

**BROEN-LAB
UNIFLEX™
FITTINGS
FOR WATER**



BROEN-LAB UNIFLEX™ FITTINGS FOR WATER

BROEN-LAB UNIFLEX™ FITTINGS FOR WATER

Metal handle

BROEN-LAB

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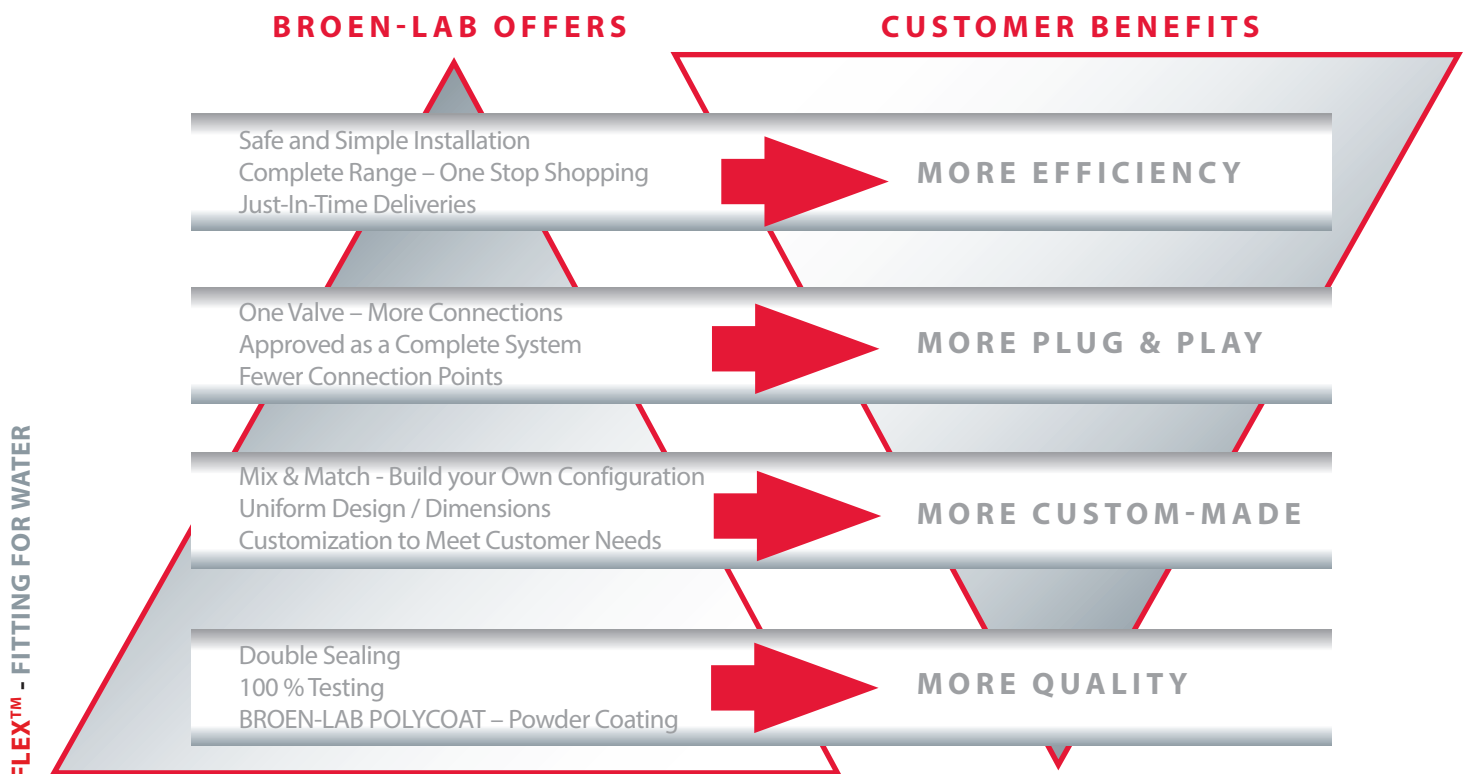


BROEN-LAB-UNIFLEX™ - FITTING FOR WATER

BROEN-LAB UNIFLEX™ METAL HANDLE

THIS IS BROEN-LAB UNIFLEX™ METAL HANDLE

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



BROEN-LAB UniFlex™ s 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-LAB POLYCOAT powder coating, which is highly resistant to most chemicals, UV fading and heat (for more information please refer to “BROEN-LAB 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.

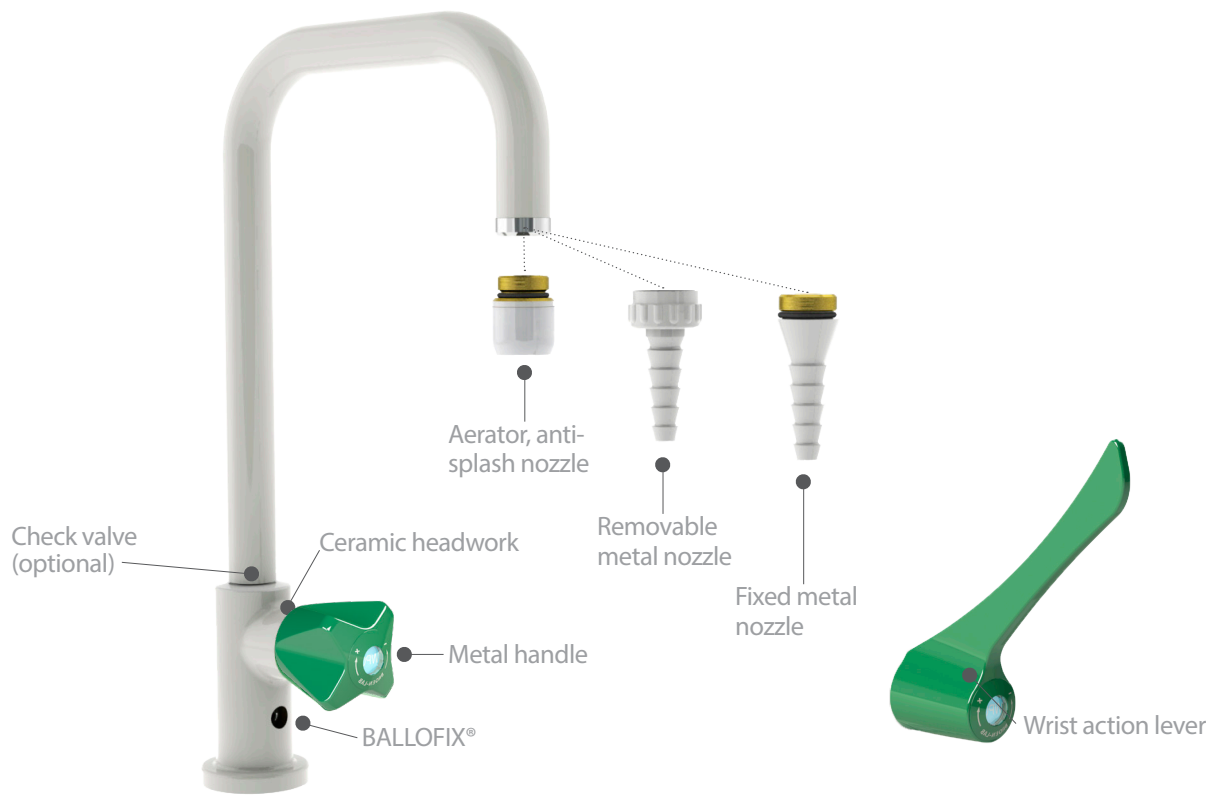
As an option it is possible to get water fittings with integrated check valve, which prevent backflow.

BROEN-LAB UniFlex™ 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.

