G1/2A <i>(fits 2534- and 2536-models)</i> Thread: G1/2A - G1/2A <i>(fits angle and straight valves as well as elder spouts)</i>	2539 044 1001 2539 067 1001
	Removable metal nozzle Thread: female G1/2	2539 008 1001
	Fixed metal nozzle Thread: male M19x1 <i>(fits 2534- and 2536-models)</i> Thread: male G3/8 <i>(fits angle valves and elder spouts)</i>	2539 009 1001 2539 042 1001
	Mounting set for G1/2 connection	19 141 000
	1/2" NPT inlet with female BROEN UniFlex™ connection (incl. O-ring) L=30mm L=60mm L=90mm	15 502 33V 15 274 54V 15 502 46V
	Mounting set for M30x1,5 connection	19 190 000
	Threaded inlet pipe M30x1,5 L=30mm L=60mm L=90mm	19 190 03 19 190 02 19 190 04

Illustration	Description	BROEN item No.
	Wall flange socket (for exposed piping)	02 101 30G
	Wall flange socket (for built-in installation)	02 101 31
	Cover flange for 02 101 31	14 923 04G
	Metal handle with media indication according to EN 13792	191601491001 (WPC) 191601491002 (WPH) 191601491007 (WNC) 191601491008 (WNH)
	Wrist action lever (handle only)	1916433G-5168 (green)
	Vacuum pump for water fitting	19 198 009
	Flange (wall thickness 20-40mm)	1521057G
	Flange (wall thickness 20-40mm)	1521178G
	Nut (wall thickness 20-40mm)	1521054
	Nut (max. wall thickness 20mm)	1521036
	Straight rear wall connection	1521088
	90° rear wall connection	1521052
	Backside support	1521092



Generally, item number for BROEN UniFlex fittings has the following structure:



\* For water some national standards may apply, therefore contact your BROEN LAB representative for more information.

**PREMIUM**

**BROEN UNIFLEX™ FITTINGS FOR WATER**





BROEN LAB develops, manufactures and delivers complete range of fittings for professional laboratories. Our know-how and our quality products ensure the precise flow of water, gases and air, from source to user.

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

Our extensive knowledge allows us to continually develop and optimize our products so that they meet customer needs and specifications. Safety, functionality and quality are an integral part of product design and flexibility. Our insight and understanding of working environments and safety in laboratories allow us to develop custom solutions for projects around the world. Use us to plan your project so we can advise you on laboratory layout and design.

#### HEAD OFFICE

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#### **BROEN LAB GROUP ISO 9001 certification**

In September 1991 BROEN LAB GROUP 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 at Assens.

The quality management system of BROEN LAB GROUP now complies with detailed specifications laid down by the internationally acknowledged EN ISO 9001:2008. This certification will further contribute to BROEN LAB GROUP's reputation for quality and reliability.

#### INTERNATIONAL OFFICES

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