

## Technical Information – TI6 – LAB

### Installation, Maintenance and Operation

#### Burning gas



#### Product Information:

Media: Burning gases

Pressure range: 0-7 bar (Attention; Check for local regulation)

#### Mounting:

- Changes or modifications not to be made without approval from BROEN-LAB
- Unauthorized or improper usage can cause danger to the user and other persons and cause equipment damage.
- The equipment can only be used for burning gases.
- Consult the data sheet. Pay special attention to pressure and temperature range.
- Do not apply shock, vibration or other physical stresses to the equipment which can damage it.

## Installation:

### BROEN-LAB UniFlex compression fittings:

Please follow the guidelines and regulations in your country regarding the use of compression fittings.

For installation of BROEN-LAB UniFlex compression fittings please read BROEN-LAB installation manual 94G0140:



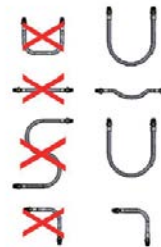
### BROEN UniFlex hoses:

Please follow the guidelines and regulations in your country, if this does not exist BROEN-LAB recommend following guidelines for burning gas hoses.

1. No joints are allowed on the hose between the supply and the fitting.
2. The hose shall be accessible for inspection in full length.

The hose shall be installed / placed so there are no possibilities for cuts and mechanical or heat damage. BROEN-LAB Installations rules 99G0013 is also to be used.

#### INSTALLATION INSTRUCTIONS FOR BROEN-LAB UniFlex™ FLEXIBLE HOSES AND PIPES



DK: Slangen/fleksibelt rør skal have en blød bue  
 UK: The hose/flexible pipe must have a soft bend  
 D: Der Schlauch/flexible Verbindungsteilung muss eine weiche Kurve haben

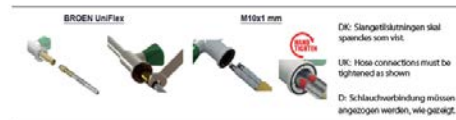
DK: For information omkring tryk, temperatur og bukeradius, se 99G005  
 UK: For information about pressure, temperature and bending radius, see 99G005  
 D: Informationen zu Druck, Temperatur und Biegeradius finden Sie unter 99G005

DK: Slangen/fleksibelt rør må ikke strækkes helt ud  
 UK: The hose/flexible pipe may not be stretched completely  
 D: Der Schlauch/flexible Rohr darf nicht ganz ausgestreckt werden

DK: Slangen/fleksibelt rør må ikke få et S-formet bøj  
 UK: The hose/flexible pipe may not get a S-shaped bend  
 D: Der Schlauch/flexible Rohr darf nicht wie ein S gebogen werden

DK: Installatøren er ansvarlig for at overholde gældende love og standarder  
 UK: The installer is responsible for complying with laws and standards  
 D: Der Installateur ist dafür verantwortlich, dass geltende Gesetze und Normen eingehalten werden.

DK: Undgå at vende slangen/fleksibelt rør  
 UK: Avoid turning of the hose/flexible pipe  
 D: Vermeiden Sie den Schlauch/flexible Rohr zu verdrehen



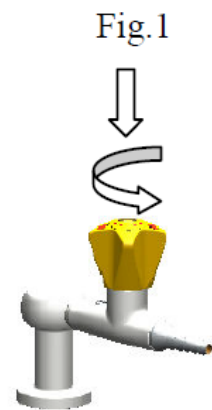
DK: Slangforbindningen skal spændes som vist.  
 UK: Hose connections must be tightened as shown  
 D: Schlauchverbindung müssen angezogen werden, wie gezeigt.

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## Operation instruction:

### Press/turn headwork and handle:

To open valves with press/turn handle, press down the yellow handle and turn it counter clock wise up to 90°. See fig 1.



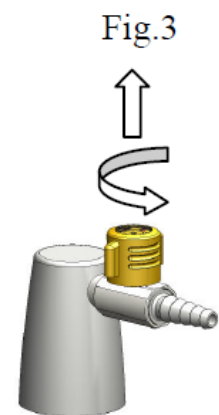
### Needle flow headwork and handle:

To open valves with needle flow headwork, turn the handle counter clock wise up to 3x360°. See fig 2.



### Lift/turn valve and handle:

To open valves with lift/turn handle, pull up the yellow handle and turn it counter clock wise up to 90°. See fig 3.



### Quick coupling with detachable hose nozzle:

To detach the nozzle on valves with quick coupling first pull the sleeve on the coupling back, then pull the nozzle out. See fig 4.

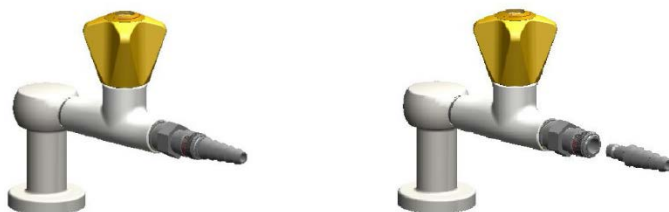


Fig.4

## Shut off Ballofix ball valve on BROEN Premium fittings:

To close the build in ball valve on Premium fittings, use hex 3mm Allen key and turn it 90°. See fig. 5.

Fig.5



## Service and maintenance:

### Fittings:

All parts in BROEN-LAB UniFlex burning gas fittings are fixed for security reasons and can therefore not be serviced.

By failure on the fitting is replacement the only option.

## Cleaning:

Cleaning of the fittings can be done with a soft, clean, damp, cloth and a mild liquid detergent. Do not use abrasive cleaners, powders, scouring pads, or steel wool, which will damage the finish.