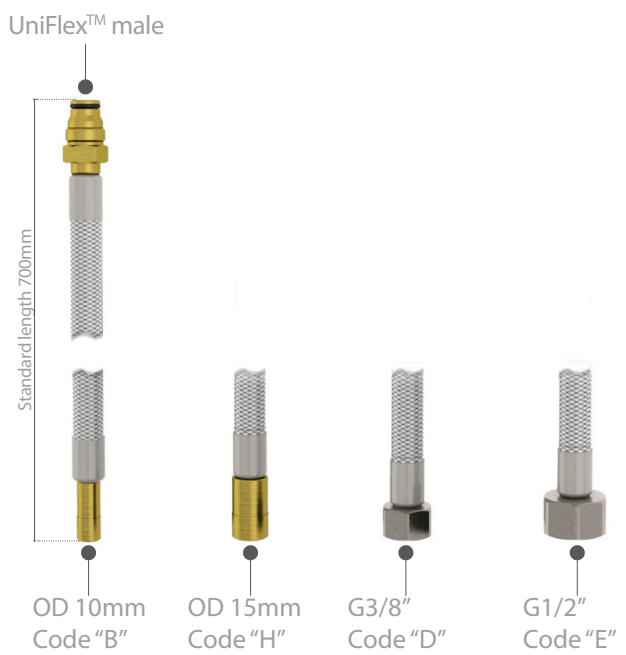
THIS IS BROEN-LAB UNIFLEX™

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



BROEN-LAB UNIFLEX™ HOSES



BROEN-LAB UNIFLEX™ - FITTING FOR WATER

For more information, please refer to page 35

BENCH MOUNTED FITTINGS WITH SWIVEL SPOUT

BROEN-LAB UNIFLEX™ - FITTING FOR WATER



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: Al₂O₃ 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)
- 110° limited swivel action

With wrist action lever (shown in CLOSED position)





Model: Metal handle



Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
 Potable water, cold	2534 001 1001-52B	2534 002 1001-52B	2534 017 1001-52B	2534 016 1001-52B
 Non-potable water, cold	2534 001 1007-52B	2534 002 1007-52B	2534 017 1007-52B	2534 016 1007-52B

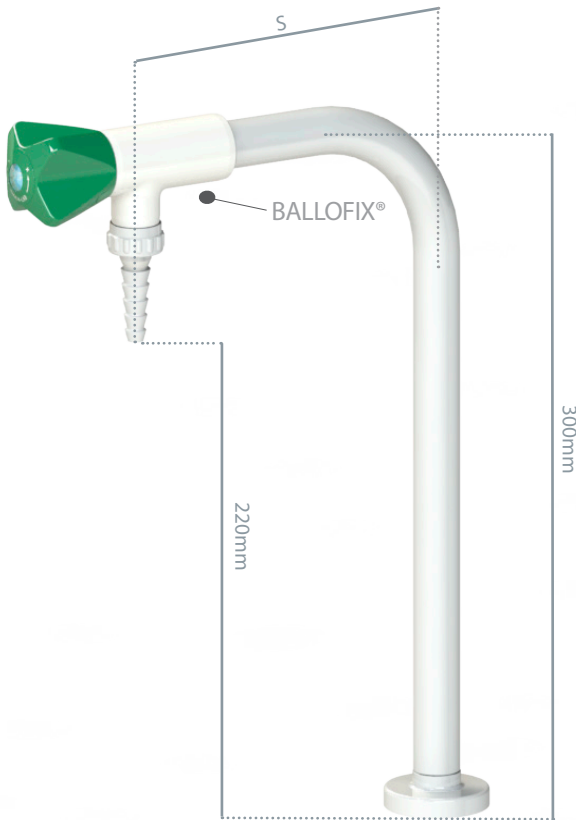
Model: Wrist action lever (right turn closing)



Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
 Potable water, cold	2534 015 1001-52B	2534 018 1001-52B	2534 050 1001-52B	2534 051 1001-52B
 Non-potable water, cold	2534 015 1007-52B	2534 018 1007-52B	2534 050 1007-52B	2534 051 1007-52B

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

BENCH FITTINGS MOUNTED ON A COLUMN



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: Al₂O₃ 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)





BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Media	S = 150mm	S = 200mm
 Potable water, cold	2533 062 1001-52B	2533 024 1001-52B
 Non-potable water, cold	2533 062 1007-52B	2533 024 1007-52B

Model: Wrist action lever (right turn closing)

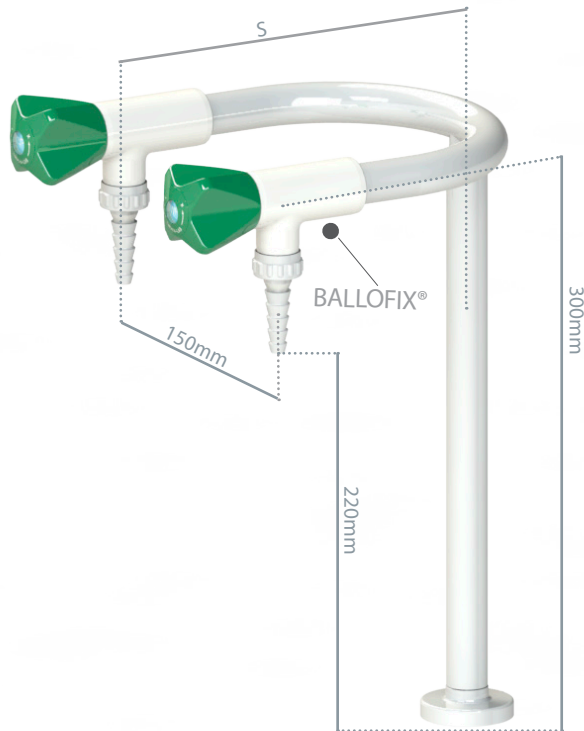


Media	S = 150mm	S = 200mm
 Potable water, cold	2533 067 1001-52B	2533 025 1001-52B
 Non-potable water, cold	2533 067 1007-52B	2533 025 1007-52B

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

TWO VALVE BENCH MOUNTED FITTINGS ON A U-SHAPED COLUMN

BROEN-LAB UNIFLEX™ - FITTING FOR WATER



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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

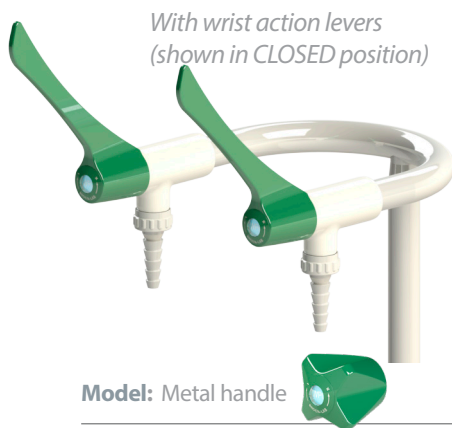
Ceramics: Al₂O₃ 96%

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 1001-52B	2533 070 1001-52B
 Non-potable water, cold	2533 068 1007-52B	2533 070 1007-52B

Model: Wrist action lever (right turn closing)

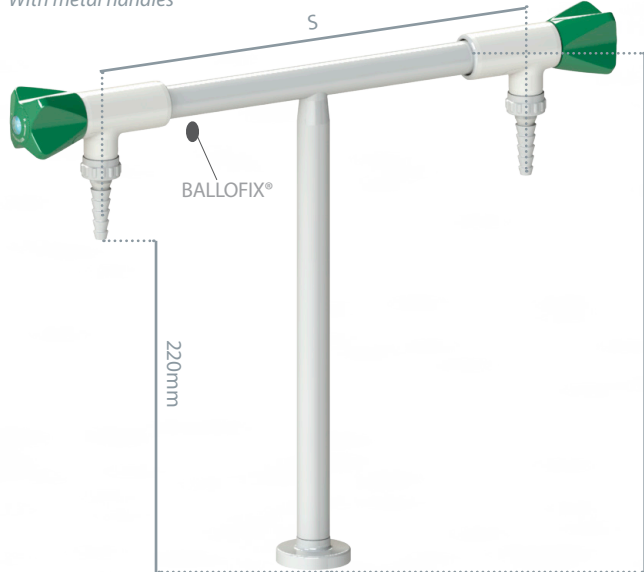


Media	S = 150mm	S = 200mm
 Potable water, cold	2533 069 1001-52B	2533 071 1001-52B
 Non-potable water, cold	2533 069 1007-52B	2533 071 1007-52B

