

# BROEN-LAB

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## SPARE PARTS

**Headworks, handles, nozzles etc.**

99B0108 - 28.08.2025

# CONTENT

|                                                                                                   |               | Metal handle<br> | Polypropylene handle<br> | Elbow lever<br> | POP-UP handle<br> | Disability friendly handle<br> |
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## HEADWORK FOR WATER

### RUBBER HEADWORK

#### Specifications

Water fittings with rubber headwork offer quick and precise adjustment and a long service life.

Opening/closing function: 2 x 360° turn

Media: Hot/cold water, coolant water

Temperature range: Please refer to the individual fitting

Max. working pressure: 10 bar / 147 psi

#### Materials with media contact

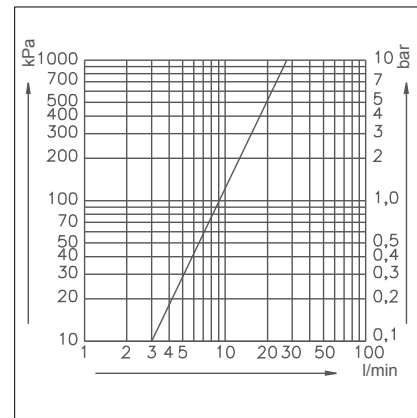
Metals: Brass

Sealing: EPDM

Lubricant: Silicone based

For further options contact **BROEN-LAB**

#### Flow chart



#### Configuration options

| Description        |                                                                                     | Item number           |                       |
|--------------------|-------------------------------------------------------------------------------------|-----------------------|-----------------------|
|                    |                                                                                     | Polypropylene handle  | Metal handle          |
| Set with           |  | 1915 0140 <b>10XX</b> | 1916 0149 <b>10XX</b> |
| • Handle           |                                                                                     |                       |                       |
| • Media indication |                                                                                     |                       |                       |
| Set with           |  | 2575 014 <b>10XX</b>  | 2575 015 <b>10XX</b>  |
| • Handle           |                                                                                     |                       |                       |
| • Media indication |                                                                                     |                       |                       |
| • Headwork         |                                                                                     |                       |                       |
| Headwork           |  | 19 77 000             |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description             |
|-----------|-----------------------------------|----------------------------------|-------------------------|
| <b>01</b> | WPC                               | CW                               | Potable water, cold     |
| <b>02</b> | WPH                               | HW                               | Potable water, hot      |
| <b>05</b> | WCF                               | CHWS                             | Coolant water, feed     |
| <b>06</b> | WCR                               | CHWR                             | Coolant water, return   |
| <b>07</b> | WNC                               |                                  | Non-potable water, cold |
| <b>08</b> | WNH                               |                                  | Non-potable water, hot  |

## HEADWORK FOR WATER

### CERAMIC HEADWORK

#### Specifications

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: Please refer to the individual fitting

Max. working pressure: 10 bar / 147 psi

Test pressure: 1 x working pressure

#### Materials with media contact

Metals: Brass

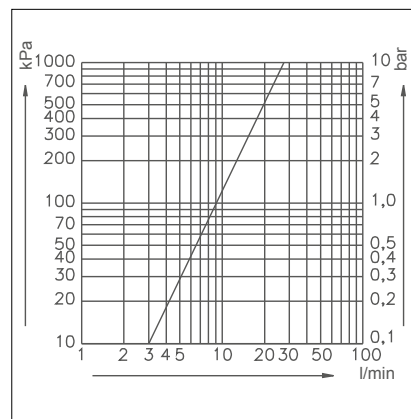
Sealing: EPDM

Plastics: POM

Lubricant: Silicone based

Ceramics: Al-oxyd 96%

#### Flow chart



For further options contact BROEN-LAB

*Note:* If the fitting/valve is delivered before 1996 then it has an M24 headwork and you need to order a new headwork with an M24-G1/2" adaptor:

19 850 009 - complete set with ceramic G1/2" headwork, M24-G1/2" adaptor, metal handle and media indication.

19 760 000 - set with ceramic G1/2" headwork and M24-G1/2" adaptor.

#### Configuration options

| Description                                              |                                                                                     | Item number           |                       |
|----------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|-----------------------|
|                                                          |                                                                                     | Polypropylene handle  | Metal handle          |
| Set with<br>• Handle<br>• Media indication               |  | 1915 0140 <b>10XX</b> | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork |  | 2575 016 <b>10XX</b>  | 2575 013 <b>10XX</b>  |
| Headwork                                                 |  | 19 76 000             |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description             |
|-----------|-----------------------------------|----------------------------------|-------------------------|
| <b>01</b> | WPC                               | CW                               | Potable water, cold     |
| <b>02</b> | WPH                               | HW                               | Potable water, hot      |
| <b>05</b> | WCF                               | CHWS                             | Coolant water, feed     |
| <b>06</b> | WCR                               | CHWR                             | Coolant water, return   |
| <b>07</b> | WNC                               |                                  | Non-potable water, cold |
| <b>08</b> | WNH                               |                                  | Non-potable water, hot  |

HEADWORK FOR WATER  
WRIST ACTION LEVER

Specifications

BROEN-LAB UniFlex™ water fittings with wrist action levers are delivered with ceramic headworks. This headwork is specially designed to fit BROEN-LAB wrist action lever.

Opening/closing function: 90° turn, left or right turn closing

Media: Hot/cold water

Temperature range: Please refer to the individual fitting

Max. working pressure: 10 bar / 147 psi

Test pressure: 1 x working pressure

For further information, please ask for Technical Information TI23 at your BROEN-LAB representative.

Materials with media contact

Metals: Brass

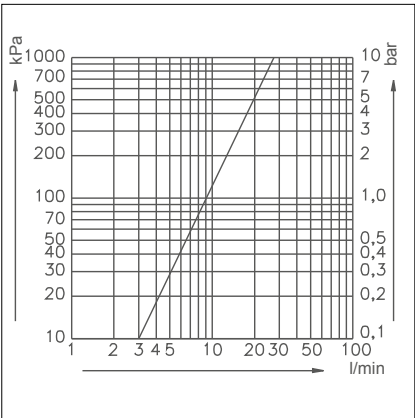
Sealing: EPDM, silicone

Plastics: POM

Lubricant: Silicone based

Ceramics: Al-oxyd 96%

Flow chart



For further options contact BROEN-LAB

Configuration options

|                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Left turn closing (WPC or WPH)</b></p> <p>Closed </p> <p>Open </p> <p>Page 6</p> <p><b>D</b></p> | <p><b>Right turn closing (WPC or WPH)</b></p> <p>Closed </p> <p>Open </p> <p>Page 6</p> <p><b>C</b></p> |
| <p><b>Left turn closing (WPC or WPH)</b></p> <p>Closed </p> <p>Open </p> <p>Page 7</p> <p><b>B</b></p> | <p><b>Right turn closing (WPC or WPH)</b></p> <p>Closed </p> <p>Open </p> <p>Page 7</p> <p><b>A</b></p> |

