

**BROEN
UNIFLEX™
FITTINGS FOR
BURNING
GASES**








BROEN UNIFLEX™ FITTINGS FOR BURNING GASES

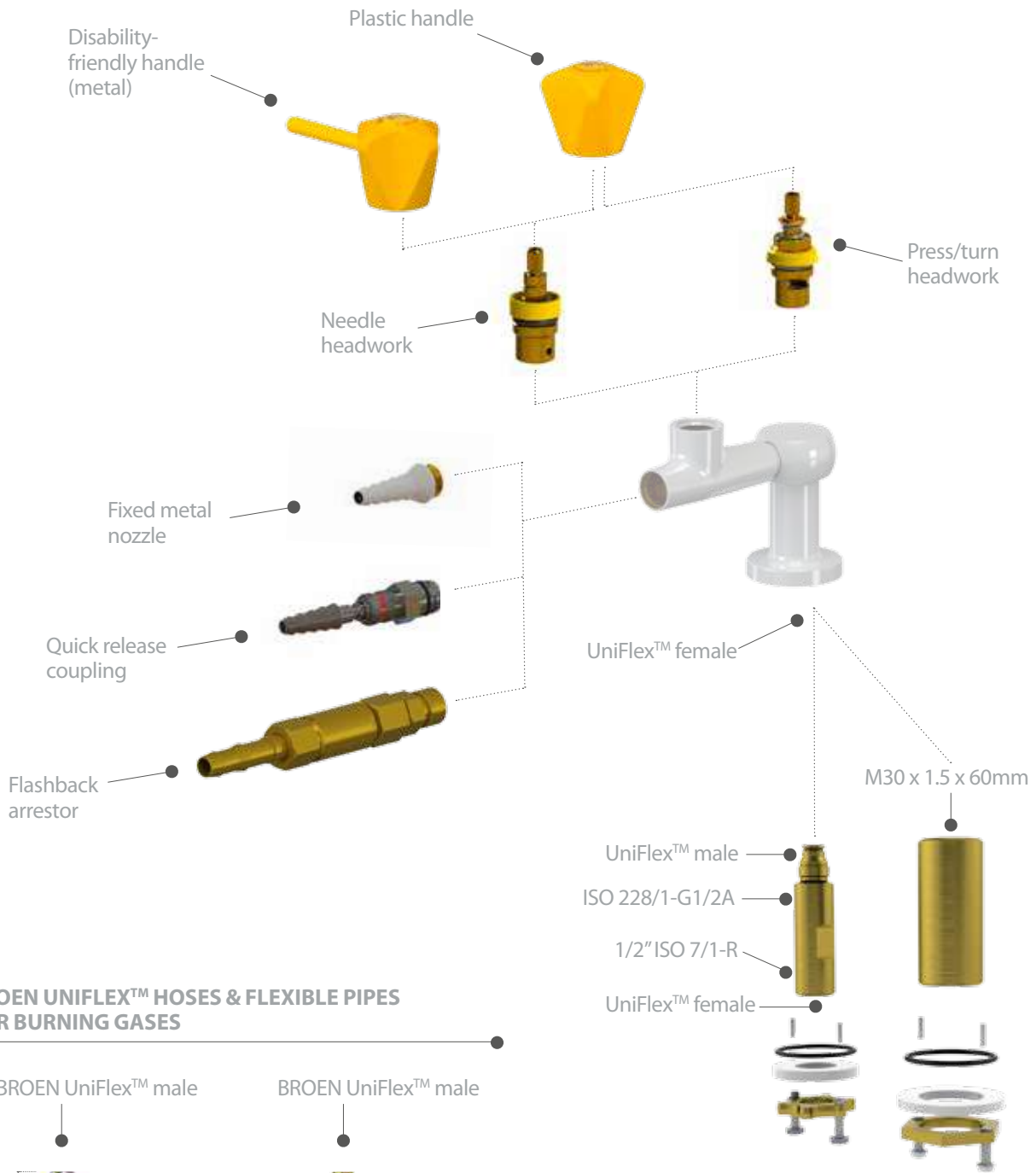
BROEN UNIFLEX™ FITTINGS FOR BURNING GASES



