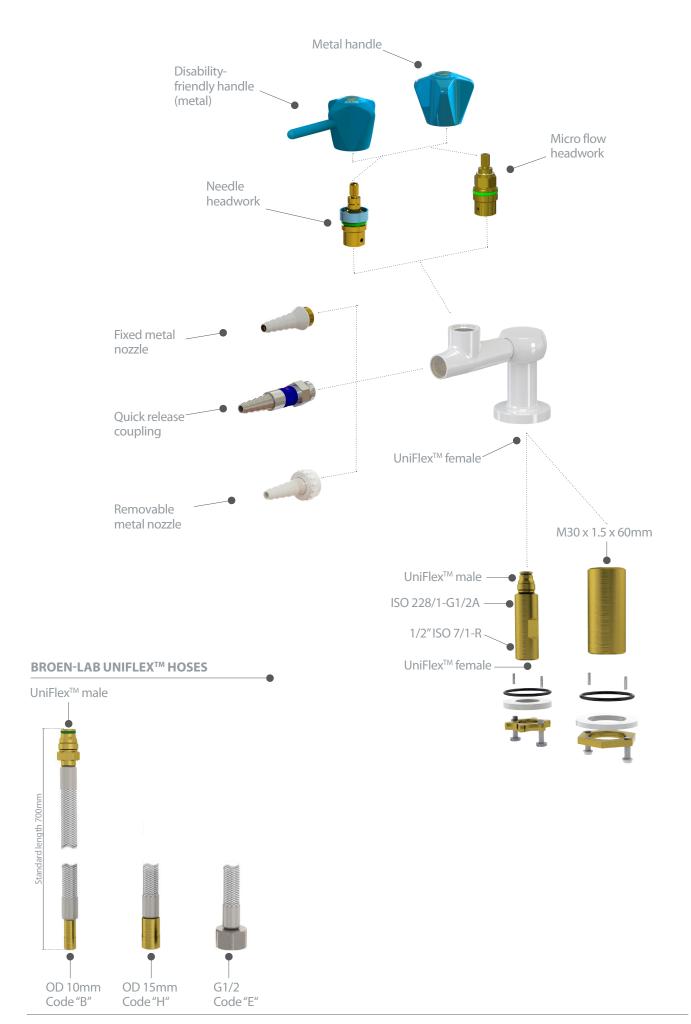




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THIS IS BROEN-LAB UNIFLEX™ PREMIUM

BROEN-LAB UniFlexTM 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-LAB UniFlexTM PREMIUM fittings for non-burning 4.0 gases are designed for laboratory use and are adapted to Oxygen service.

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).

All BROEN-LAB UniFlex™ PREMIUM fittings are delivered with a powder coated metal handle with media indication according to EN13792. As an option it is possible to get fittings with disability-friendly handle for easier operation.

BROEN-LAB UniFlexTM PREMIUM fittings for non-burning 4.0 gases / Oxygen are delivered with a fixed metal nozzle (can be removed with Allen key if needed) or a quick release coupling (hexagon coded) for easy and immediate connection and safe disconnection.

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).



WHAT IS NON-BURNING 4.0 GAS?

Non-burning 4.0 gases are typical industrial and technical gases that are 99,99% clean and should be used in applications where impurities must be avoided. Common media that require oil and grease-free fittings are Oxygen, Instrumental, Synthetic and Medical air as well as Helium and other oil-free gases for use with critical instrumentation.

BROEN-LAB UniFlex[™] fittings for non-burning 4.0 gases are adapted to Oxygen service, meaning that the presence of mineral based oils and grease is minimized. Materials with media contact are Oxygen approved and ultrasonically cleaned. Assembled fittings are individually packed into sealed plastic bags.

WHAT IS OXYGEN?

Oxygen is the most abundant element on the earth's surface. In its most well-known form it constitutes 21% of the atmosphere, it is a tasteless, odorless and colorless gas essential to life.

Oxygen itself is not the fuel, but the oxidant and can ignite or support a fire if it comes into contact with flammable substances.

Oxygen is used in innumerable application in industries such as:

- chemicals
- pharmaceauticals
- healthcare
- laboratory and analysis
- food and beverage
- electronics, etc.