Right turn closing - the headwork/valve is closed by turning the handle clockwise

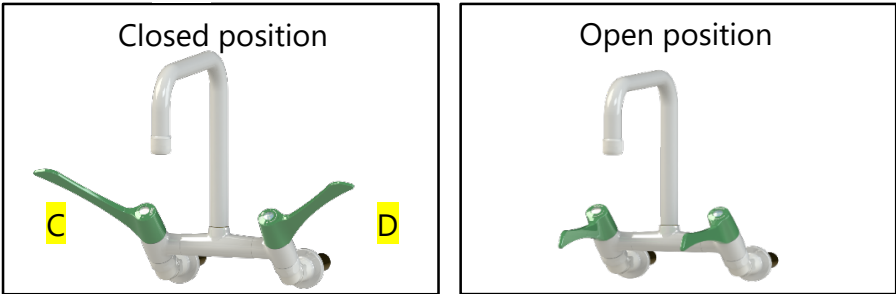
Left turn closing - the headwork/valve is closed by turning the handle counterclockwise

HEADWORK FOR WATER  
WRIST ACTION LEVER

Configuration options

| Left turn closing (WPC or WPH)                                                                                                                                                                                   | Right turn closing (WPC or WPH)                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Closed</div> <div>Open</div> <div>D</div> | <div>Closed</div> <div>Open</div> <div>C</div> |

Example:



Note: If the fitting/valve is delivered **before 1996** then it has an M24 headwork and you need to order a new headwork with a M24-G1/2" adapter, either **19 76 4000** left turn closing or **19 76 5000** right turn closing, **and** a new handle according to below:

Configuration options

| Description                                              |                                                                                     | Item number          |                      |
|----------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|----------------------|
|                                                          |                                                                                     | Left turn closing    | Right turn closing   |
| Set with<br>• Handle<br>• Media indication               |  | 2575 017 <b>10XX</b> | 2575 018 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork |  | 2575 011 <b>10XX</b> | 2575 012 <b>10XX</b> |
| Headwork                                                 |  | 19 76 400            | 19 76 500            |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

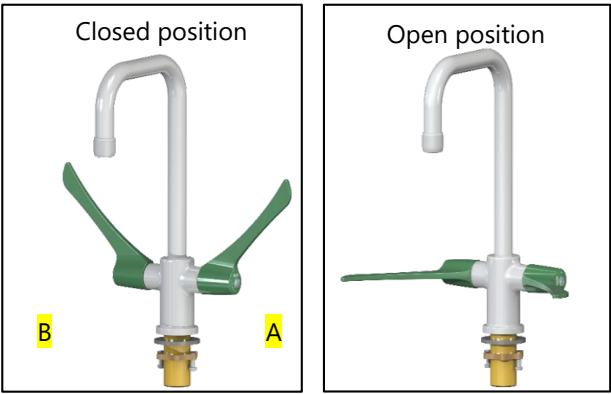
| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description             |
|-----------|-----------------------------------|----------------------------------|-------------------------|
| <b>01</b> | WPC                               | CW                               | Potable water, cold     |
| <b>02</b> | WPH                               | HW                               | Potable water, hot      |
| <b>07</b> | WNC                               |                                  | Non-potable water, cold |
| <b>08</b> | WNH                               |                                  | Non-potable water, hot  |

HEADWORK FOR WATER  
WRIST ACTION LEVER

Configuration options

| Left turn closing (WPC or WPH)                                                                                                                                                                                     | Right turn closing (WPC or WPH)                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Closed</div>  <div>Open</div>  <div>B</div> | <div>Closed</div>  <div>Open</div>  <div>A</div> |

Example:



Note: If the fitting/valve is delivered **before 1996** then it has an M24 headwork and you need to order a new headwork with a M24-G1/2" adapter, either **19 76 4000** left turn closing or **19 76 5000** right turn closing, **and** a new handle according to below:

Configuration options

| Description        |                                                                                     | Item number          |                      |
|--------------------|-------------------------------------------------------------------------------------|----------------------|----------------------|
|                    |                                                                                     | Left turn closing    | Right turn closing   |
| Set with           |  | 2575 019 <b>10XX</b> | 2575 020 <b>10XX</b> |
| • Handle           |                                                                                     |                      |                      |
| • Media indication |                                                                                     |                      |                      |
| Set with           |  | 2575 009 <b>10XX</b> | 2575 010 <b>10XX</b> |
| • Handle           |                                                                                     |                      |                      |
| • Media indication |                                                                                     |                      |                      |
| • Headwork         |                                                                                     |                      |                      |
| Headwork           |  | 19 76 400            | 19 76 500            |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description             |
|-----------|-----------------------------------|----------------------------------|-------------------------|
| <b>01</b> | WPC                               | CW                               | Potable water, cold     |
| <b>02</b> | WPH                               | HW                               | Potable water, hot      |
| <b>07</b> | WNC                               |                                  | Non-potable water, cold |
| <b>08</b> | WNH                               |                                  | Non-potable water, hot  |

## HEADWORK FOR SPECIAL WATER

### DIAPHRAGM HEADWORK

#### Specifications

Manual valve based on diaphragm headwork.

The diaphragm is the only part of the headwork that has media contact (no lubrication or other materials have media contact).

Opening/closing function: 1,5 x 360° turn

Media: Special water

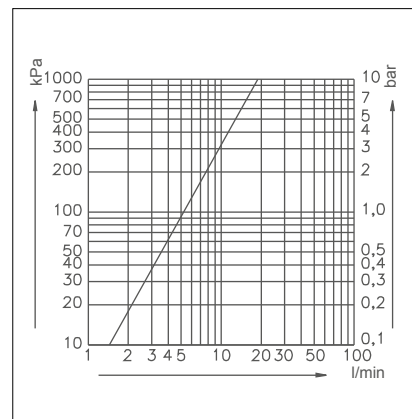
#### Materials with media contact

Metals: No metals in media contact, only PTFE diaphragm in headwork

Sealing: EPDM

For further options contact BROEN-LAB

#### Flow chart



#### Configuration options

| Description                                              |                                                                                     | Item number           |                       |
|----------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|-----------------------|
|                                                          |                                                                                     | Polypropylene handle  | Metal handle          |
| Set with<br>• Handle<br>• Media indication               |  | 1915 0140 <b>10XX</b> | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork |  | 2575 021 <b>10XX</b>  | 2575 022 <b>10XX</b>  |
| Elbow lever including headwork                           |  | 2575 078 <b>10XX</b>  |                       |
| Headwork                                                 |  | 19 152 480*           |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description          |
|-----------|-----------------------------------|----------------------------------|----------------------|
| <b>03</b> | WDI                               | DW                               | Distilled water      |
| <b>36</b> | WDC                               | DI                               | Dionised water, cold |

\*We recommend ordering the complete set with a headwork and handle (either 2575021 10xx or 2575022 10xx) as there were different construction improvements of the headwork and handle in the past.