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

TWO VALVE BENCH MOUNTED FITTINGS ON A TEE-SHAPED COMLUMN

With metal handles



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: Al₂O₃ 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

BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Media

S = 300mm

S = 400mm



Potable water, cold

2533 072 1001-52B

2533 074 1001-52B



Non-potable water, cold

2533 072 1007-52B

2533 074 1007-52B

Model: Wrist action lever (right turn closing)



Media

S = 300mm

S = 400mm



Potable water, cold

2533 073 1001-52B

2533 075 1001-52B



Non-potable water, cold

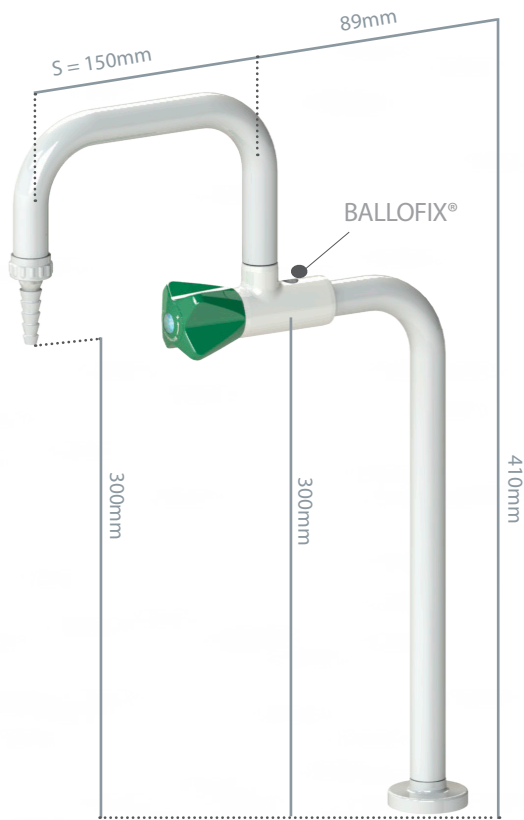
2533 073 1007-52B

2533 075 1007-52B

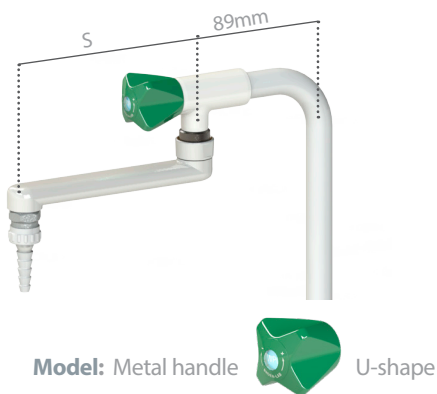
For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN LAB representative.

BENCH MOUNTED FITTINGS ON A COLUMN WITH SWIVEL SPOUT

BROEN-LAB UNIFLEX™ - FITTING FOR WATER



S-shape with metal handle



Model: Metal handle U-shape

SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: 2 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:

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

Media

S = 150mm

S = 200mm



Potable water, cold

2533 076 1001-52B

2533 077 1001-52B



Non-potable water, cold

2533 076 1007-52B

2533 077 1007-52B

Model: Metal handle



S-shape

Media

S = 150mm

S = 200mm



Potable water, cold

2533 127 1001-52B

2533 140 1001-52B



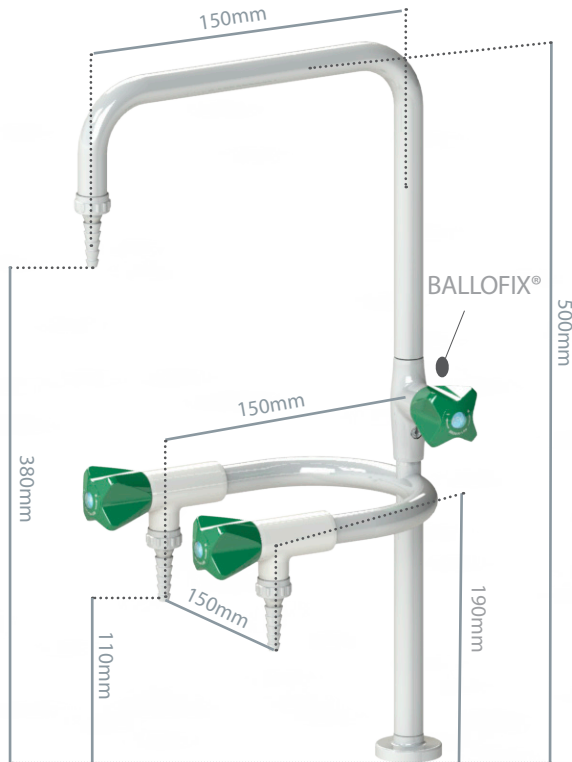
Non-potable water, cold

2533 127 1007-52B

2533 140 1007-52B

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

THREE VALVE BENCH MOUNTED FITTINGS



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: 3 kg

MATERIALS WITH MEDIA CONTACT

Metals: Brass

Plastics: POM, PTFE, SPX (hose)

Sealing: EPDM

Lubricant: Silicone based

Ceramics: Al₂O₃ 96%

Solder: DIN L-Ag55:Sn

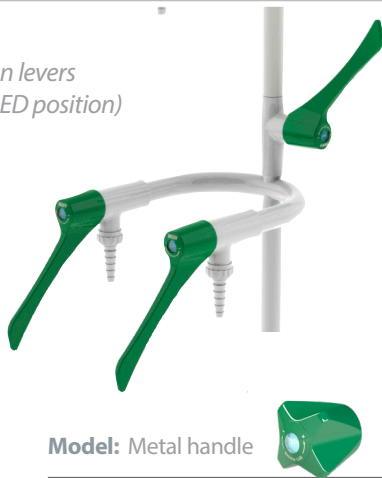
ORDERING INFORMATION

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

BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Media

S = 150mm



Potable water, cold

2533 078 1001-52B



Non-potable water, cold

2533 078 1007-52B

Model: Wrist action lever (right turn closing)



Media

S = 150mm



Potable water, cold

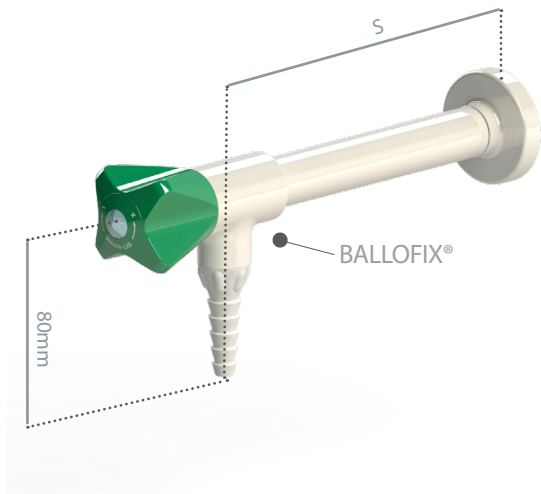
2533 079 1001-52B



Non-potable water, cold

2533 079 1007-52B

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



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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