SYSTEM REQUIREMENTS

Due to the physical and chemical properties of Oxygen the following requirements are set up to an Oxygen system:

- valves and fittings that should be applied with Oxygen must be free of mineral based oil and grease
- materials that come into contact with Oxygen (metals, O-rings, gaskets, plastics, lubricants, etc.) must be Oxygen approved
- recommended working pressure for Oxygen must not be exceeded
- valves must be opened slowly in order to avoid possible ignition.

OUR HEADWORKS

BROEN-LAB UniFlex[™] PREMIUM fittings for non-burning 4.0 gases can be delivered with 2 different types of headworks depending on the requirements set by applications with regards to regulation of media flow.

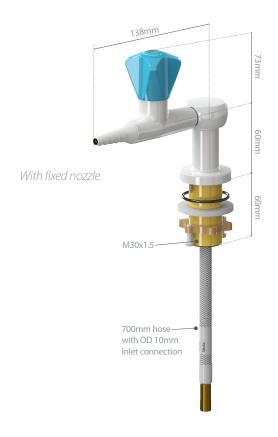


As a standard all BROEN-LAB UniFlexTM PREMIUM fittings for non-burning 4.0 gases are delivered with a needle headwork that allows fine regulation of media flow and the valve is fully opened after $3 \times 360^{\circ}$ rotations of a handle.

In cases where media flow is close to zero and when a microscopic flow rate is required then it is an option to choose a micro flow headwork, which provides a very fine regulation of media flow.

For more information about BROEN-LAB headworks and technical details please refer to page 20 in this catalogue.







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

Hose nozzle: Metal, fixed (can be unscrewed with Allen key,

thread: male G3/8) **Headwork:** Needle

Opening/closing function: 3 x 360°

Max. working pressure:

16 bar / 232 psi

Allowable test pressure after installation:

1.5 x max working pressure without function of the valve

MATERIALS WITH MEDIA CONTACT

Materials with media contact are Oxygen approved and ultrasonically cleaned.

Metals: Brass

Plastics: PVDF, Teflon (hose)

Sealing: FKM

Lubricant: Perfluoropolyether based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- removable hose nozzle with union nut
- disability-friendly handle (single valve only)
- micro flow headwork
- alternative hose inlet connection / without a hose
- other inlet options (type, length)



PREMIUM

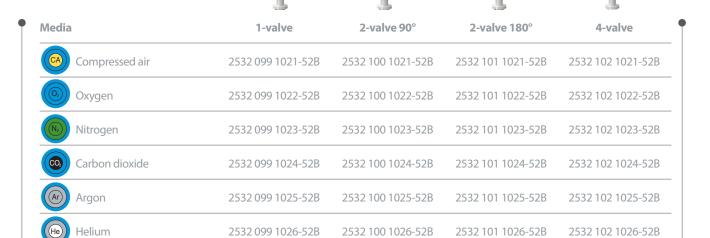
Model: with fixed nozzle

	1	1		2000
Media	1-valve	2-valve 90°	2-valve 180°	4-valve
Compressed air	2532 040 1021-52B	2532 042 1021-52B	2532 041 1021-52B	2532 044 1021-52B
Oxygen	2532 040 1022-52B	2532 042 1022-52B	2532 041 1022-52B	2532 044 1022-52B
N. Nitrogen	2532 040 1023-52B	2532 042 1023-52B	2532 041 1023-52B	2532 044 1023-52B
Carbon dioxide	2532 040 1024-52B	2532 042 1024-52B	2532 041 1024-52B	2532 044 1024-52B
(A) Argon	2532 040 1025-52B	2532 042 1025-52B	2532 041 1025-52B	2532 044 1025-52B
Helium	2532 040 1026-52B	2532 042 1026-52B	2532 041 1026-52B	2532 044 1026-52B
Dinitrogen monoxide	2532 040 1027-52B	2532 042 1027-52B	2532 041 1027-52B	2532 044 1027-52B

Fittings are delivered with a 700mm PTFE hose with OD10mm inlet conneciton.