Only fittings from the 25-series a separate headwork 19152480 can be ordered.

# HEADWORK FOR BURNING GASES

## NEEDLE HEADWORK

### Specifications

BROEN-LAB 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

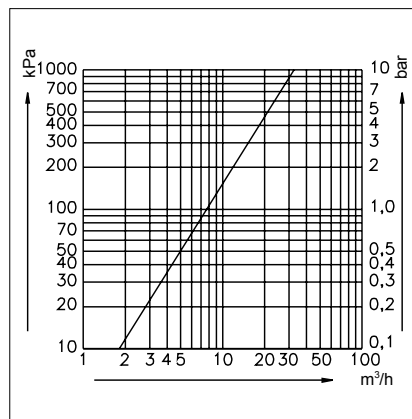
### Materials with media contact

Metals: Brass

Sealing: Nitrile (NBR)

Lubricant: Mineral oil based

### Flow chart



For further options contact BROEN-LAB

### Configuration options

| Description                                              | Item number                                      |                       |
|----------------------------------------------------------|--------------------------------------------------|-----------------------|
|                                                          | Polypropylene handle                             | Metal handle          |
| Set with<br>• Handle<br>• Media indication               | 1915 0140 <b>10XX</b>                            | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork | Not available as a spare part for safety reasons |                       |
| Headwork                                                 | Not available as a spare part for safety reasons |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:      | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description   |
|------------|-----------------------------------|----------------------------------|---------------|
| <b>09</b>  | G                                 | GAS                              | Natural gas   |
| <b>11</b>  | LPG                               |                                  | Liquefied gas |
| <b>13</b>  | C <sub>4</sub> H <sub>10</sub>    |                                  | Butane        |
| <b>15</b>  | C <sub>3</sub> H <sub>8</sub>     |                                  | Propane       |
| <b>17</b>  | C <sub>2</sub> H <sub>2</sub>     | ACET                             | Acetylene     |
| <b>19*</b> | H <sub>2</sub>                    | HYD                              | Hydrogen      |
| <b>45</b>  | C <sub>2</sub> H <sub>4</sub>     |                                  | Methane       |

\*Handle and media indication is **red**.

## HEADWORK FOR NON-BURNING 2.0 GASES

### NEEDLE HEADWORK

#### Specifications

BROEN-LAB UniFlex™ fittings for non-burning 2.0 gases are as a standard delivered with needle headwork for fine regulation of media flow.

Opening/closing function: 3 x 360° turn

Media: Non-burning 2.0 (99% clean) gases

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

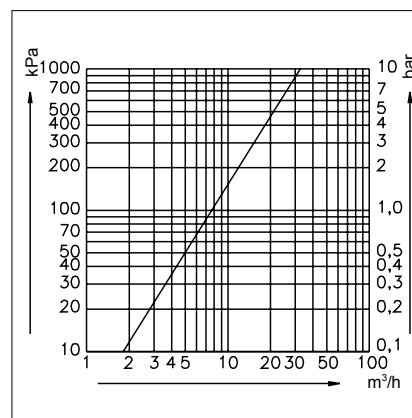
Metals: Brass

Plastics: PVDF

Sealing: FKM

Lubricant: Perfluoropolyether based

#### Flow chart



For further options contact BROEN-LAB

#### Configuration options

| Description                                              |                                                                                     | Item number           |                       |
|----------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|-----------------------|
|                                                          |                                                                                     | Polypropylene handle  | Metal handle          |
| Set with<br>• Handle<br>• Media indication               |  | 1915 0140 <b>10XX</b> | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork |  | 2575 023 <b>10XX</b>  | 2575 024 <b>10XX</b>  |
| Headwork                                                 |  | 02 55 7300            |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description    |
|-----------|-----------------------------------|----------------------------------|----------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen       |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide |
| <b>25</b> | Ar                                | AR                               | Argon          |
| <b>26</b> | He                                | HE                               | Helium         |
| <b>28</b> | V                                 | VAC                              | Vacuum         |

# HEADWORK FOR NON-BURNING 4.0 GASES

## NEEDLE HEADWORK

### Specifications

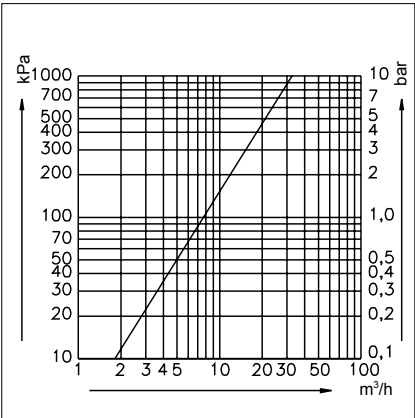
BROEN-LAB UniFlex™ fittings for non-burning 4.0 gases/oxygen are as a standard delivered with needle headwork for fine regulation of media flow.

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

### Materials with media contact

Metals: Brass  
Plastics: PVDF  
Sealing: FKM  
Lubricant: Perfluoropolyether based

### Flow chart



For further options contact **BROEN-LAB**

### Configuration options

| Description                                                                                                                    | Item number                                      |                       |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|
|                                                                                                                                | Polypropylene handle                             | Metal handle          |
| Set with<br>• Handle<br>• Media indication  | 1915 0140 <b>10XX</b>                            | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork                                                                       | Not available as a spare part for safety reasons |                       |
| Headwork                                                                                                                       | Not available as a spare part for safety reasons |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description         |
|-----------|-----------------------------------|----------------------------------|---------------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air      |
| <b>22</b> | O2                                | OXY                              | Oxygen              |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen            |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide      |
| <b>25</b> | Ar                                | AR                               | Argon               |
| <b>26</b> | He                                | HE                               | Helium              |
| <b>27</b> | N <sub>2</sub> O                  | N2O                              | Dinitrogen monoxide |
| <b>28</b> | V                                 | VAC                              | Vacuum              |

# HEADWORK FOR NON-BURNING 5.0 GASES

## NEEDLE HEADWORK

### Specifications

BROEN-LAB UniFlex™ fittings for non-burning 5.0 gases with needle headwork are suitable for fine regulation of media flow.