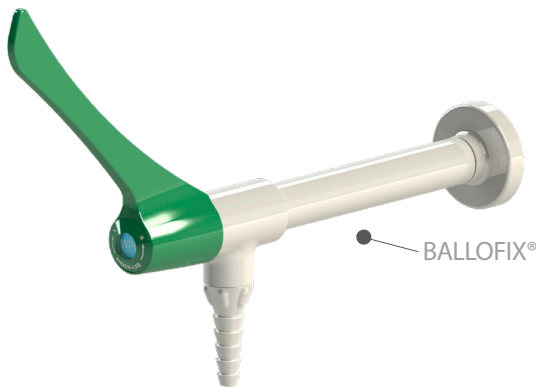
Ceramics: Al₂O₃ 96%

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)





Model: Metal handle



Media	S = 75mm	S = 150mm	S = 200mm
 Potable water, cold	2530 335 1001-52B	2533 080 1001-52B	2533 082 1001-52B
 Non-potable water, cold	2530 335 1007-52B	2533 080 1007-52B	2533 082 1007-52B

Model: Wrist action lever (right turn closing)

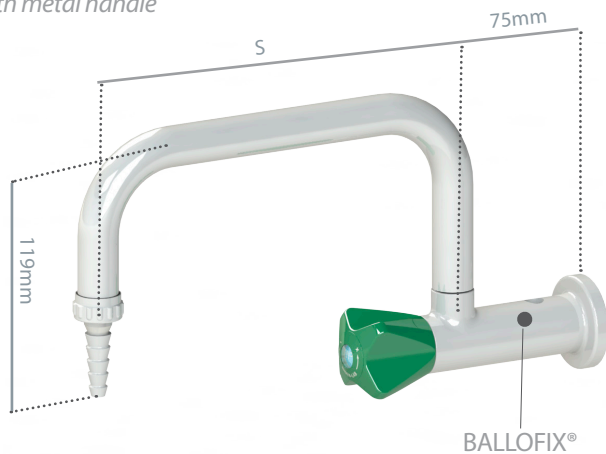


Media	S = 75mm	S = 150mm	S = 200mm
 Potable water, cold	2530 337 1001-52B	2533 081 1001-52B	2533 0831 001-52B
 Non-potable water, cold	2530 337 1007-52B	2533 081 1007-52B	2533 083 1007-52B

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

WALL MOUNTED FITTINGS WITH SWIVEL U-SPOUT WITH LEAD-IN

With metal handle



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: 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 to prevent backflow
- fixed 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)



With wrist action lever (shown in CLOSED position)



Model: Metal handle

Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
 Potable water, cold	2530 365 1001-52B	2530 366 1001-52B	2530 367 1001-52B	2530 368 1001-52B
 Non-potable water, cold	2530 365 1007-52B	2530 366 1007-52B	2530 367 1007-52B	2530 368 1007-52B

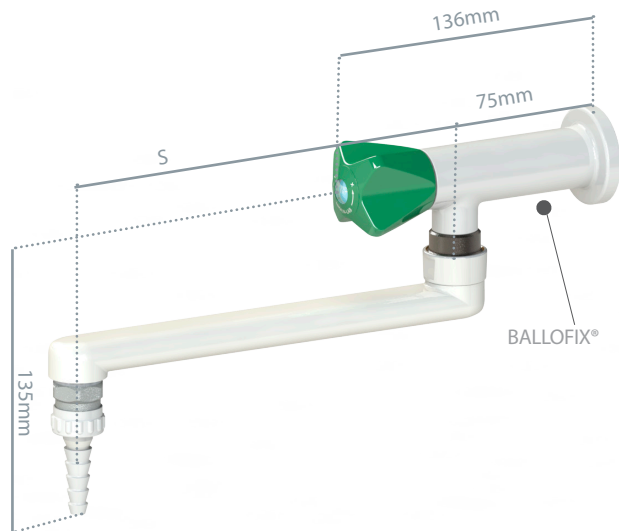
Model: Wrist action lever (right turn closing)

Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
 Potable water, cold	2530 369 1001-52B	2530 370 1001-52B	2530 371 1001-52B	2530 372 1001-52B
 Non-potable water, cold	2530 369 1007-52B	2530 370 1007-52B	2530 371 1007-52B	2530 372 1007-52B

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

WALL MOUNTED FITTING WITH SWIVEL S-SPOUT WITH LEAD-IN

With metal handle



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: 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 to prevent backflow
- fixed 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)

With wrist action lever (shown in CLOSED position)





Model: Metal handle



Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
 Potable water, cold	2530 406 1001-52B	2530 407 1001-52B	2530 408 1001-52B	2530 409 1001-52B
 Non-potable water, cold	2530 406 1007-52B	2530 407 1007-52B	2530 408 1007-52B	2530 409 1007-52B

Model: Wrist action lever (right turn closing)

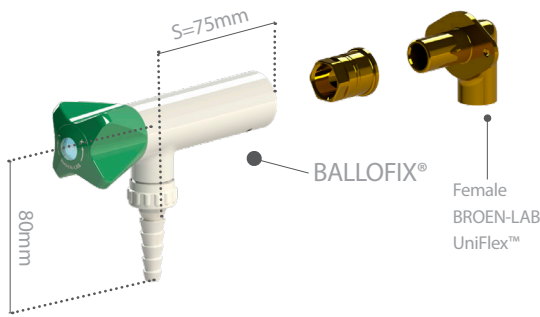


Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
 Potable water, cold	2530 410 1001-52B	2530 411 1001-52B	2530 412 1001-52B	2530 413 1001-52B
 Non-potable water, cold	2530 410 1007-52B	2530 411 1007-52B	2530 412 1007-52B	2530 413 1007-52B

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

WALL MOUNTED ANGLE FITTING WITH REAR WALL CONNECTION (RWC)

With metal handle



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: Al₂O₃ 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



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Media	Without check valve	With check valve
 Potable water, cold	2530 421 1001-40	2530 467 1001-40
 Non-potable water, cold	2530 421 1007-40	2530 467 1007-40

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)



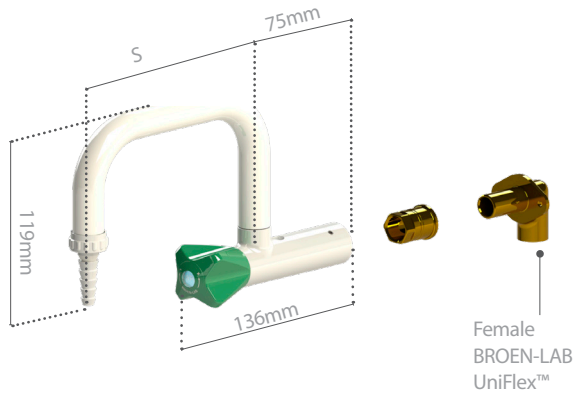
Media	Without check valve	With check valve
 Potable water, cold	2530 422 1001-40	2530 468 1001-40
 Non-potable water, cold	2530 422 1007-40	2530 468 1007-40

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.

WALL MOUNTED ANGLE FITTING WITH SWIVEL U-SPOUT WITH REAR WALL CONNECTION (RWC)

With metal handle



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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

With wrist action lever
(shown in CLOSED position)



MATERIALS WITH MEDIA CONTACT

Metals: Brass

Plastics: POM, 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)
- fixed hose nozzle
- integrated non-return valve
- S-spout
- national approvals

BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Model: Metal handle

Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
Potable water, cold	2530 469 1001-40	2530 470 1001-40	2530 471 1001-40	2530 472 1001-40
Non-potable water, cold	2530 469 1007-40	2530 470 1007-40	2530 471 1007-40	2530 472 1007-40

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.