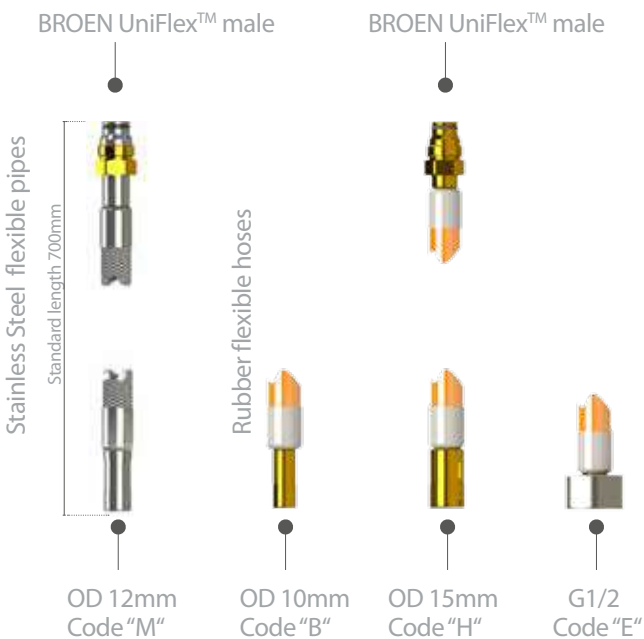
BROEN

INTELLIGENT FLOW SOLUTIONS

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BROEN UNIFLEX™ HOSES & FLEXIBLE PIPES FOR BURNING GASES



BROEN UNIFLEX™ FITTINGS FOR BURNING GASES

THIS IS BROEN UNIFLEX™ BASIC

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

BROEN UNIFLEX™ FITTINGS FOR BURNING GASES



BROEN UniFlex™ BASIC fittings for burning gases 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).

All BROEN UniFlex™ BASIC fittings are delivered with a plastic handle having media indication according to EN13792. Ceramic press/turn safety headwork prevents unintentional opening of the valve.

All BROEN UniFlex™ BASIC fittings for burning gases are delivered with a fixed metal nozzle or a quick release coupling for easy and immediate connection and safe disconnection.

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 or 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).

WHAT IS BURNING GAS?

Burning or flammable gases are gases that burn or explode in presence of air or oxygen.

BROEN UniFlex™ fittings for burning gases can be used for natural gas (G), liquefied petroleum gas (LPG) as well as low pressure bottle gases such as:

- propane
- butane
- methane
- acetylene
- hydrogen

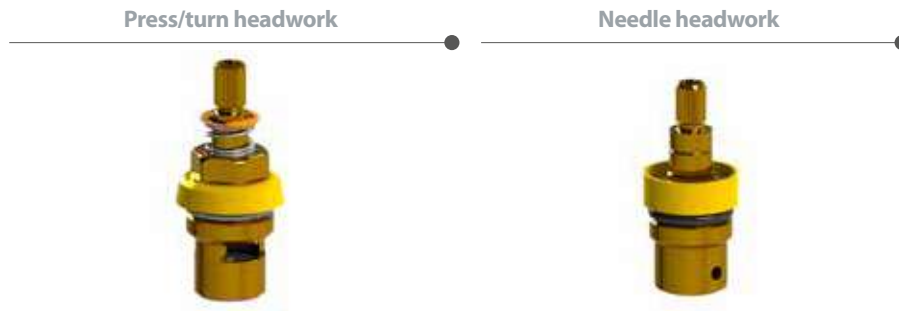
These gases are typically commercially manufactured and sold to be used in applications within:

- laboratory and instrumentation
- chemical and petrochemical industry
- semiconductor industry
- welding, etc.

Please always refer to local regulations when installing the products for burning gases!

OUR HEADWORKS

BROEN UniFlex™ BASIC fittings for burning gases can be delivered with 2 different types of headworks depending on the requirements set by applications with regards to safety and/or regulation of media flow.



As standard all BROEN UniFlex™ BASIC fittings for burning gases are delivered with a ceramic press/turn safety headwork with 90° opening/closing function, which prevents unintentional opening of the valve.

If there is a need for fine regulation of media flow then it is possible to get a fitting with a needle headwork that has 3x360° opening/closing function.

For more information about BROEN headworks and technical details please refer to page 17 in this catalogue.

FLASHBACK ARRESTOR

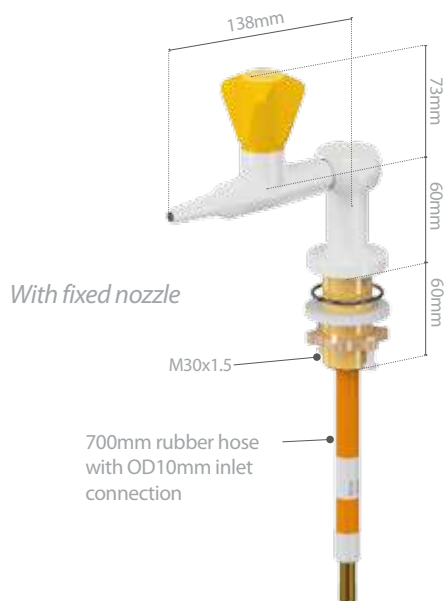
Flashback arrestor ensures reliable protection against dangerous gas backflow and flashback. It is recommended to use a flashback arrestor for burning gases, such as Acetylene, Town gas, Methane, LPG, etc.

Please always refer to local regulations when installing the products for burning gases.

Please contact your BROEN LAB sales representative for ordering information.

HOSES & FLEXIBLE PIPES

BROEN UniFlex™ BASIC fittings for burning gases can be delivered either with stainless steel flexible pipes or rubber hoses depending on the type of application and customer requirements. For more information about hoses please refer to pages 14-16 in this catalogue.