Opening/closing function: 3 x 360° turn

Media: Non-burning 5.0 (99.999% clean) gases

Max. working pressure: 21 bar / 305 psi

Allowable test pressure after installation:

1.5 x max. working pressure without function of the valve

### Materials with media contact

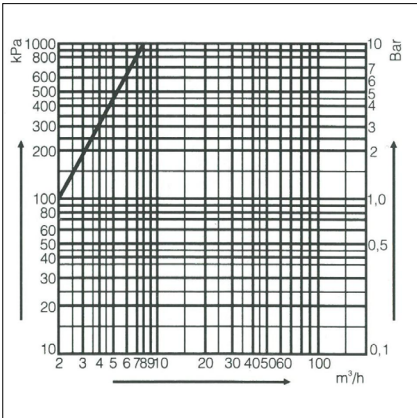
Metals: Brass

Plastics: PVDF

Sealing: FKM

Lubricant: Perfluoropolyether based

### Flow chart



For further options contact BROEN-LAB

### Configuration options

| Description                                                                                                                    | Item number                                      |                       |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|
|                                                                                                                                | Polypropylene handle                             | Metal handle          |
| Set with<br>• Handle<br>• Media indication  | 1915 0140 <b>10XX</b>                            | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork                                                                       | Not available as a spare part for safety reasons |                       |
| Headwork                                                                                                                       | Not available as a spare part for safety reasons |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description         |
|-----------|-----------------------------------|----------------------------------|---------------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air      |
| <b>22</b> | O2                                | OXY                              | Oxygen              |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen            |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide      |
| <b>25</b> | Ar                                | AR                               | Argon               |
| <b>26</b> | He                                | HE                               | Helium              |
| <b>27</b> | N <sub>2</sub> O                  | N2O                              | Dinitrogen monoxide |
| <b>28</b> | V                                 | VAC                              | Vacuum              |

## HEADWORK FOR NON-BURNING 6.0 GASES

### NEEDLE HEADWORK

#### Specifications

BROEN-LAB UniFlex™ fittings for non-burning 6.0 gases with needle headwork are suitable for fine regulation of media flow.

Opening/closing function: 1.5 x 360° turn

Media: Non-burning 6.0 (99.9999% clean) gases

Max. working pressure: 21 bar / 305 psi

Allowable test pressure after installation:

1.5 x max. working pressure without function of the valve

#### Materials with media contact

Metals: Brass, SS

Plastics: PVDF

Lubricant: Perfluoropolyether based

For further options contact BROEN-LAB

#### Configuration options

| Description                                                                                                                    | Item number                                      |                       |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|
|                                                                                                                                | Polypropylene handle                             | Metal handle          |
| Set with<br>• Handle<br>• Media indication  | 1915 0140 <b>10XX</b>                            | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork                                                                       | Not available as a spare part for safety reasons |                       |
| Headwork                                                                                                                       | Not available as a spare part for safety reasons |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description         |
|-----------|-----------------------------------|----------------------------------|---------------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air      |
| <b>22</b> | O2                                | OXY                              | Oxygen              |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen            |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide      |
| <b>25</b> | Ar                                | AR                               | Argon               |
| <b>26</b> | He                                | HE                               | Helium              |
| <b>27</b> | N <sub>2</sub> O                  | N2O                              | Dinitrogen monoxide |
| <b>28</b> | V                                 | VAC                              | Vacuum              |

## HEADWORK FOR NON-BURNING 2.0 GASES / VACUUM HIGH FLOW HEADWORK

### Specifications

BROEN-LAB UniFlex™ fittings for vacuum are as a standard delivered with a high flow headwork. This headwork ensures high flow of media and can also be used for other non-burning 2.0 gases.

Opening/closing function: 1.5 x 360° turn

Media: Vacuum and non-burning 2.0 (99% clean) gases

Working pressure: -1 to 16 bar / -14.5 to 232 psi

Allowable test pressure after installation:

1.5 x max. working pressure without function of the valve

### Materials with media contact

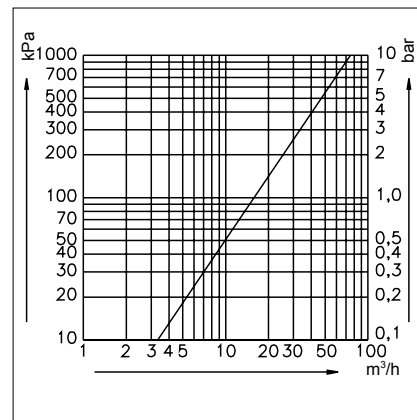
Metals: Brass

Plastics: PVDF

Sealing: FKM

Lubricant: Perfluoropolyether based

### Flow chart



For further options contact BROEN-LAB

### Configuration options

| Description        |  | Item number           |                       |
|--------------------|--|-----------------------|-----------------------|
|                    |  | Polypropylene handle  | Metal handle          |
| Set with           |  | 1915 0140 <b>10XX</b> | 1916 0149 <b>10XX</b> |
| • Handle           |  |                       |                       |
| • Media indication |  |                       |                       |
| Set with           |  | 2575 025 <b>10XX</b>  | 2575 026 <b>10XX</b>  |
| • Handle           |  |                       |                       |
| • Media indication |  |                       |                       |
| • Headwork         |  |                       |                       |
| Headwork           |  | 02 55 6300            |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description    |
|-----------|-----------------------------------|----------------------------------|----------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen       |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide |
| <b>25</b> | Ar                                | AR                               | Argon          |
| <b>26</b> | He                                | HE                               | Helium         |
| <b>28</b> | V                                 | VAC                              | Vacuum         |

## HEADWORK FOR NON-BURNING 5.0 GASES / VACUUM

### HIGH FLOW HEADWORK

#### Specifications

BROEN-LAB UniFlex™ fittings for 5.0 gases delivered with a stop / high flow headwork ensure high flow of media. Can also be used for vacuum.

Opening/closing function: 1.5 x 360° turn

Media: Non-burning 5.0 (99.999% clean) gases

Max. working pressure: 21 bar / 305 psi

Allowable test pressure after installation:

1.5 x max. working pressure without function of the valve

#### Materials with media contact

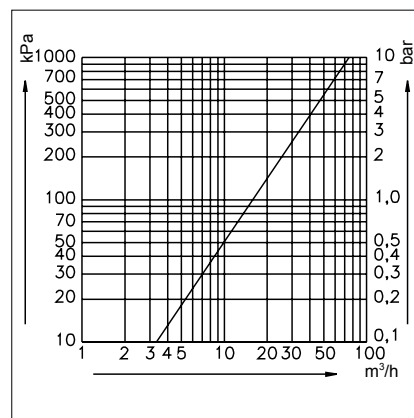
Metals: Brass

Plastics: PVDF

Sealing: FKM

Lubricant: Perfluoropolyether based

#### Flow chart



For further options contact BROEN-LAB

#### Configuration options

| Description        |                                                                                     | Item number                                      |                       |
|--------------------|-------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|
|                    |                                                                                     | Polypropylene handle                             | Metal handle          |
| Set with           |  |                                                  |                       |
| • Handle           |                                                                                     |                                                  |                       |
| • Media indication |                                                                                     | 1915 0140 <b>10XX</b>                            | 1916 0149 <b>10XX</b> |
| Set with           |                                                                                     | Not available as a spare part for safety reasons |                       |
| • Handle           |                                                                                     |                                                  |                       |
| • Media indication |                                                                                     |                                                  |                       |
| • Headwork         |                                                                                     |                                                  |                       |
| Headwork           |                                                                                     | Not available as a spare part for safety reasons |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description         |
|-----------|-----------------------------------|----------------------------------|---------------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air      |
| <b>22</b> | O2                                | OXY                              | Oxygen              |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen            |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide      |
| <b>25</b> | Ar                                | AR                               | Argon               |
| <b>26</b> | He                                | HE                               | Helium              |
| <b>27</b> | N <sub>2</sub> O                  | N2O                              | Dinitrogen monoxide |
| <b>28</b> | V                                 | VAC                              | Vacuum              |