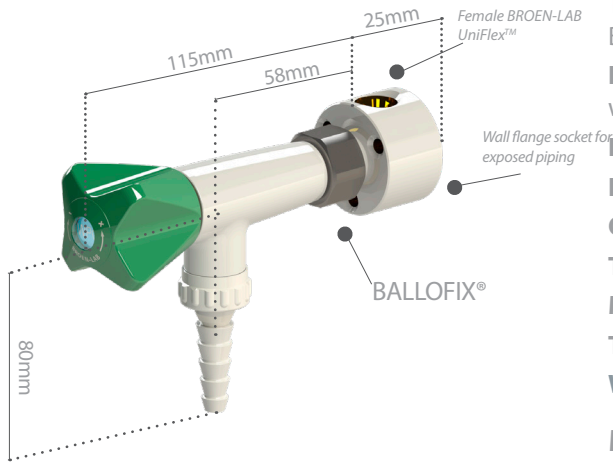
Model: Wrist action lever (right turn closing)

Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
Potable water, cold	2530 473 1001-40	2530 474 1001-40	2530 475 1001-40	2530 476 1001-40
Non-potable water, cold	2530 473 1007-40	2530 474 1007-40	2530 475 1007-40	2530 476 1007-40

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.

WALL MOUNTED FITTINGS WITH ANGLE VALVES FOR EXPOSED PIPING OR BUILT-IN INSTALLATION

With metal handle



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: Al₂O₃ 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

Valve with a wall flange socket for built-in installation



Model: Metal handle



BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Media	without WFS	with WFS for exposed piping	with WFS for built-in installation
Potable water, cold	2530 172 1001	2530 280 1001-T*	2530 255 1001-T
Non-potable water, cold	2530 172 1007	2530 280 1007-T	2530 255 1007-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 1001	2533 285 1001-T	2533 384 1001-T
Non-potable water, cold	2530 383 1007	2533 285 1007-T	2533 384 1007-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.

SINGLE STRAIGHT VALVE WITH LEAD-IN

SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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

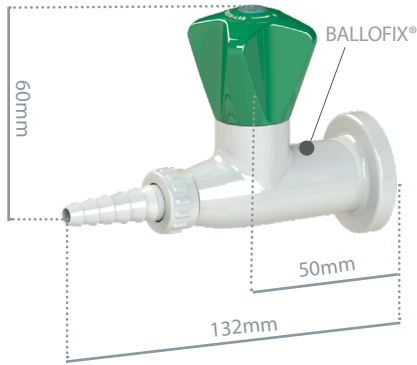
Ceramics: Al₂O₃ 96%

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-LAB UNIFLEX™ - FITTING FOR WATER



Model: Metal handle



Media	Without check valve	With check valve
 Potable water, cold	2532 160 1001-52B	2532 162 1001-52B
 Non-potable water, cold	2532 160 1007-52B	2532 162 1007-52B

Model: Wrist action lever (right turn closing)

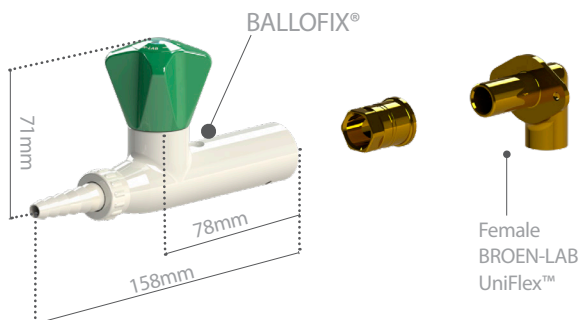


Media	Without check valve	With check valve
 Potable water, cold	2532 161 1001-52B	2532 163 1001-52B
 Non-potable water, cold	2532 161 1007-52B	2532 163 1007-52B

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

SINGLE STRAIGHT VALVE WITH REAR WALL CONNECTION (RWC)

With metal handle



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: Al₂O₃ 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
- 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-LAB UNIFLEX™ - FITTING FOR WATER

Media	Without check valve	With check valve
 Potable water, cold	2532 209 1001-40	2532 210 1001-40
 Non-potable water, cold	2532 209 1007-40	2532 210 1007-40

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)



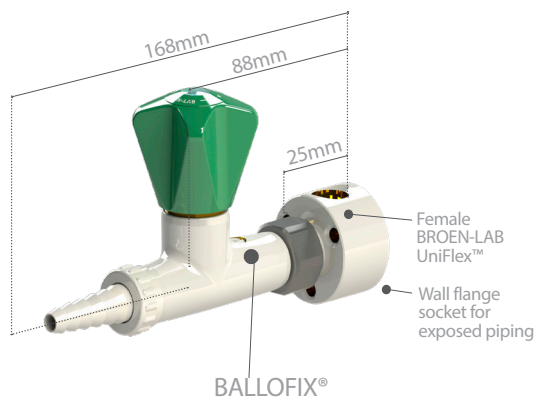
Media	Without check valve	With check valve
 Potable water, cold	2532 211 1001-40	2532 212 1001-40
 Non-potable water, cold	2532 211 1007-40	2532 212 1007-40

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.

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

STRAIGHT VALVES FOR EXPOSED PIPING OR BUILT-IN INSTALLATION

With metal handle



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: Al₂O₃ 96%

ORDERING INFORMATION

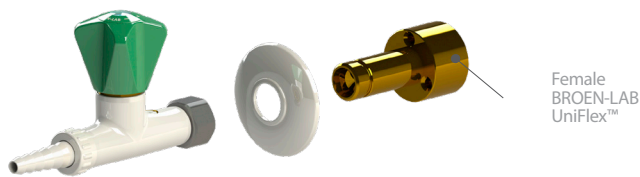
For standard configuration please refer to the item numbers below.

Other options:

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

BROEN-LAB UNIFLEX™ - FITTING 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 1001	2532 179 1001-T	2532 111 1001-T
Non-potable water, cold	2532 155 1007	2532 179 1007-T	2532 111 1007-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)

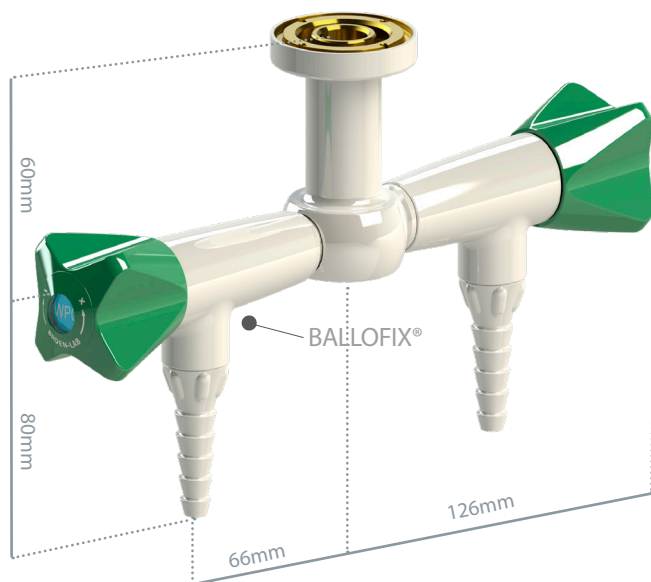


Media	without WFS	with WFS for exposed piping	with WFS for built-in installation
Potable water, cold	2532 215 1001	2532 176 1001-T	2532 216 1001-T
Non-potable water, cold	2532 215 1007	2532 176 1007-T	2532 216 1007-T

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.