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

Model: with quick release coupling (hexagon coded)



2532 100 1027-52B

2532 101 1027-52B

 ${\it Fittings}\ are\ delivered\ with\ a\ 700mm\ PTFE\ hose\ with\ OD10mm\ inlet\ connection.$

Dinitrogen monoxide

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

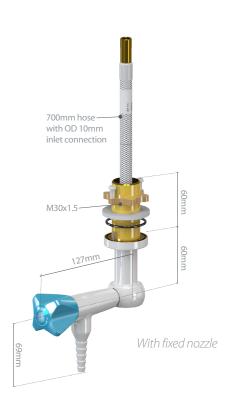
2532 099 1027-52B

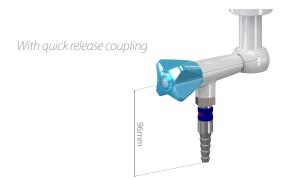


 $For further information and mounting instructions please refer to www.BROEN-LAB.com\ or\ contact\ your\ local\ BROEN-LAB\ representative.$

2532 102 1027-52B







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

Hose nozzle: Metal, fixed (can be unscrewed with Allen key,

thread: male G3/8) **Headwork:** Needle

Opening/closing function: 3 x 360°

Max. working pressure:

16 bar / 232 psi

Allowable test pressure after installation:

1.5 x max working pressure without function of the valve

MATERIALS WITH MEDIA CONTACT

Materials with media contact are Oxygen approved and ultrasonically cleaned.

Metals: Brass

Plastics: PVDF, PTFE (hose)

Sealing: FKM

Lubricant: Perfluoropolyether based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- removable hose nozzle with union nut
- micro flow headwork
- alternative hose inlet connection / without a hose
- other inlet options (type, length)



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



Model: with fixed nozzle









Media	1-valve	2-valve 90°	2-valve 180°	4-valve
Compressed air	2530 123 1021-52B	2530 151 1021-52B	2530 055 1021-52B	2530 152 1021-52B
Oxygen	2530 123 1022-52B	2530 151 1022-52B	2530 055 1022-52B	2530 152 1022-52B
Nitrogen	2530 123 1023-52B	2530 151 1023-52B	2530 055 1023-52B	2530 152 1023-52B
Carbon dioxide	2530 123 1024-52B	2530 151 1024-52B	2530 055 1024-52B	2530 152 1024-52B
(Argon	2530 123 1025-52B	2530 151 1025-52B	2530 055 1025-52B	2530 152 1025-52B
Helium	2530 123 1026-52B	2530 151 1026-52B	2530 055 1026-52B	2530 152 1026-52B
Dinitrogen monoxide	2530 123 1027-52B	2530 151 1027-52B	2530 055 1027-52B	2530 152 1027-52B

Fittings are delivered with a 700mm PTFE hose with OD10mm inlet conneciton.

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

Model: with quick release coupling (hexagon coded)

Media	1-valve	2-valve 90°	2-valve 180°	4-valve
CAN Compressed air	2530 153 1021-52B	2530 154 1021-52B	2530 155 1021-52B	2530 156 1021-52B
Oxygen	2530 153 1022-52B	2530 154 1022-52B	2530 155 1022-52B	2530 156 1022-52B
N. Nitrogen	2530 153 1023-52B	2530 154 1023-52B	2530 155 1023-52B	2530 156 1023-52B
Carbon dioxide	2530 153 1024-52B	2530 154 1024-52B	2530 155 1024-52B	2530 156 1024-52B
(Argon	2530 153 1025-52B	2530 154 1025-52B	2530 155 1025-52B	2530 156 1025-52B
Helium	2530 153 1026-52B	2530 154 1026-52B	2530 155 1026-52B	2530 156 1026-52B
Dinitrogen monoxide	2530 153 1027-52B	2530 154 1027-52B	2530 155 1027-52B	2530 156 1027-52B

Fittings are delivered with a 700mm PTFE hose with OD10mm inlet conneciton.

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















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

Hose nozzle: Metal, fixed (can be unscrewed with Allen key,

thread: male G3/8) **Headwork:** Needle

Opening/closing function: 3 x 360°

Max. working pressure:

16 bar / 232 psi

Allowable test pressure after installation:

1.5 x max working pressure without function of the valve

MATERIALS WITH MEDIA CONTACT

Materials with media contact are Oxygen approved and ultrasonically cleaned.