## HEADWORK FOR NON-BURNING 6.0 GASES / VACUUM STOP / HIGH FLOW HEADWORK

### Specifications

BROEN-LAB UniFlex™ fittings for 6.0 gases delivered with a stop/high flow headwork ensure high flow of media. Can also be used for vacuum.

Opening/closing function: 1.5 x 360° turn

Media: Non-burning 6.0 (99.9999% clean) gases

Max. working pressure: 21 bar / 305 psi

Allowable test pressure after installation:

1.5 x max. working pressure without function of the valve

### Materials with media contact

Metals: Brass

Plastics: PVDF

Lubricant: Perfluoropolyether based

For further options contact BROEN-LAB

### Configuration options

| Description                                                                                                                    | Item number                                      |                       |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|
|                                                                                                                                | Polypropylene handle                             | Metal handle          |
| Set with<br>• Handle<br>• Media indication  | 1915 0140 <b>10XX</b>                            | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork                                                                       | Not available as a spare part for safety reasons |                       |
| Headwork                                                                                                                       | Not available as a spare part for safety reasons |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description         |
|-----------|-----------------------------------|----------------------------------|---------------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air      |
| <b>22</b> | O2                                | OXY                              | Oxygen              |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen            |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide      |
| <b>25</b> | Ar                                | AR                               | Argon               |
| <b>26</b> | He                                | HE                               | Helium              |
| <b>27</b> | N <sub>2</sub> O                  | N2O                              | Dinitrogen monoxide |
| <b>28</b> | V                                 | VAC                              | Vacuum              |

# HEADWORK FOR NON-BURNING 2.0, 4.0 AND 5.0 GASES

## MICRO FLOW HEADWORK

### Specifications

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

Opening/closing function: 7.5 x 360° turn

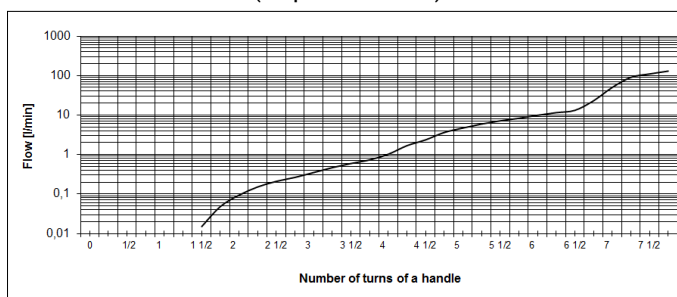
Media: Non-burning gases up to 5.0 quality

Max. working pressure: 16 bar / 232 psi

Allowable test pressure after installation:

1.5 x max. working pressure without function of the valve

**Flow characteristics of a micro flow headwork**  
(Compressed Air at 6 bar)



### Materials with media contact

Metals: Brass

Plastics: PVDF

Sealing: FKM

Lubricant: Perfluoropolyether based

**For further options contact BROEN-LAB**

### Configuration options

| Description                                              |                                                                                     | Item number                                                    |                                                                |
|----------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
|                                                          |                                                                                     | Polypropylene handle                                           | Metal handle                                                   |
| Set with<br>• Handle<br>• Media indication               |  | 1915 0140 <b>10XX</b>                                          | 1916 0149 <b>10XX</b>                                          |
| Set with<br>• Handle<br>• Media indication<br>• Headwork |  | 2575 027 <b>10XX</b><br>Only available as spare part up to 2.0 | 2575 028 <b>10XX</b><br>Only available as spare part up to 2.0 |
| Headwork                                                 |  | 19 15 4400<br>Only available as spare part up to 2.0           |                                                                |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description         |
|-----------|-----------------------------------|----------------------------------|---------------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air      |
| <b>22</b> | O2                                | OXY                              | Oxygen              |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen            |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide      |
| <b>25</b> | Ar                                | AR                               | Argon               |
| <b>26</b> | He                                | HE                               | Helium              |
| <b>27</b> | N <sub>2</sub> O                  | N2O                              | Dinitrogen monoxide |
| <b>28</b> | V                                 | VAC                              | Vacuum              |

# HEADWORK FOR BURNING GASES

## PRESS/TURN HEADWORK

### Specifications

BROEN-LAB UniFlex™ fittings for burning gases can be delivered with a safety press/turn headwork, which prevents from accidental opening of the valve.

Opening/closing function: 90° turn

Media: Burning gases

Max. working pressure: 7 bar / 102 psi

Allowable test pressure after installation:

1.5 x max. working pressure without function of the valve

### Materials with media contact

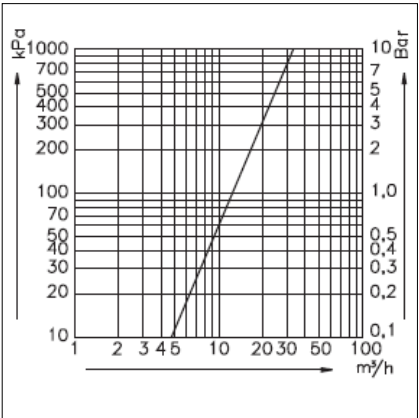
Metals: Brass

Sealing: Nitrile (NBR)

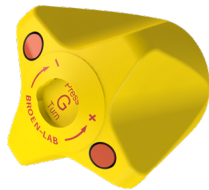
Lubricant: Mineral oil based

Ceramics: Al2O3 96%

### Flow chart



For further options contact BROEN-LAB



Press/Turn POP-UP handle



Press/Turn handle

### Configuration options

| Description                                              | Item number                                      |                       |
|----------------------------------------------------------|--------------------------------------------------|-----------------------|
|                                                          | Polypropylene handle                             | Metal handle          |
| Set with<br>• Handle<br>• Media indication               | 1915 0140 <b>10XX</b>                            | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork | Not available as a spare part for safety reasons |                       |
| Headwork                                                 | Not available as a spare part for safety reasons |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of the media types on the next page:

| Press/turn POP-UP | Press/turn | Country code <b>10</b> EN13792 | Country code <b>20</b> SEFA 7 | Description   |
|-------------------|------------|--------------------------------|-------------------------------|---------------|
| <b>10</b>         | <b>31</b>  | G                              | GAS                           | Natural gas   |
| <b>12</b>         | <b>32</b>  | LPG                            |                               | Liquefied gas |
| <b>14</b>         | <b>47</b>  | C <sub>4</sub> H <sub>10</sub> |                               | Butane        |
| <b>16</b>         | <b>48</b>  | C <sub>3</sub> H <sub>8</sub>  |                               | Propane       |
| <b>18</b>         | <b>49</b>  | C <sub>2</sub> H <sub>2</sub>  | ACET                          | Acetylene     |
| <b>20*</b>        | <b>34*</b> | H <sub>2</sub>                 | HYD                           | Hydrogen      |
| <b>46</b>         | <b>50</b>  | C <sub>2</sub> H <sub>4</sub>  |                               | Methane       |

\*Handle and media indication is **red**.