With fixed nozzle



With quick release coupling

SPECIFICATIONS

- Handle:** Plastic with media indication according to EN13792
- Hose nozzle:** Metal, fixed
- Headwork:** Ceramic, press/turn
- Opening/closing function:** 90°
- Max. working pressure:** 7 bar / 102 psi
- Allowable test pressure after installation:** 10 bar without function of the valve

MATERIALS WITH MEDIA CONTACT

- Metals:** Brass, NBR (rubber hose)
- Sealing:** Nitrile (NBR)
- Lubricant:** Mineral oil based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

- Other options:
- different media
 - flashback arrestor
 - needle headwork
 - disability-friendly handle (for needle headwork only)
 - alternative hose type and inlet connection
 - other inlet options (type, length)
 - national approvals

Model: with fixed nozzle

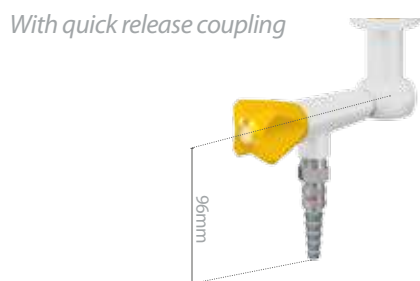
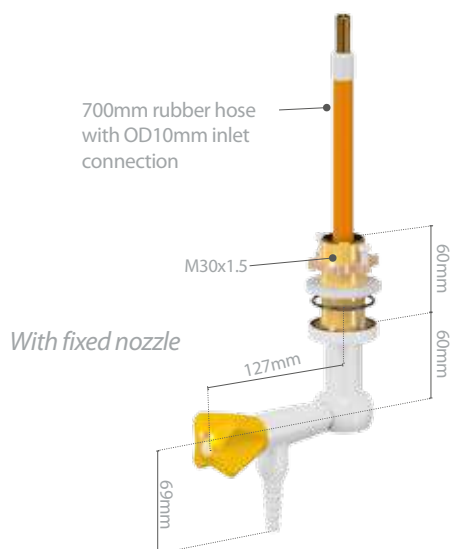
| Media | 1-valve | 2-valve 90° | 2-valve 180° | 4-valve |
|-------------------------|-------------------|-------------------|-------------------|-------------------|
| Natural gas | 2532 006 1031-52B | 2532 019 1031-52B | 2532 012 1031-52B | 2532 045 1031-52B |
| Liquefied petroleum gas | 2532 006 1032-52B | 2532 019 1032-52B | 2532 012 1032-52B | 2532 045 1032-52B |
| Hydrogen | 2532 006 1034-52B | 2532 019 1034-52B | 2532 012 1034-52B | 2532 045 1034-52B |

Fittings are delivered with a 700mm rubber hose with OD10mm inlet connection.
For other options please refer to page 19 or contact your local BROEN LAB representative.

Model: with quick release coupling

| Media | 1-valve | 2-valve 90° | 2-valve 180° | 4-valve |
|-------------------------|-------------------|-------------------|-------------------|-------------------|
| Natural gas | 2532 046 1031-52B | 2532 048 1031-52B | 2532 047 1031-52B | 2532 049 1031-52B |
| Liquefied petroleum gas | 2532 046 1032-52B | 2532 048 1032-52B | 2532 047 1032-52B | 2532 049 1032-52B |
| Hydrogen | 2532 046 1034-52B | 2532 048 1034-52B | 2532 047 1034-52B | 2532 049 1034-52B |

Fittings are delivered with a 700mm rubber hose with OD10mm inlet connection.
For other options please refer to page 19 or contact your local BROEN LAB representative.



SPECIFICATIONS

- Handle:** Plastic with media indication according to EN13792
- Hose nozzle:** Metal, fixed
- Headwork:** Ceramic, press/turn
- Opening/closing function:** 90°
- Max. working pressure:** 7 bar / 102 psi
- Allowable test pressure after installation:** 10 bar without function of the valve

MATERIALS WITH MEDIA CONTACT

- Metals:** Brass, NBR (rubber hose)
- Sealing:** Nitrile (NBR)
- Lubricant:** Mineral oil based

ORDERING INFORMATION

- For standard configuration please refer to the item numbers below.
- Other options:
- different media
 - flashback arrestor
 - needle headwork
 - alternative hose type and inlet connection
 - other inlet options (type, length)
 - national approvals

Model: with fixed nozzle



| Media | 1-valve | 2-valve 90° | 2-valve 180° | 4-valve |
|-------------------------|-------------------|-------------------|-------------------|-------------------|
| Natural gas | 2530 076 1031-52B | 2530 061 1031-52B | 2530 071 1031-52B | 2530 227 1031-52B |
| Liquefied petroleum gas | 2530 076 1032-52B | 2530 061 1032-52B | 2530 071 1032-52B | 2530 227 1032-52B |
| Hydrogen | 2530 076 1034-52B | 2530 061 1034-52B | 2530 071 1034-52B | 2530 227 1034-52B |