SUSPENDED 2-VALVE FITTING



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: Al₂O₃ 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 1001-52B



Non-potable water, cold

2530 047 1007-52B

Model: Wrist action lever (right turn closing)



Media

2 valves 180°



Potable water, cold

2530 373 1001-52B



Non-potable water, cold

2530 373 1007-52B

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

TWO HANDLE BENCH MOUNTED ONE HOLE MIXER WITH SWIVEL SPOUT

SPECIFICATIONS

Handle: Metal, BROEN-LAB 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

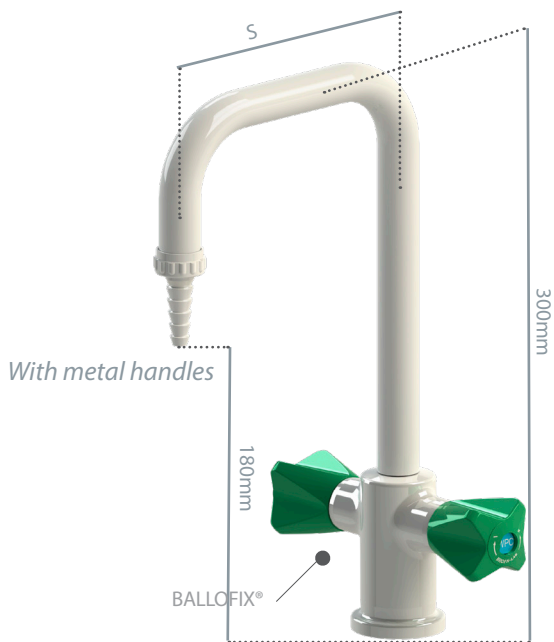
Ceramics: Al₂O₃ 96%

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
- 110° limited swivel action







With wrist action levers







Model: Metal handle

BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
  Potable water, cold/hot	2536 001 1039-52B	2536 002 1039-52B	2536 013 1039-52B	2536 012 1039-52B
  Non-potable water, cold/hot	2536 001 1040-52B	2536 002 1040-52B	2536 013 1040-52B	2536 012 1040-52B

Model: Wrist action lever



Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
  Potable water, cold/hot	2536 028 1039-52B	2536 014 1039-52B	2536 037 1039-52B	2536 040 1039-52B
  Non-potable water, cold/hot	2536 028 1040-52B	2536 014 1040-52B	2536 037 1040-52B	2536 040 1040-52B

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 regulation 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

BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Media:



Model

S = 200mm

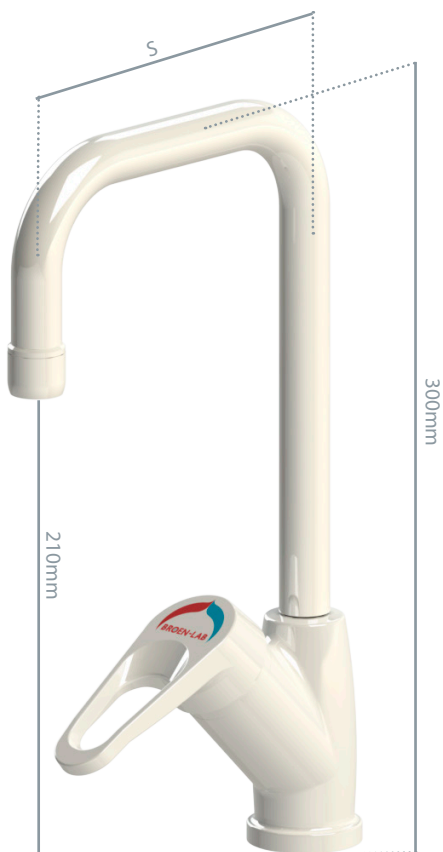


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For further information and mounting instructions please refer to www.BROEN-LAB.com or contact your local BROEN-LAB representative.

SINGLE HANDLE MIXER BENCH MOUNTED

BROEN-LAB UNIFLEX™ - FITTING FOR WATER



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
- 10mm Cu pipes
- 110° limited swivel action

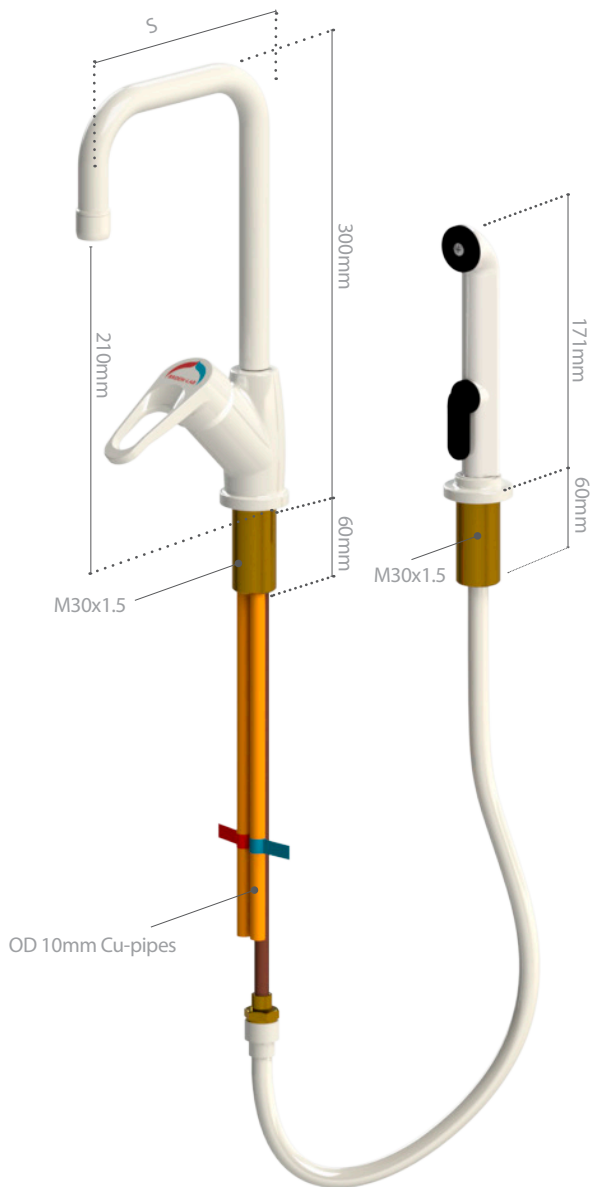
Media:



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)
- 110° limited swivel action

BROEN-LAB UNIFLEX™ - FITTING 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-LAB.com or contact your local BROEN-LAB representative.

ONE HANDLE TWO HOLE MIXER WITH SWIVEL SPOUT

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

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

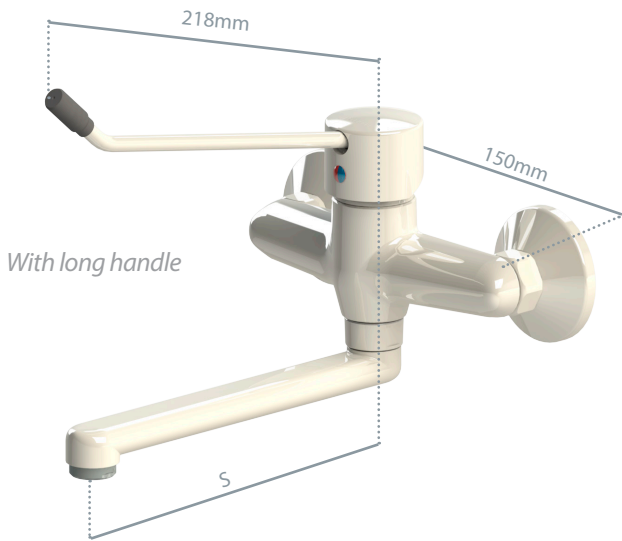
Ceramics: Al₂O₃ 96%

ORDERING INFORMATION

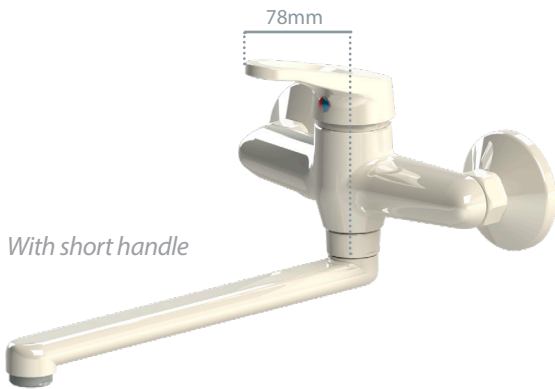
For standard configuration please refer to the item numbers below.