## HEADWORK FOR BURNING GASES

### 1/4 TURN HEADWORK

#### Specifications

BROEN-LAB UniFlex™ fittings for burning gases can be delivered with a 1/4 turn headwork, which is based on the ball-valve principle and has metal against metal in fully open or closed position.

Opening/closing function: 90° turn

Media: Burning gases

Max. working pressure: 7 bar / 102 psi

Allowable test pressure after installation:

1.5 x max. working pressure without function of the valve

#### Materials with media contact

Metals: Brass

Sealing: Nitrile (NBR)

Lubricant: Mineral oil based

**For further options contact BROEN-LAB**

#### Configuration options

| Description                                                                                                                    | Item number                                      |                       |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|
|                                                                                                                                | Polypropylene handle                             | Metal handle          |
| Set with<br>• Handle<br>• Media indication  | 1915 0140 <b>10XX</b>                            | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork                                                                       | Not available as a spare part for safety reasons |                       |
| Headwork                                                                                                                       | Not available as a spare part for safety reasons |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:      | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description   |
|------------|-----------------------------------|----------------------------------|---------------|
| <b>09</b>  | G                                 | GAS                              | Natural gas   |
| <b>11</b>  | LPG                               |                                  | Liquefied gas |
| <b>13</b>  | C <sub>4</sub> H <sub>10</sub>    |                                  | Butane        |
| <b>15</b>  | C <sub>3</sub> H <sub>8</sub>     |                                  | Propane       |
| <b>17</b>  | C <sub>2</sub> H <sub>2</sub>     | ACET                             | Acetylene     |
| <b>19*</b> | H <sub>2</sub>                    | HYD                              | Hydrogen      |
| <b>45</b>  | C <sub>2</sub> H <sub>4</sub>     |                                  | Methane       |

\*Handle and media indication is **red**.

## HEADWORK FOR NON-BURNING 2.0 GASES / VACUUM

### 1/4 TURN HEADWORK

#### Specifications

BROEN-LAB UniFlex™ fittings for non-burning gases can be delivered with a 1/4 turn headwork, which is based on the ball-valve principle and has metal against metal in fully open or closed position.

Opening/closing function: 90° turn

Media: Non-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

#### Materials with media contact

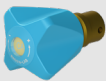
Metals: Brass

Sealing: FKM

Lubricant: Perfluoropolyether oil based

**For further options contact BROEN-LAB**

#### Configuration options

| Description                                              |                                                                                     | Item number           |                       |
|----------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|-----------------------|
|                                                          |                                                                                     | Polypropylene handle  | Metal handle          |
| Set with<br>• Handle<br>• Media indication               |  | 1915 0140 <b>10XX</b> | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork |  | 2575 029 <b>10XX</b>  | 2575 030 <b>10XX</b>  |
| Headwork                                                 |  | 15 30 482             |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description    |
|-----------|-----------------------------------|----------------------------------|----------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen       |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide |
| <b>25</b> | Ar                                | AR                               | Argon          |
| <b>26</b> | He                                | HE                               | Helium         |
| <b>28</b> | V                                 | VAC                              | Vacuum         |

## HEADWORK FOR NON-BURNING 4.0

### 1/4 TURN HEADWORK

#### Specifications

BROEN-LAB UniFlex™ fittings for 4.0 gases can be delivered with a 1/4 turn headwork, which is based on the ballvalve principle and has metal against metal in fully open or closed position.

Opening/closing function: 90° turn

Media: Non-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

#### Materials with media contact

Metals: Brass

Sealing: FKM

Lubricant: Perfluoropolyether oil based

For further options contact BROEN-LAB

#### Configuration options

| Description                                              |                                                                                     | Item number                                      |                       |
|----------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|
|                                                          |                                                                                     | Polypropylene handle                             | Metal handle          |
| Set with<br>• Handle<br>• Media indication               |  | 1915 0140 <b>10XX</b>                            | 1916 0149 <b>10XX</b> |
| Set with<br>• Handle<br>• Media indication<br>• Headwork |                                                                                     | Not available as a spare part for safety reasons |                       |
| Headwork                                                 |  | Not available as a spare part for safety reasons |                       |

Replace country code **10** (EN13792-norm) with **20** for SEFA 7 media indication.

Replaxe **XX** with one of these media types:

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description         |
|-----------|-----------------------------------|----------------------------------|---------------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air      |
| <b>22</b> | O2                                | OXY                              | Oxygen              |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen            |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide      |
| <b>25</b> | Ar                                | AR                               | Argon               |
| <b>26</b> | He                                | HE                               | Helium              |
| <b>27</b> | N <sub>2</sub> O                  | N2O                              | Dinitrogen monoxide |
| <b>28</b> | V                                 | VAC                              | Vacuum              |

# HEADWORK FOR BURNING GASES

## LIFT/TURN HEADWORK

### Specifications

Valves for burning gases with Lift/Turn safety handles. The valves are based on a BALLOFIX® ball valve. Opening/closing function 90° Lift/Turn.

Opening/closing function: 90° Lift/Turn

Media: Burning gases can be used for natural (G), liquefied petrol (LPG), town and low-pressure bottle gases as well as vacuum, compressed air and nitrogen.