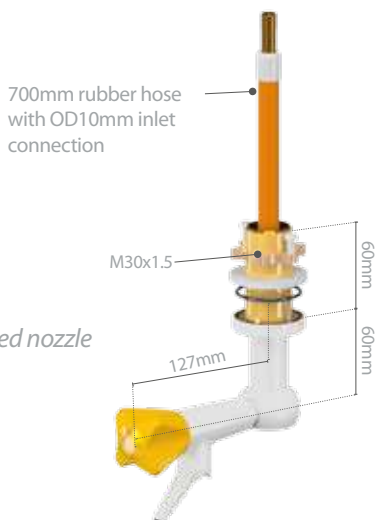
Fittings are delivered with a 700mm rubber hose with OD10mm inlet connection.
For other options please refer to page 19 or contact your local BROEN LAB representative.

Model: with quick release coupling



| Media | 1-valve | 2-valve 90° | 2-valve 180° | 4-valve |
|-------------------------|-------------------|-------------------|-------------------|-------------------|
| Natural gas | 2530 228 1031-52B | 2530 229 1031-52B | 2530 230 1031-52B | 2530 231 1031-52B |
| Liquefied petroleum gas | 2530 228 1032-52B | 2530 229 1032-52B | 2530 230 1032-52B | 2530 231 1032-52B |
| Hydrogen | 2530 228 1034-52B | 2530 229 1034-52B | 2530 230 1034-52B | 2530 231 1034-52B |

Fittings are delivered with a 700mm rubber hose with OD10mm inlet connection.
For other options please refer to page 19 or contact your local BROEN LAB representative.



SPECIFICATIONS

Handle: Plastic with media indication according to EN13792

Hose nozzle: Metal, fixed

Headwork: Ceramic, press/turn

Opening/closing function: 90°

Max. working pressure: 7 bar / 102 psi

Allowable test pressure after installation:
10 bar without function of the valve

MATERIALS WITH MEDIA CONTACT

Metals: Brass, NBR (rubber hose)

Sealing: Nitrile (NBR)

Lubricant: Mineral oil based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- flashback arrestor
- needle headwork
- alternative hose type and inlet connection
- other inlet options (type, length)
- national approvals

Model: with fixed nozzle



| Media | 1-valve | 2-valve 90° | 2-valve 180° | 4-valve |
|-------------------------|-------------------|-------------------|-------------------|-------------------|
| Natural gas | 2530 220 1031-52B | 2530 221 1031-52B | 2530 168 1031-52B | 2530 222 1031-52B |
| Liquefied petroleum gas | 2530 220 1032-52B | 2530 221 1032-52B | 2530 168 1032-52B | 2530 222 1032-52B |
| Hydrogen | 2530 220 1034-52B | 2530 221 1034-52B | 2530 168 1034-52B | 2530 222 1034-52B |

Fittings are delivered with a 700mm rubber hose with OD10mm inlet connection.

For other options please refer to page 19 or contact your local BROEN LAB representative.

Model: with quick release coupling



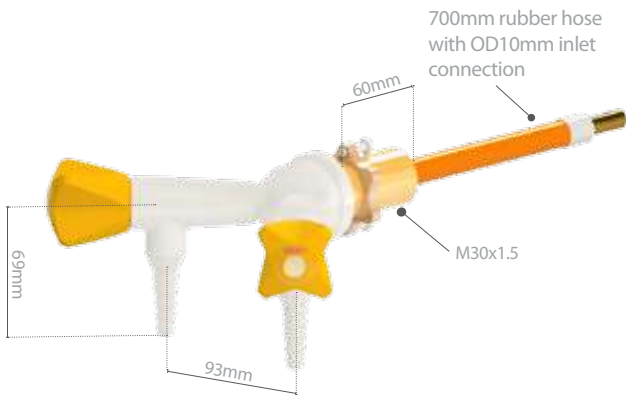
| Media | 1-valve | 2-valve 90° | 2-valve 180° | 4-valve |
|-------------------------|-------------------|-------------------|-------------------|-------------------|
| Natural gas | 2530 223 1031-52B | 2530 224 1031-52B | 2530 225 1031-52B | 2530 226 1031-52B |
| Liquefied petroleum gas | 2530 223 1032-52B | 2530 224 1032-52B | 2530 225 1032-52B | 2530 226 1032-52B |
| Hydrogen | 2530 223 1034-52B | 2530 224 1034-52B | 2530 225 1034-52B | 2530 226 1034-52B |

Fittings are delivered with a 700mm rubber hose with OD10mm inlet connection.

For other options please refer to page 19 or contact your local BROEN LAB representative.