Other options:

- removable hose nozzle
- bench mounted model
- different inlet connections
(with BROEN-LAB UniFlex™ rear wall connection, lead-in, etc)



With long handle



With short handle

BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Media:



Model	S = 200mm	S = 250mm	S = 300mm
 Short Handle	2535 010 1035	2535 004 1035	2535 016 1035
 Long Handle	2535 007 1035	2535 001 1035	2535 013 1035

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

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

With U-shape swivel spout



SPECIFICATIONS

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

Handle: Metal, BROEN-LAB 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: Al₂O₃ 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
- 110° limited swivel action

For further information please contact your local BROEN LAB representative.

Model: Metal handle



BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Media

S = 150mm

S = 200mm



Potable water, cold/hot

2536 097 1039-52B

2536 061 1039-52B



Non-potable water, cold/hot

2536 097 1040-52B

2536 061 1040-52B

Model: Wrist action levers



Media

S = 150mm

S = 200mm



Potable water, cold/hot

2536 098 1039-52B

2536 078 1039-52B



Non-potable water, cold/hot

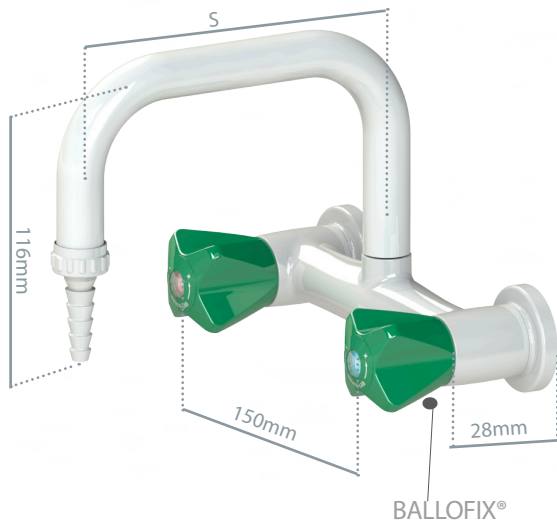
2536 098 1040-52B

2536 078 1040-52B

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

WALL MOUNTED 2-HOLE 2-HANDLE MIXER WITH SWIVEL SPOUT

With U-shape swivel spout



SPECIFICATIONS

- Handle:** Metal, BROEN-LAB 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:** 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
- S-spout
- other inlet lengths and options (RWC, eccentric, etc.)
- other options for hose inlet connections
- 110° limited swivel action

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

With wrist action lever (shown in CLOSED position)



Model: Metal handle



Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
Potable water, cold/hot	2536 128 1039-52B	2536 129 1039-52B	2536 130 1039-52B	2536 131 1039-52B
Non-potable water, cold/hot	2536 128 1040-52B	2536 129 1040-52B	2536 130 1040-52B	2536 131 1040-52B

Model: Wrist action levers

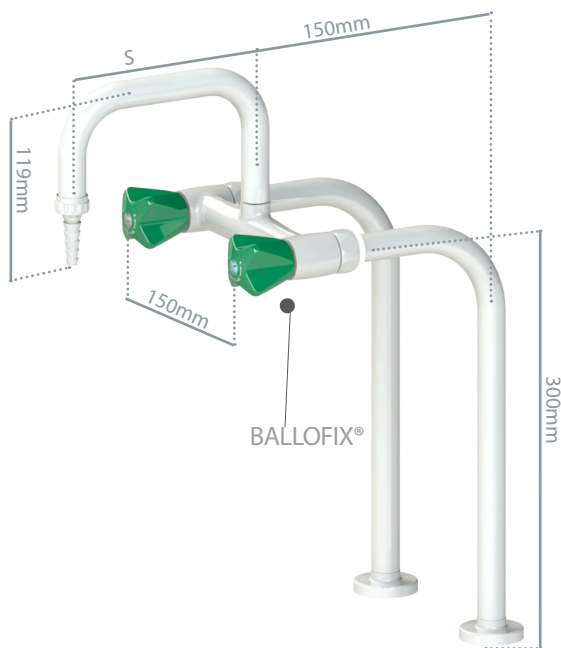


Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
Potable water, cold/hot	2536 132 1039-52B	2536 133 1039-52B	2536 134 1039-52B	2536 135 1039-52B
Non-potable water, cold/hot	2536 132 1040-52B	2536 133 1040-52B	2536 134 1040-52B	2536 135 1040-52B

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

BENCH MOUNTED 2-HOLE 2-HANDLE MIXER WITH SWIVEL SPOUT

With U-shape swivel spout



SPECIFICATIONS

- Handle:** Metal, BROEN-LAB 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:** 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
- S-spout
- other inlet lengths and options





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

With wrist action lever (shown in CLOSED position)







Model: Metal handle

BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
  Potable water, cold/hot	2536 120 1039-52B	2536 121 1039-52B	2536 122 1039-52B	2536 123 1039-52B
  Non-potable water, cold/hot	2536 120 1040-52B	2536 121 1040-52B	2536 122 1040-52B	2536 123 1040-52B

Model: Wrist action levers

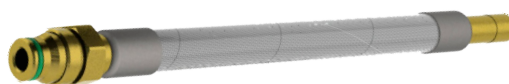


Media	S = 150mm	S = 200mm	S = 250mm	S = 300mm
  Potable water, cold/hot	2536 124 1039-52B	2536 125 1039-52B	2536 126 1039-52B	2536 1271039-52B
  Non-potable water, cold/hot	2536 124 1040-52B	2536 125 1040-52B	2536 126 1040-52B	2536 1271040-52B

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

BROEN-LAB UNIFLEX™ HOSES FOR WATER

BROEN-LAB UniFlex™ flexible hoses



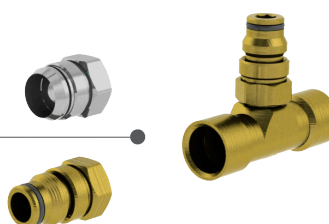
BROEN-LAB offers BROEN-LAB UniFlex™ hoses as an easy way to make the installation in the laboratory where safety and efficiency are required. BROEN-LAB UniFlex™ hoses are the ideal solution where there is a higher requirement for flexibility. Installation with flexible hoses saves you time and labor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

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



BROEN-LAB UNIFLEX™ - FITTING FOR WATER

Factors	Hose	SPX-hose
		
Inner hose material with media contact		SPX
Outer hose material / braiding		Stainless Steel AISI 304
Sealing material		EPDM (93V, 93D) FKM (93T)
Inside diameter		8.2mm
Outside diameter		12mm
Max. working pressure		10 bar (water) 16 bar (gases)
Max. working temperature		90°C
Min. bending radius (inner)		40mm
UV resistance		++
Range of connections		+++

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

93V - BROEN-LAB UNIFLEX™ SPX HOSES FOR WATER

INLET CONNECTIONS

93 V XX XX XXXX

3/8" NPT Swivel Connection (Code 61)



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 G3/8" 90° union nut connection (Code 46)



Female G1/2" union nut connection (Code 40)



Female G1/2" 90° union nut connection (Code 45)



Female G3/4" union nut connection (Code 42)



OD3/8" connection compression fittings (Code 09)



OD10mm connection for compression fittings (Code 10)



OD12mm connection for compression fittings (Code 12)