Max. working pressure: 7 bar/102 psi

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

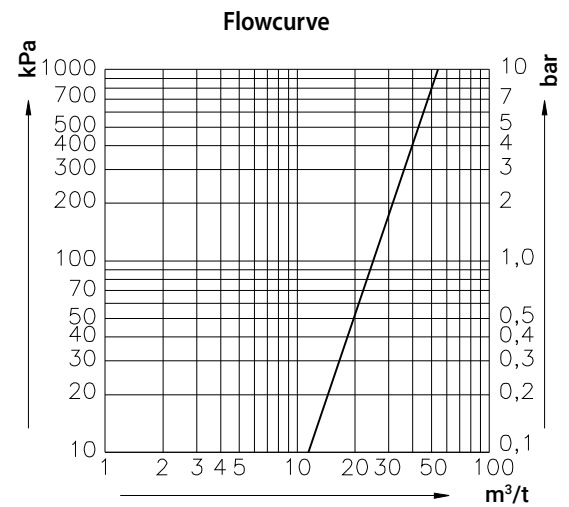
### Materials with media contact

Metals: Brass, nickel plated brass

Sealing: Nitrile (NBR); POM

Lubricant: Mineral oil-based

For further options contact BROEN-LAB



| Configuration options                                                                                           | Standard handle                                  | ADA handle           |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------|
| Set with <ul style="list-style-type: none"><li>• Handle</li><li>• Media indication</li></ul>                    | 0139628 <b>10XX</b>                              | 05317259 <b>10XX</b> |
| Set with <ul style="list-style-type: none"><li>• Handle</li><li>• Media indication</li><li>• Headwork</li></ul> | Not available as a spare part for safety reasons |                      |

For BROEN-LAB lift/turn handle with “dots” spare parts are no longer available.



# DISABILITY FRIENDLY HANDLES

## Specifications

BROEN-LAB UniFlex™ fittings for can be delivered with a disability friendly handle (ADA), when using a 90° turn headwork.

BROEN-LAB UniFlex™ fittings with ADA option complies with the 2010 ADA Standard. All handles can be operated with one hand and do not require tight grasping, pinching or twisting of the wrist. The force required to activate the handle does not exceed 5 pounds (22.2 N).

- Media:   Water: (Ceramic 90°)  
          Special water: (Diaphram 1 1/2 turn headwork)  
          Burning gases and non-burning gases, 2.0, 4.0 and 5.0: (1/4 turn headwork)

For further options contact BROEN-LAB

## Configuration options

ADA handles (headworks are to be ordered seperately)

|               | Closed position | Open position |
|---------------|-----------------|---------------|
| 2575 050 10XX |                 |               |
| 2575 051 10XX |                 |               |
| 2575 033 10XX |                 |               |
| 2575 034 10XX |                 |               |

Replace country code 10 (EN13792-norm) with 20 for SEFA 7 media indication.  
Replaxe XX with one of the media types on the next page:

## DISABILITY FRIENDLY HANDLES

### Water

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description             |
|-----------|-----------------------------------|----------------------------------|-------------------------|
| <b>01</b> | WPC                               | CW                               | Potable water, cold     |
| <b>02</b> | WPH                               | HW                               | Potable water, hot      |
| <b>05</b> | WCF                               | CHWS                             | Coolant water, feed     |
| <b>06</b> | WCR                               | CHWR                             | Coolant water, return   |
| <b>07</b> | WNC                               |                                  | Non-potable water, cold |
| <b>08</b> | WNH                               |                                  | Non-potable water, hot  |

### Special Water

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description          |
|-----------|-----------------------------------|----------------------------------|----------------------|
| <b>03</b> | WDI                               | DW                               | Distilled water      |
| <b>36</b> | WDC                               | DI                               | Dionised water, cold |

### Burning gas

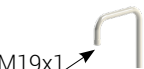
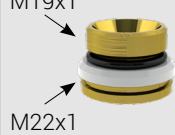
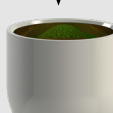
| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description   |
|-----------|-----------------------------------|----------------------------------|---------------|
| <b>09</b> | G                                 | GAS                              | Natural gas   |
| <b>11</b> | LPG                               |                                  | Liquefied gas |
| <b>13</b> | C <sub>4</sub> H <sub>10</sub>    |                                  | Butane        |
| <b>15</b> | C <sub>3</sub> H <sub>8</sub>     |                                  | Propane       |
| <b>17</b> | C <sub>2</sub> H <sub>2</sub>     | ACET                             | Acetylene     |
| <b>19</b> | H <sub>2</sub>                    | HYD                              | Hydrogen      |
| <b>45</b> | C <sub>2</sub> H <sub>4</sub>     |                                  | Methane       |

### Non-Burning gas

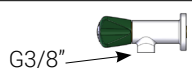
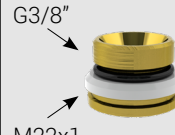
| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description         |
|-----------|-----------------------------------|----------------------------------|---------------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air      |
| <b>22</b> | O2                                | OXY                              | Oxygen              |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen            |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide      |
| <b>25</b> | Ar                                | AR                               | Argon               |
| <b>26</b> | He                                | HE                               | Helium              |
| <b>27</b> | N <sub>2</sub> O                  | N2O                              | Dinitrogen monoxide |
| <b>28</b> | V                                 | VAC                              | Vacuum              |

## OTHER SPARE PARTS

### M19x1 - Nozzles and aerators for spouts

|  M19x1 | Removable nozzle<br>Polypropylene                                                                   | Fixed nozzle<br>Polypropylene                                                              | Aerator                                                                                             | Removable nozzle<br>metal                                                                             | Fixed nozzle<br>metal                                                                        |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Adaptor                                                                                 | <br>M19x1<br>G1/2" | No adaptor needed                                                                          | <br>M19x1<br>M22x1 | <br>M19x1<br>G1/2" | No adaptor needed                                                                            |
|                                                                                         | 2539 003 1001                                                                                       |                                                                                            | 2539 005 1001                                                                                       | 2539 007 1001                                                                                         |                                                                                              |
| Nozzle/Aerator                                                                          | <br>G1/2"          | <br>M19x1 | <br>M22            | <br>G1/2"          | <br>M19x1 |
|                                                                                         | 2539 004 1001                                                                                       | 2539 010 1001                                                                              | 2539 006 1001                                                                                       | 2539 008 1001                                                                                         | 2539 009 1001                                                                                |

### G3/8" - Nozzles and aerators for valves and outlets

|  G3/8" | Removable nozzle<br>Polypropylene                                                                     | Fixed nozzle<br>Polypropylene                                                                | Aerator                                                                                               | Removable nozzle<br>metal                                                                               | Fixed nozzle<br>metal                                                                          |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Adaptor                                                                                   | <br>G3/8"<br>G1/2" | No adaptor needed                                                                            | <br>G3/8"<br>M22x1 | <br>G3/8"<br>G1/2" | No adaptor needed                                                                              |
|                                                                                           | 2539 048 1001                                                                                         |                                                                                              | 2539 064 1001                                                                                         | 2539 043 1001                                                                                           |                                                                                                |
| Nozzle/Aerator                                                                            | <br>G1/2"          | <br>G3/8" | <br>M22            | <br>G1/2"          | <br>G3/8" |
|                                                                                           | 2539 004 1001                                                                                         | Water:<br>2539 040 1001<br><br>Technical Gas 2.0:<br>2539 040 1021                           | 2539 006 1001<br><br>Aerator with integrated flow restrictor 5 l/min:<br>2539 045 1001                | 2539 008 1001                                                                                           | 2539 042 1001                                                                                  |