With fixed nozzle



With quick release coupling



BROEN UNIFLEX™ FITTINGS FOR BURNING GASES

SPECIFICATIONS

- Handle:** Plastic with media indication according to EN13792
- Hose nozzle:** Metal, fixed
- Headwork:** Ceramic, press/turn
- Opening/closing function:** 90°
- Max. working pressure:** 7 bar / 102 psi
- Allowable test pressure after installation:** 10 bar without function of the valve

MATERIALS WITH MEDIA CONTACT

- Metals:** Brass, NBR (rubber hose)
- Sealing:** Nitrile (NBR)
- Lubricant:** Mineral oil based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

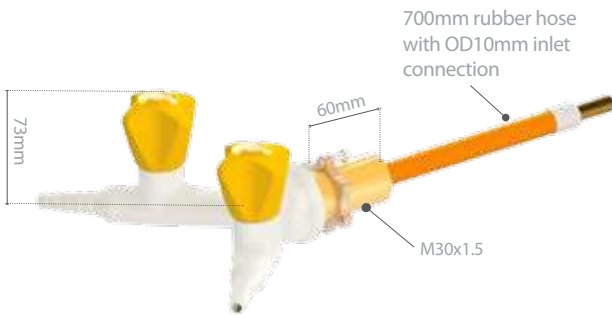
- Other options:
- different media
 - flashback arrestor
 - needle headwork
 - disability-friendly handle (for needle headwork only)
 - alternative hose type and inlet connection
 - other inlet options (type, length)
 - national approvals

Models

| Media | with fixed nozzle | with quick release coupling |
|-------------------------|-------------------|-----------------------------|
| Natural gas | 2530 218 1031-52B | 2530 219 1031-52B |
| Liquefied petroleum gas | 2530 218 1032-52B | 2530 219 1032-52B |
| Hydrogen | 2530 218 1034-52B | 2530 219 1034-52B |

*Fittings are delivered with a 700mm rubber hose with OD10mm inlet connection.
For other options please refer to page 19 or contact your local BROEN LAB representative.*

With fixed nozzle



SPECIFICATIONS

Handle: Plastic with media indication according to EN13792

Hose nozzle: Metal, fixed

Headwork: Ceramic, press/turn

Opening/closing function: 90°

Max. working pressure: 7 bar / 102 psi

Allowable test pressure after installation:
10 bar without function of the valve

MATERIALS WITH MEDIA CONTACT

Metals: Brass, NBR (rubber hose)

Sealing: Nitrile (NBR)

Lubricant: Mineral oil based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- flashback arrestor
- needle headwork
- alternative hose type and inlet connection
- other inlet options (type, length)
- national approvals

With quick release coupling



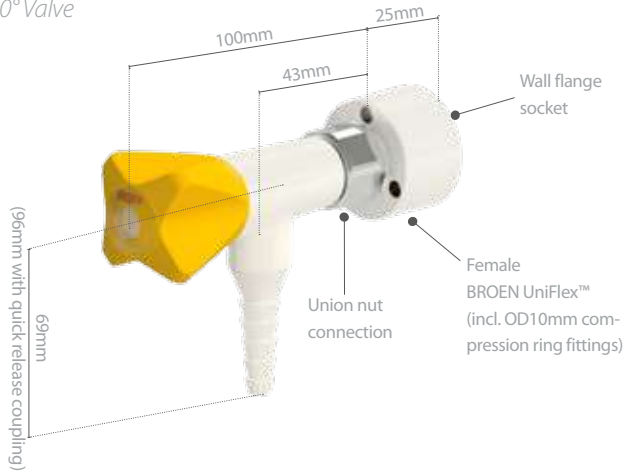
Models

| Media | with fixed nozzle | with quick release coupling |
|-------------------------|-------------------|-----------------------------|
| Natural gas | 2532 054 1031-52B | 2532 055 1031-52B |
| Liquefied petroleum gas | 2532 054 1032-52B | 2532 055 1032-52B |
| Hydrogen | 2532 054 1034-52B | 2532 055 1034-52B |

Fittings are delivered with a 700mm rubber hose with OD10mm inlet connection.

For other options please refer to page 19 or contact your local BROEN LAB representative.

90° Valve



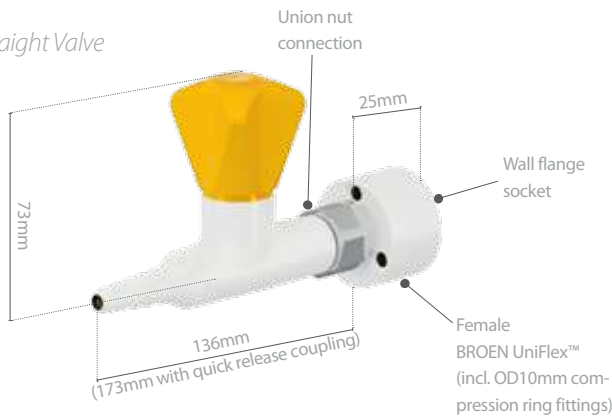
SPECIFICATIONS

- Handle:** Plastic with media indication according to EN13792
- Hose nozzle:** Metal, fixed
- Headwork:** Ceramic, press/turn
- Opening/closing function:** 90°
- Max. working pressure:** 7 bar / 102 psi
- Allowable test pressure after installation:** 10 bar without function of the valve