Metals: Brass

Plastics: PVDF, PTFE (hose)

Sealing: FKM

Lubricant: Perfluoropolyether based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- removable hose nozzle with union nut
- micro flow headwork
- alternative hose inlet connection / without a hose
- other inlet options (type, length)



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



Model: with fixed nozzle

Media	1-valve	2-valve 90°	2-valve 180°	4-valve
Compressed air	2530 157 1021-52B	2530 158 1021-52B	2530 063 1021-52B	2530 159 1021-52B
© Oxygen	2530 157 1022-52B	2530 158 1022-52B	2530 063 1022-52B	2530 159 1022-52B
Nitrogen	2530 157 1023-52B	2530 158 1023-52B	2530 063 1023-52B	2530 159 1023-52B
Carbon dioxide	2530 157 1024-52B	2530 158 1024-52B	2530 063 1024-52B	2530 159 1024-52B
(A) Argon	2530 157 1025-52B	2530 158 1025-52B	2530 063 1025-52B	2530 159 1025-52B
Helium	2530 157 1026-52B	2530 158 1026-52B	2530 063 1026-52B	2530 159 1026-52B
Dinitrogen monoxide	2530 157 1027-52B	2530 158 1027-52B	2530 063 1027-52B	2530 159 1027-52B
Carbon dioxide Argon Helium	2530 157 1024-52B 2530 157 1025-52B 2530 157 1026-52B	2530 158 1024-52B 2530 158 1025-52B 2530 158 1026-52B	2530 063 1024-52B 2530 063 1025-52B 2530 063 1026-52B	2530 159 1024-52 2530 159 1025-52 2530 159 1026-52

Fittings are delivered with a 700mm PTFE hose with OD10mm inlet conneciton.

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

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Model: with quick release coupling

				7
Media	1-valve	2-valve 90°	2-valve 180°	4-valve
Compressed air	2530 160 1021-52B	2530 161 1021-52B	2530 162 1021-52B	2530 163 1021-52B
Oxygen	2530 160 1022-52B	2530 161 1022-52B	2530 162 1022-52B	2530 163 1022-52B
Nitrogen	2530 160 1023-52B	2530 161 1023-52B	2530 162 1023-52B	2530 163 1023-52B
Carbon dioxide	2530 160 1024-52B	2530 161 1024-52B	2530 162 1024-52B	2530 163 1024-52B
(Ar) Argon	2530 160 1025-52B	2530 161 1025-52B	2530 162 1025-52B	2530 163 1025-52B
Helium	2530 160 1026-52B	2530 161 1026-52B	2530 162 1026-52B	2530 163 1026-52B
Dinitrogen monoxide	2530 160 1027-52B	2530 161 1027-52B	2530 162 1027-52B	2530 163 1027-52B

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Fittings are delivered with a 700mm PTFE hose with OD10mm inlet conneciton.

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













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

Hose nozzle: Metal, fixed (can be unscrewed with Allen key,

thread: male G3/8) Headwork: Needle

Opening/closing function: 3 x 360°

Max. working pressure:

16 bar / 232 psi

Allowable test pressure after installation:

1.5 x max working pressure without function of the valve

MATERIALS WITH MEDIA CONTACT

Materials with media contact are Oxygen approved and ultrasonically cleaned.

Metals: Brass

Plastics: PVDF, PTFE (hose)

Sealing: FKM

Lubricant: Perfluoropolyether based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- removable hose nozzle with union nut
- disability-friendly handle
- micro flow headwork
- alternative hose inlet connection / without a hose
- other inlet options (type, length)

With quick release coupling



Models





Media	a	with fixed nozzle	with quick release coupling (hexagon coded)
CA	Compressed air	2530 164 1021-52B	2530 165 1021-52B
(O ₂)	Oxygen	2530 164 1022-52B	2530 165 1022-52B
(N ₂)	Nitrogen	2530 164 1023-52B	2530 165 1023-52B
CO	Carbon dioxide	2530 164 1024-52B	2530 165 1024-52B
Ar	Argon	2530 164 1025-52B	2530 165 1025-52B
He	Helium	2530 164 1026-52B	2530 165 1026-52B
NO	Dinitrogen monoxide	2530 164 1027-52B	2530 165 1027-52B

Fittings are delivered with a 700mm PTFE hose with OD10mm inlet conneciton.

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

DOUBLE WALL FITTINGS WITH STRAIGHT VALVES



With fixed nozzle



With quick release coupling



SPECIFICATIONS

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

Hose nozzle: Metal, fixed (can be unscrewed with Allen key,

thread: male G3/8) **Headwork:** Needle

Opening/closing function: 3 x 360°

Max. working pressure:

16 bar / 232 psi

Allowable test pressure after installation:

1.5 x max working pressure without function of the valve

MATERIALS WITH MEDIA CONTACT

Materials with media contact are Oxygen approved and ultrasonically cleaned.