## OTHER SPARE PARTS

### Mounting set

| Illustration                                                                      | Description:                                                            | BROEN-LAB item no.                  |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------|
|  | Mounting set for G1/2 connection<br>Mounting set for M30x1,5 connection | 19 141 000<br>19 190 000            |
|  | Threaded inlet pipe M30x1,5<br>L=30mm<br>L=60mm<br>L=90mm               | 19 190 03<br>19 190 02<br>19 190 04 |

### O-rings

| Illustration                                                                        | Description:                                         | BROEN-LAB item no. |
|-------------------------------------------------------------------------------------|------------------------------------------------------|--------------------|
|    | Support and o-rings for swivel spout                 | 15 304 490         |
|    | O-rings for 18 mm spouts<br>Produced from 2003-2014  | 09 701 61          |
|  | O-rings for 19 mm spouts<br>Produced from 19XX -2003 | 09 701 63          |

### Cartridge

| Illustration                                                                        | Description:                                                         | BROEN-LAB item no. |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------|
|  | Cartridge for flow and temperature<br>Front Control Valve            | 15 304 46          |
|  | Cartridge for 2 step opening<br>Front Control Valve                  | 15 304 47          |
|  | Cartridge for flow and temperature<br>limitation<br>One handle mixer | 15 304 500         |

### Flashback arrester

| Illustration                                                                        | Description:                                                                                     | BROEN-LAB item no. |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------|
|  | Flash back arrester (inlet: 1/4" NPT -<br>outlet: 1/4" NPT female)<br>(To be used for Acetylene) | 96T1006            |

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## MEDIA OVERVIEW

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### Water

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description             |
|-----------|-----------------------------------|----------------------------------|-------------------------|
| <b>01</b> | WPC                               | CW                               | Potable water, cold     |
| <b>02</b> | WPH                               | HW                               | Potable water, hot      |
| <b>05</b> | WCF                               | CHWS                             | Coolant water, feed     |
| <b>06</b> | WCR                               | CHWR                             | Coolant water, return   |
| <b>07</b> | WNC                               |                                  | Non-potable water, cold |
| <b>08</b> | WNH                               |                                  | Non-potable water, hot  |

### Water (Elbow lever)

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description             |
|-----------|-----------------------------------|----------------------------------|-------------------------|
| <b>01</b> | WPC                               | CW                               | Potable water, cold     |
| <b>02</b> | WPH                               | HW                               | Potable water, hot      |
| <b>07</b> | WNC                               |                                  | Non-potable water, cold |
| <b>08</b> | WNH                               |                                  | Non-potable water, hot  |

### Special Water

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description          |
|-----------|-----------------------------------|----------------------------------|----------------------|
| <b>03</b> | WDI                               | DW                               | Distilled water      |
| <b>36</b> | WDC                               | DI                               | Dionised water, cold |

### Burning gas

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description   |
|-----------|-----------------------------------|----------------------------------|---------------|
| <b>09</b> | G                                 | GAS                              | Natural gas   |
| <b>11</b> | LPG                               |                                  | Liquefied gas |
| <b>13</b> | C <sub>4</sub> H <sub>10</sub>    |                                  | Butane        |
| <b>15</b> | C <sub>3</sub> H <sub>8</sub>     |                                  | Propane       |
| <b>17</b> | C <sub>2</sub> H <sub>2</sub>     | ACET                             | Acetylene     |
| <b>19</b> | H <sub>2</sub>                    | HYD                              | Hydrogen      |
| <b>45</b> | C <sub>2</sub> H <sub>4</sub>     |                                  | Methane       |

## MEDIA OVERVIEW

### Burning gas - Press/turn - POP-UP

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description   |
|-----------|-----------------------------------|----------------------------------|---------------|
| <b>10</b> | G                                 | GAS                              | Natural gas   |
| <b>12</b> | LPG                               |                                  | Liquefied gas |
| <b>14</b> | C <sub>4</sub> H <sub>10</sub>    |                                  | Butane        |
| <b>16</b> | C <sub>3</sub> H <sub>8</sub>     |                                  | Propane       |
| <b>18</b> | C <sub>2</sub> H <sub>2</sub>     | ACET                             | Acetylene     |
| <b>20</b> | H <sub>2</sub>                    | HYD                              | Hydrogen      |
| <b>46</b> | C <sub>2</sub> H <sub>4</sub>     |                                  | Methane       |

### Burning gas - Press/turn

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description   |
|-----------|-----------------------------------|----------------------------------|---------------|
| <b>31</b> | G                                 |                                  | Natural gas   |
| <b>32</b> | LPG                               |                                  | Liquefied gas |
| <b>47</b> | C <sub>4</sub> H <sub>10</sub>    |                                  | Butane        |
| <b>48</b> | C <sub>3</sub> H <sub>8</sub>     |                                  | Propane       |
| <b>49</b> | C <sub>2</sub> H <sub>2</sub>     |                                  | Acetylene     |
| <b>50</b> | C <sub>2</sub> H <sub>4</sub>     |                                  | Methane       |

### Non-Burning gas 2.0

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description    |
|-----------|-----------------------------------|----------------------------------|----------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen       |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide |
| <b>25</b> | Ar                                | AR                               | Argon          |
| <b>26</b> | He                                | HE                               | Helium         |
| <b>28</b> | V                                 | VAC                              | Vacuum         |

### Non-Burning gas 4.0, 5.0 and 6.0

| Code:     | Country code <b>10</b><br>EN13792 | Country code <b>20</b><br>SEFA 7 | Description         |
|-----------|-----------------------------------|----------------------------------|---------------------|
| <b>21</b> | CA                                | AIR                              | Compressed Air      |
| <b>22</b> | O <sub>2</sub>                    | OXY                              | Oxygen              |
| <b>23</b> | N <sub>2</sub>                    | NIT                              | Nitrogen            |
| <b>24</b> | CO <sub>2</sub>                   | CO2                              | Carbon Dioxide      |
| <b>25</b> | Ar                                | AR                               | Argon               |
| <b>26</b> | He                                | HE                               | Helium              |
| <b>27</b> | N <sub>2</sub> O                  | N2O                              | Dinitrogen monoxide |
| <b>28</b> | V                                 | VAC                              | Vacuum              |

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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 offers solutions that ensure the functionality, compliance, hygiene, durability and safety are of the highest priority. For more than 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



### **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 9001:2015. This certification will further contribute to reputation for quality and reliability of BROEN-LAB A/S.

### **BROEN-LAB A/S ISO 14001:2015 certification**

In December 2022 we got certified according to ISO 14001 in Environmental certification. The new certification was carried out by Bureau Veritas, Denmark, for Danish site in Assens.

The Environment ISO14001 management system of BROEN-LAB A/S is included in internationally acknowledged EN ISO 9001:2015. Both certifications furthermore contribute to reputation for quality and reliability of BROEN-LAB A/S.