MATERIALS WITH MEDIA CONTACT

- Metals:** Brass
- Sealing:** Nitrile (NBR)
- Lubricant:** Mineral oil based

Straight Valve



ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- flashback arrestor
- needle headwork
- disability-friendly handle (for needle headwork only)
- other inlet options (compression ring fittings, flexible SS pipe / rubber hose)
- wall flange socket for built-in installation
- national approvals

BROEN UNIFLEX™ FITTINGS FOR BURNING GASES

Models: 90° valve



Media

with fixed nozzle

with quick release coupling



Natural gas

2530 171 1031-T

2530 217 1031-T



Liquefied petroleum gas

2530 171 1032-T

2530 217 1032-T



Hydrogen

2530 171 1034-T

2530 217 1034-T

Delivered with wall flange socket and compression ring fitting for OD10mm Cu-pipe

For other options please refer to pages 14-16 or contact your local BROEN LAB representative.

Models: straight valve



Media

with fixed nozzle

with quick release coupling



Natural gas

2532 125 1031-T

2532 126 1031-T



Liquefied petroleum gas

2532 125 1032-T

2532 126 1032-T



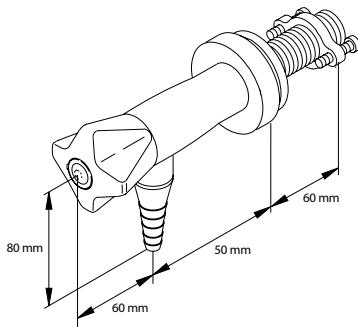
Hydrogen

2532 125 1034-T

2532 126 1034-T

Delivered with wall flange socket and compression ring fitting for OD10mm Cu-pipe

For other options please refer to pages 14-16 or contact your local BROEN LAB representative.



SPECIFICATIONS

Handle: Plastic with media indication according to EN13792

Hose nozzle: Metal, fixed

Headwork: Ceramic, press/turn

Opening/closing function: 90°

Max. working pressure: 7 bar / 102 psi

Allowable test pressure after installation:
10 bar without function of the valve

MATERIALS WITH MEDIA CONTACT

Metals: Brass

Sealing: Nitrile (NBR)

Lubricant: Mineral oil based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- flashback arrestor
- other inlet options (compression ring fittings, flexible SS pipe / rubber hose)

Models:

| Media | with fixed nozzle | with quick release coupling |
|-------------------------|-------------------|-----------------------------|
| Natural gas | 2530 327 1031-52B | 2530 328 1031-52B |
| Liquefied petroleum gas | 2530 327 1032-52B | 2530 328 1032-52B |
| Hydrogen | 2530 327 1034-52B | 2530 328 1034-52B |

Fittings are delivered with a 700mm rubber hose with OD10mm inlet connection.

For other options please refer to page 19 or contact your local BROEN LAB representative.

BROEN LAB offers BROEN UniFlex™ hoses and flexible Stainless Steel pipes 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 time and labour - in other words - reduced installation costs.

Select the right product to ensure safe installation and long service life!

The total design of the system must be taken into consideration when selecting the type of BROEN UniFlex™ flexible hose or pipe for specific media. Only then products will provide safe, trouble-free operation.



Please always check local requirements/regulations regarding installation and maintenance of hoses/flexible pipes!

A very high quality of materials applied for production of hoses and Stainless Steel flexible pipes, which are supplied by BROEN LAB, and a long-time experience in making installations worldwide, combined with optimal installation conditions, may assure a lifetime for a hose to be more than 10 years. Expected lifetime can only be achieved under normal use and proper installation methods, which are described in technical specifications, i.e. max. working pressure, max. temperature, physical installation methods and other. Any nonconformity to specifications decreases the lifetime of a hose/flexible pipe.

Which hose/flexible pipe to select?

In the table below you find the summary of the factors that are necessary to consider when selecting a BROEN UniFlex™ flexible hoses/pipes for burning gases.

BROEN UNIFLEX™ FITTINGS FOR BURNING GASES

| Factors* |  Rubber hose (polyester reinforced) |  Metal flexible pipe |
|-----------------------------------|---|---|
| Inner hose material | Nitrile (NBR) | Stainless Steel AISI 316L |
| Outer hose material / braiding | EPDM | Stainless Steel AISI 304 |
| Hose materials with media contact | Brass, Nitrile (NBR) and mineral oil based lubricant | SS AISI 316L, NBR and mineral oil based lubricant |
| Sealing material | Nitrile (NBR) | Nitrile (NBR) |
| Inside diameter | 6.3mm | 8.2mm |
| Outside diameter | 12.9mm | 12.2mm |
| Max. working pressure | 10 bar | 132 bar (at 20°C) |
| Max. working temperature | 60°C | 600°C |
| Min. bending radius | 40mm | 32mm |
| UV resistance | + | +++ |
| Range of connections | +++ | + |

* Values shown in the table are valid for rubber hoses and flexible Stainless Steel pipes only.