Metals: Brass

Plastics: PVDF, Teflon (hose)

Sealing: FKM

Lubricant: Perfluoropolyether based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- removable hose nozzle with union nut
- micro flow headwork
- alternative hose inlet connection / without a hose
- other inlet options (type, length)

Models





(A) Compressed air 2532 089 1021-52B 2532	2 103 1021-52B
Oxygen 2532 089 1022-52B 2532	2 103 1021-52B
Nitrogen 2532 089 1023-52B 2532	2 103 1023-52B
Carbon dioxide 2532 089 1024-52B 2532	2 103 1024-52B
Argon 2532 089 1025-52B 2532	2 103 1025-52B
Helium 2532 089 1026-52B 2532	2 103 1026-52B
Dinitrogen monoxide 2532 089 1027-52B 2532	2 103 1027-52B

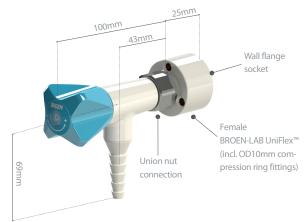
 ${\it Fittings}\ are\ delivered\ with\ a\ 700mm\ PTFE\ hose\ with\ OD10mm\ inlet\ conneciton.$

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

WALL MOUNTED FITTINGS WITH 90° VALVES FOR EXPOSED PIPING







With quick release coupling



Models

SPECIFICATIONS

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

Hose nozzle: Metal, fixed (can be unscrewed with Allen key,

thread: male G3/8) **Headwork:** Needle

Opening/closing function: 3 x 360°

Max. working pressure:

16 bar / 232 psi

Allowable test pressure after installation:

1.5 x max working pressure without function of the valve

MATERIALS WITH MEDIA CONTACT

Materials with media contact are Oxygen approved and ultrasonically cleaned.

Metals: Brass

Plastics: PVDF, PTFE (hose)

Sealing: FKM

Lubricant: Perfluoropolyether based

ORDERING INFORMATION

For standard configuration please refer to the item numbers below.

Other options:

- different media
- removable hose nozzle with union nut
- disability-friendly handle
- micro flow headwork
- alternative hose inlet connection / without a hose
- other inlet options (type, length)
- model with straight valve





Media	а	with fixed nozzle	with quick release coupling (hexagon coded)
CA	Compressed air	2530 068 1021-T	2530 166 1021-T
(O ₂)	Oxygen	2530 068 1022-T	2530 166 1022-T
(N ₂)	Nitrogen	2530 068 1023-T	2530 166 1023-T
(0)	Carbon dioxide	2530 068 1024-T	2530 166 1024-T
(Ar)	Argon	2530 068 1025-T	2530 166 1025-T
He	Helium	2530 068 1026-T	2530 166 1026-T
NO	Dinitrogen monoxide	2530 068 1027-T	2530 166 1027-T

Delivered with wall flange socket and compression ring fitting for OD10mm Cu-pipe. For other options please refer to pages 16 or contact BROEN-LAB representative.



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

Hose nozzle: Metal, fixed (can be unscrewed with Allen key, thread: male G3/8)

Headwork: Needle

Opening/closing function: 3 x 360°

Max. working pressure:

16 bar / 232 psi

Allowable test pressure after installation:

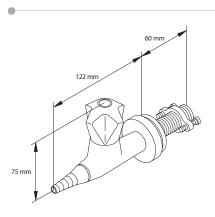
1.5 x max working pressure without function of the valve



Materials with media contact are Oxygen approved and ultrasonically cleaned.

Metals: Brass Plastics: PVDF Sealing: FKM

Lubricant: Perfluoropolyether based

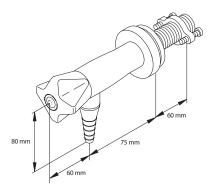


2532 167 10xx-52B - Non-burning 4.0 gases / Oxygen (with fixed nozzle)

2532 169 10xx-52B - Non-burning 4.0 gases / Oxygen (with hexagon coded quick release coupling)

For media XX please refer to page 19.

Fittings are delivered with a 700mm PTFE hose with OD10mm inlet connection. If you need another type of inlet connection please refer to page 19 or contact your sales representative.