OD1/2" mm connection for compression fittings (Code 13)



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)



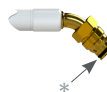
OUTLET CONNECTIONS

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)



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

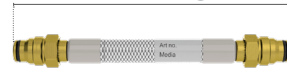
SPX hose with braiding in stainless steel



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

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

EXAMPLE OF HOSE CONFIGURATION

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



* Other lengths are available on request

BROEN-LAB UNIFLEX™ - FITTING FOR WATER

HEADWORK

METAL HANDLE

SPECIFICATIONS

BROEN-LAB UniFlex™ Metal 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

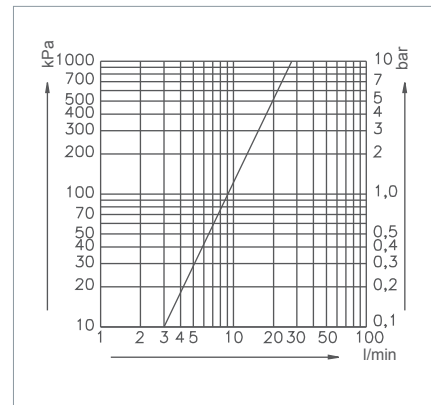
Ceramics: Al-oxyd 96%

ORDERING INFORMATION

Ceramic headwork

No. 1976000

FLOW CHART



HEADWORK

WRIST ACTION LEVER

SPECIFICATIONS

BROEN-LAB UniFlex™ Metal 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

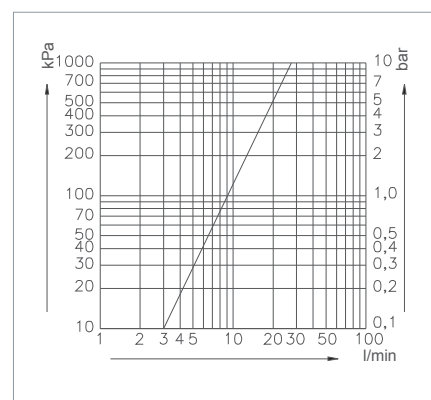
No. 1976400

RIGHT TURN CLOSING

Ceramic headwork

No. 1976500


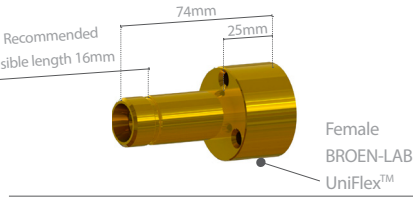



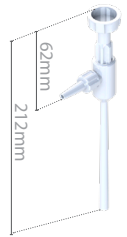




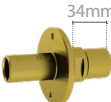
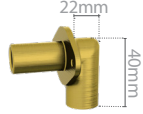

FLOW CHART



ACCESSORIES / SPARE PARTS

Illustration	Description	BROEN-LAB 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>	2539 044 1001
	Thread: G1/2A - G1/2A <i>(fits angle and straight valves as well as elder spouts)</i>	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-LAB UniFlex™ connection (incl. o-ring) L=30mm 15 502 33V Code 05 L=60mm 15 274 54V Code 14 L=90mm 15 502 46V Code 18	ISO 228/1-G1/2 inlet with female Ø14,7x6,4 connection (incl. o-ring) L=30mm 15 501 33 Code 03 L=60mm 15 501 12 Code 08 L=90mm 15 501 46 Code 17
	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

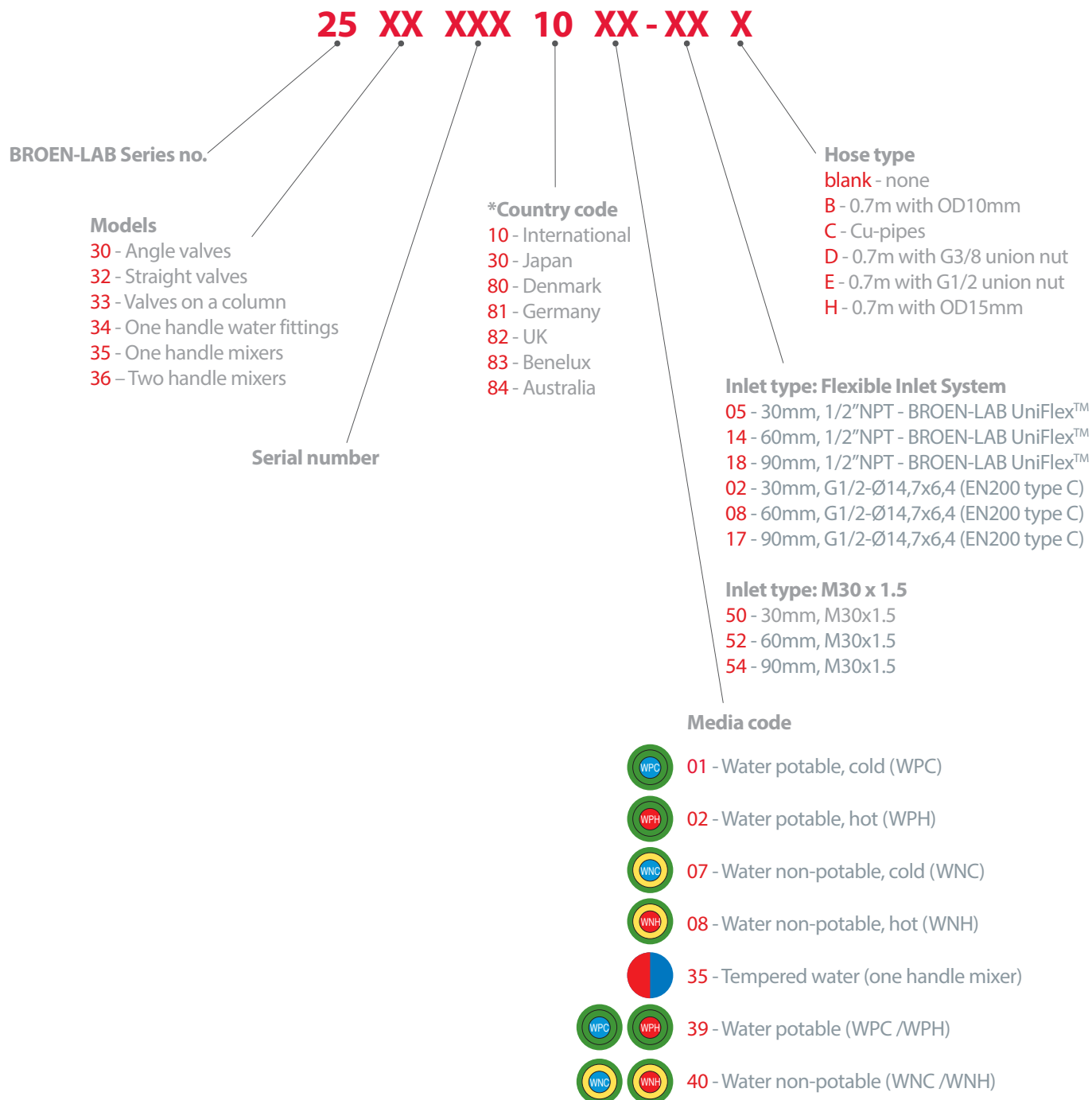
ACCESSORIES / SPARE PARTS

Illustration	Description	BROEN-LAB 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)
<i>* For further information please refer to BROEN_LAB catalogue 99B0108 spare part catalogue</i>		
	Wrist action lever (handle only)	1916433G-5168 (green)
	Water jet filter pump (inlet: union nut G3/4, adapter to female G1/2 is included)	19 199 009
	Flange (wall thickness 0-20mm)	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

ORDERING INFORMATION

BROEN-LAB UNIFLEX™ FITTINGS

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



* 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.

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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.

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