INLET CONNECTIONS
93 G XX XX XXXX

G3/8"A fixed connection (Code 32)

G1/2"A fixed connection (Code 31)

G1/2" union connection (Code 40)

OD10mm connection for compression fittings (Code 10)

OD12mm connection for compression fittings (Code 12)

OD15mm connection for compression fittings (Code 15)

Straight BROEN UniFlex™ connection with NBR O-ring (Code 20)

45° BROEN UniFlex™ connection with NBR O-ring (Code 25)

90° BROEN UniFlex™ connection with NBR O-ring (Code 30)

OUTLET CONNECTIONS
93 G XX XX XXXX

Straight BROEN UniFlex connection with NBR O-ring (Code 20)

45° BROEN UniFlex connection with NBR O-ring (Code 25)

90° BROEN UniFlex connection with NBR O-ring (Code 30)

*All O-rings are lubricated with mineral oil based lubricant

HOSE
93 G XX XX XXXX

Rubber hose (polyester reinforced)

Marking for burning gases 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:** Nitrile (NBR)
- Outer hose material:** EPDM
- Hose materials with media contact:** brass, NBR and mineral oil based lubricant
- Sealing material:** Nitrile (NBR)
- Inside diameter:** 6.3mm
- Outside diameter:** 12.9mm
- Max. working pressure:** 10 bar
- Max. working temperature:** 60°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



93G12201200

* Other lengths are available on request

INLET CONNECTIONS

93 M **XX** XX XXXX

G1/2" union connection (Code **40**)



OD12mm connection (Code **12**)



Straight BROEN UniFlex™ connection with NBR O-ring (Code **20**)



OUTLET CONNECTIONS

93 M XX **XX** XXXX

Straight BROEN UniFlex connection with NBR O-ring (Code **20**)



*All O-rings are lubricated with mineral oil based lubricant

HOSE

93 M XX XX **XXXX**

Flexible SS pipe with braiding in stainless steel



Marking for burning gases with Part no. and Media indication

HOSE LENGTHS

Definition of length (L)



*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:

Stainless Steel AISI 316L

Braiding: Stainless steel AISI 304

Hose materials with media contact:

SS AISI 316L, NBR and mineral oil based lubricant

Inside diameter: 8.2 mm

Outside diameter: 12.2 mm

Max. working pressure at 20°C: 132 bar

Max. working temperature: 600°C

Bending radius (inner):

≥ 32 mm (static)

≥ 124 mm (dynamic)

Min. length with connections: 350mm

EXAMPLE OF HOSE CONFIGURATION

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



93M12201200

* Other lengths are available on request

HEADWORKS

PRESS/TURN HEADWORK

SPECIFICATIONS

BROEN UniFlex™ BASIC fittings for burning gases are as a standard delivered with a safety press/turn headwork.

Opening/closing function: 90° turn

Media: Burning gases

Max. working pressure: 7 bar / 102 psi

Allowable test pressure after installation:
10 bar without function of the valve



Press/turn headwork

MATERIALS WITH MEDIA CONTACT

Metals: Brass

Sealing: Nitrile (NBR)

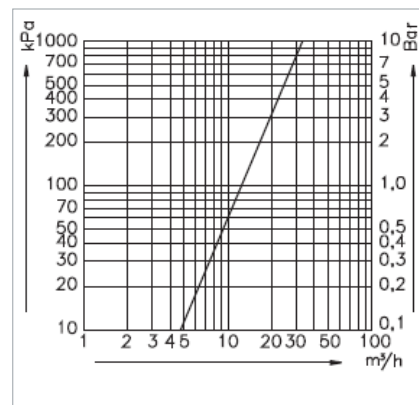
Lubricant: Mineral oil based

ORDERING INFORMATION

Press/turn headwork

Not available as a spare part (for safety reasons)

FLOW CHART



NEEDLE HEADWORK

SPECIFICATIONS

BROEN UniFlex™ fittings for burning gases can be also delivered with a needle headwork where fine regulation of flow is required.

Opening/closing function: 3 x 360° turn

Media: Burning gases

Max. working pressure: 16 bar / 232 psi

Allowable test pressure after installation:
1.5 x max. working pressure without function of the valve



1. Yellow plastic ring

2. Needle headwork

MATERIALS WITH MEDIA CONTACT

Metals: Brass

Sealing: Nitrile (NBR)