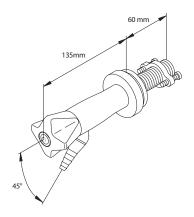


2530 329 10xx-52B - Non-burning 4.0 gases / Oxygen, 90° valve (with fixed nozzle)

2530 330 10xx-52B - Non-burning 4.0 gases / Oxygen, 90° valve (with hexagon coded quick release coupling)

For media XX please refer to page 19.

Fittings are delivered with a 700mm PTFE hose with OD10mm inlet connection. If you need another type of inlet connection please refer to page 19 or contact your sales representative.



2530 347 10xx-52B - Non-burning 4.0 gases / Oxygen, 45° Valve (with fixed nozzle)

2530 348 10xx-52B - Non-burning 4.0 gases / Oxygen, 90° valve (with hexagon coded quick release coupling)

For media XX please refer to page 19.

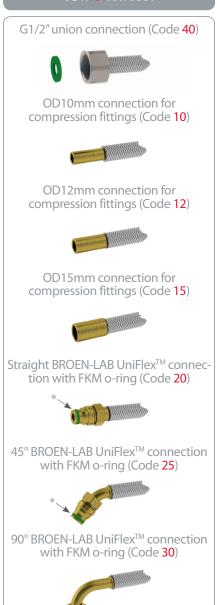
Fittings are delivered with a 700mm PTFE hose with OD10mm inlet connection. If you need another type of inlet connection please refer to page 19 or contact your sales representative.

BROEN-LAB UNIFLEX™ HOSES FOR NON-BURNING FOR 4.0 GASES AND OXYGEN



BROEN-LAB UniFlexTM hoses for non-burning 4.0 gases and Oxygen are manufactured of PTFE* and from the outside are secured by a Stainless Steel braiding that ensures long service life and durability. Materials with media contact are Oxygen approved and the presence of mineral based oils and grease is minimized. In addition to that hoses are packed individually in sealed bags in order to avoid possible contamination during transportation and installation.

INLET CONNECTIONS 93 R XX XX XXXX



OUTLET CONNECTIONS 93 R XX XX XXXXX

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



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



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



*All O-rings are lubricated with perfluoropolyether based lubricant

HOSE 93 R XX XX **XXXX**

PTFE hose with braiding in stainless steel



Marking for clean gases with Part no. and Media indication

HOSE LENGTHS

Definition of length (L)



Definition of length (L)



If an 45° and 90°elbow 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: $L = \le 400 \text{mm} (-0, +10 \text{mm})$ L = 401 mm to 1000 mm (-0, +20 mm)L = >1000 mm (-0, +30 mm)

SPECIFICATIONS

Inner hose material: PTFE*
Braiding: Stainless steel

Hose materials with media contact: PTFE, brass, FKM* and perfluoropolyether based

lubricant (Oxygen approved)

Inside diameter: 6.3mm

Outside diameter: 9.5mm

Max. working pressure: 21bar Max. working temperature: 50°C

Bending radius (inner): ≥ 60mm

Min. length with connections: 160mm

EXAMPLE OF HOSE CONFIGURATION

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



* PTFE and FKM are penetrable materials meaning that gases, vapors, and liquids may diffuse through them. Check compatibility with gases in application!

** Other lengths are available on request

NEEDLE HEADWORK

PREMIUM

SPECIFICATIONS

BROEN-LAB UniFlex[™] fittings for non-burning 4.0 gases / Oxygen are as a standard delivered with needle headwork for fine regulation of media flow.

Opening/closing function: 3 x 360° turn

Media: Non-burning 4.0 (99.99% clean) gases / Oxygen

Max. working pressure: 16 bar / 232 psi Allowable test pressure after installation:

1.5 x max. working pressure without function of the valve

• 1. Blue plastic ring • 2. Needle headwork

FLOW CHART

MATERIALS WITH MEDIA CONTACT

Metals: Brass Plastics: PVDF Sealing: FKM

Lubricant: Perfluoropolyether based

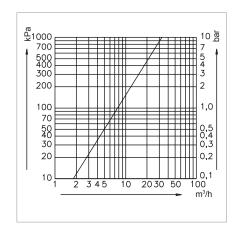
ORDERING INFORMATION

1. Blue plastic ring

No. 0255035-6308

2. Needle headwork

Not available as a spare part (for safety reasons)



MICRO FLOW HEADWORK

SPECIFICATIONS

BROEN-LAB Micro flow headwork ensures very fine regulation of media where flow of gas is close to zero and microscopic flow rates are required.

Opening/closing function: 7.5 x 360° turn

Media: Non-burning 4.0 (99.99% clean) gases / Oxygen

Max. working pressure: 16 bar / 232 psi **Test pressure:** 1.5 x working pressure



MATERIALS WITH MEDIA CONTACT

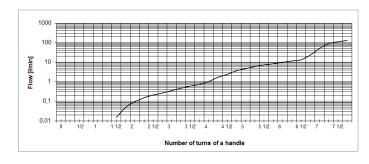
Metals: Brass
Plastics: PVDF
Sealing: FKM

Lubricant: Perfluoropolyether based

ORDERING INFORMATION

Not available as a spare part (for safety reasons).

FLOW CHART

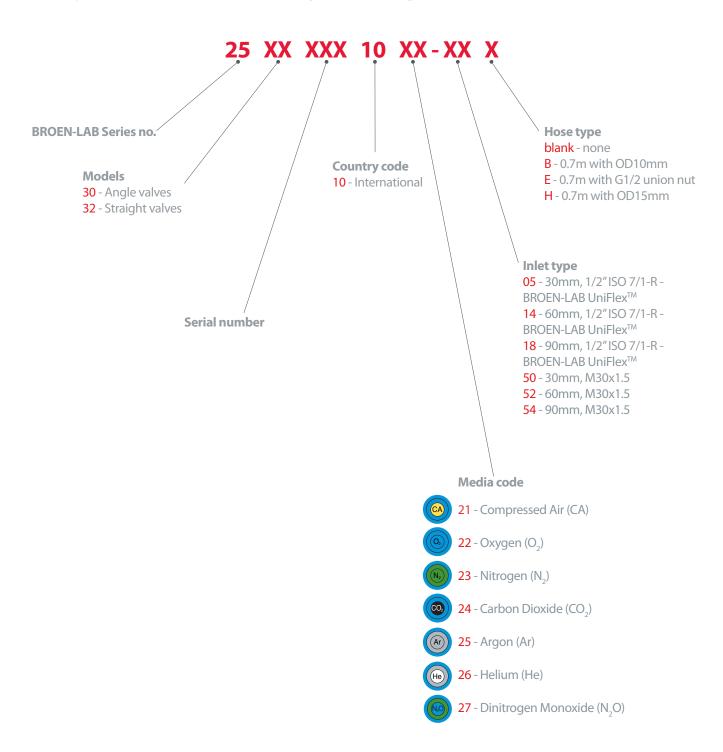




Description	BROEN-LAB item No.
Adaptor for removable metal nozzle	2539 043 1022
Removable metal nozzle	2539 008 1022
Fixed metal nozzle	2539 042 1022
Quick release coupling (hexagon coded)	19 633 00
Mounting set for G1/2 connection Mounting set for M30x1.5 connection	19 141 000 19 190 000
Inlet with 1/2″ ISO 7/1-R thread and female BROEN-LAB UniFlex™ connection (incl. O-ring)	
L=30mm L=60mm L=90mm	15 504 33R 15 504 12R 15 504 46R
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 300G
Wall flange socket (for built-in installation)	02 101 310
Cover flange for 02 101 310	1492304G
Metal handle with media indication according to EN 13792	191601491021 (CA) 191601491022 (O ₂) 191601491023 (N ₂) 191601491024 (CO ₂) 191601491025 (Ar) 191601491026 (He) 191601491027 (N ₂ O)
	Adaptor for removable metal nozzle Removable metal nozzle Fixed metal nozzle Quick release coupling (hexagon coded) Mounting set for G1/2 connection Mounting set for M30x1.5 connection Inlet with 1/2″ISO 7/1-R thread and female BROEN-LAB UniFlex™ connection (incl. O-ring) L=30mm L=60mm L=90mm Threaded inlet pipe M30x1,5 L=30mm L=60mm L=90mm Wall flange socket (for exposed piping) Wall flange socket (for built-in installation) Note that the set of



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



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-LAB UniFlex™ compression ring fittings.

BROEN-LAB develops, manufactures and sells 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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