Lubricant: Mineral oil based

ORDERING INFORMATION

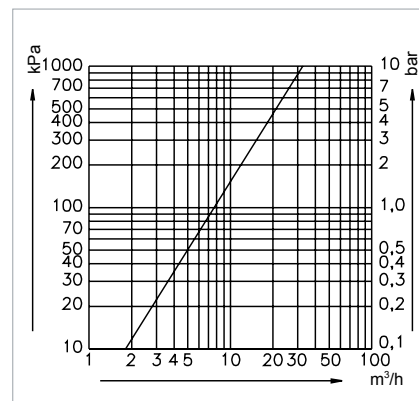
1. Yellow plastic ring

No. 0255035-4059

2. Needle headwork

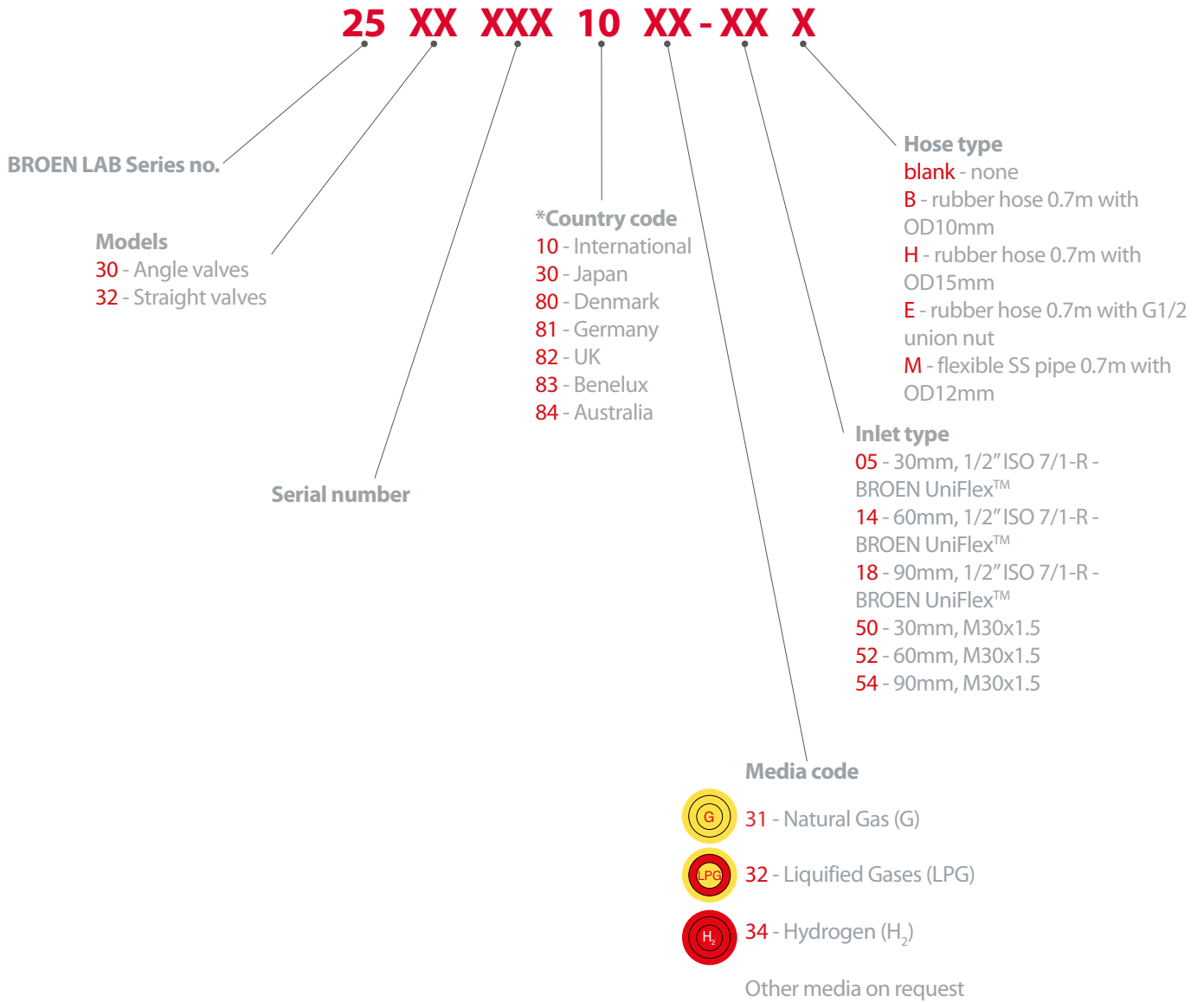
Not available as a spare part (for safety reasons)

FLOW CHART



| Illustration | Description | BROEN item No. |
|--------------|--|--|
| | Mounting set for G1/2 connection Mounting set for M30x1.5 connection | 19 141 000 19 190 000 |
| | Threaded inlet pipe M30x1,5 L=30mm L=60mm L=90mm | 19 190 03 19 190 02 19 190 04 |
| | 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 | 1492304G |
| | Plastic handle with media indication according to EN 13792 (for press/turn headwork) | 191501401031 (G) 191501401032 (LPG) 191501401034 (H ₂) |
| | Hose nozzle for quick release coupling | 96C0030 |

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



BROEN UNIFLEX™ FITTINGS FOR BURNING GASES

For installation with Cu- and Stainless Steel BROEN LAB offers a wide range of connection fittings and adapters for pipes of different dimensions. Please request document No. 99G0004 for a complete range of BROEN UniFlex™ compression ring fittings.

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

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.

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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.

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