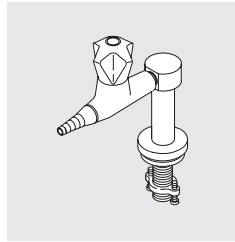
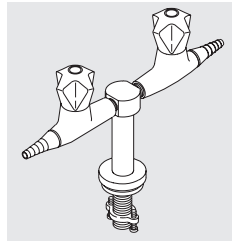


## BOSS fittings for oxygen & non-burning 4.0 gases

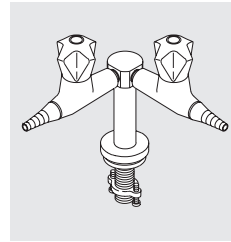
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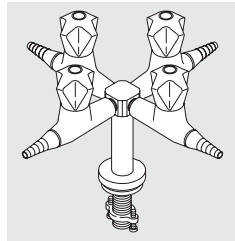
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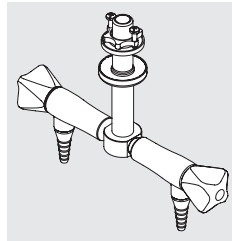
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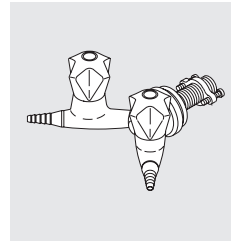
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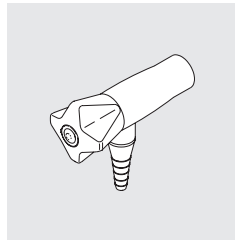
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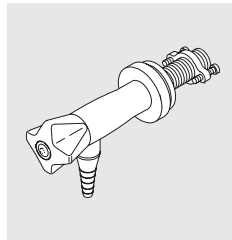
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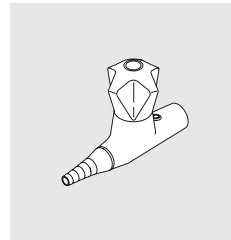
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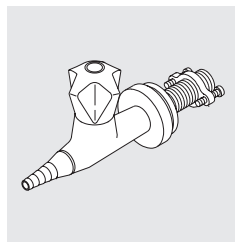
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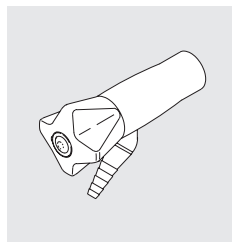
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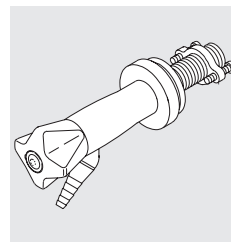
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08-11



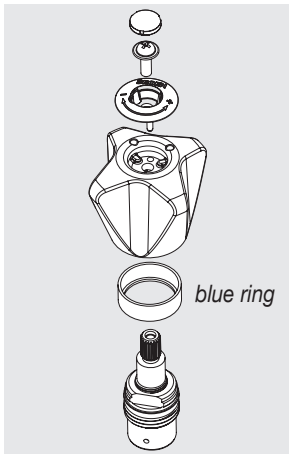
08-12



08-13

## BOSS fittings for oxygen & non-burning 4.0 gases

### - headwork



BOSS needle service valves for oxygen and technical gases are delivered with needle head work based on a rising spindle with a PVDF sealing and a brass seat.

Opening/closing function  
3 x 360° turn.

#### Materials with medium contact:

Metals	Brass and nickel
Sealing	*Viton®
Plastics	PVDF
Lubricant	Approved for oxygen

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He

Maximum working pressure: 10 bar/147 psi.

**Every dry service valve is leak tested before leaving our factory.**

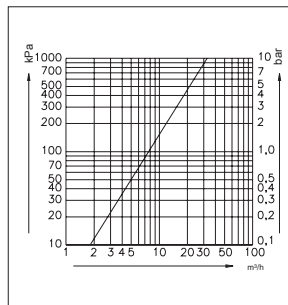
**Allowable pressure test after installation:  
1.5 x max. working pressure without function of the valve.**

Test medium: Atmospheric air.

Leak rate less than: 10<sup>-3</sup> mbarl/s.

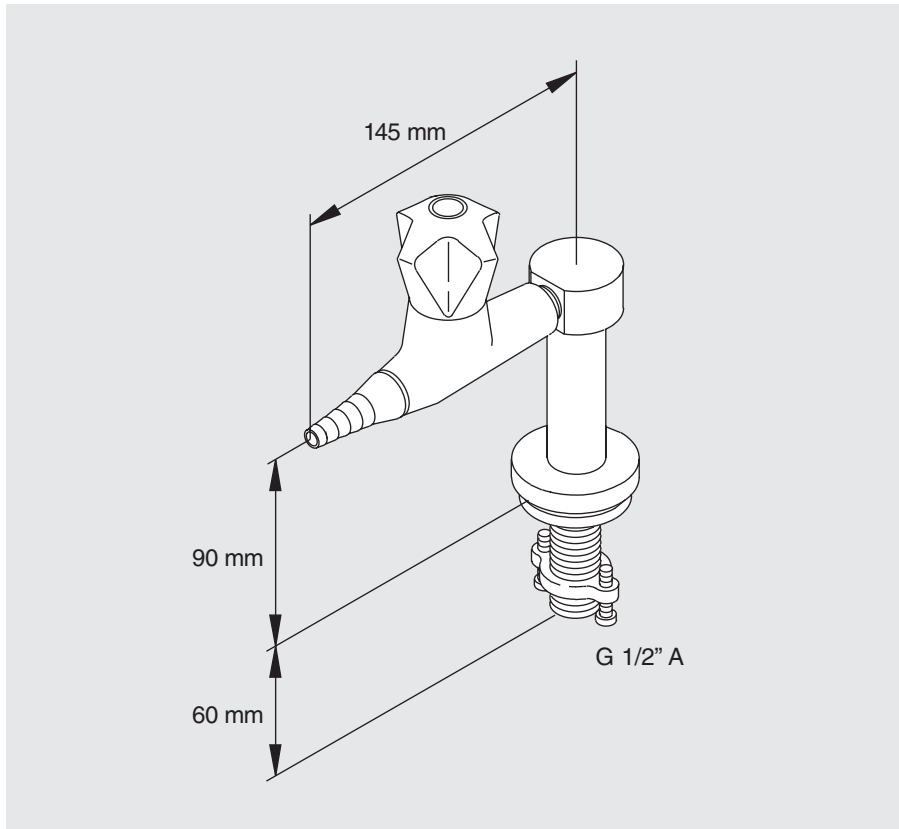
Spare parts see section 13.

#### Flow chart



## BOSS fittings for oxygen & non-burning 4.0 gases

### - bench mounted 1-valve fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

#### 15 055.009; Oxygen/ technical 4.0 gases

Bench mounted fitting for dry services with 1 valve. Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

Delivered with mounting accessories.

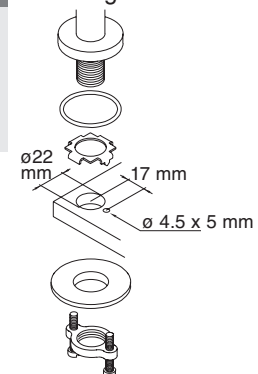
#### Materials with medium contact:

Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 1.2 kg

Maximum working pressure:  
10 bar/147 psi.

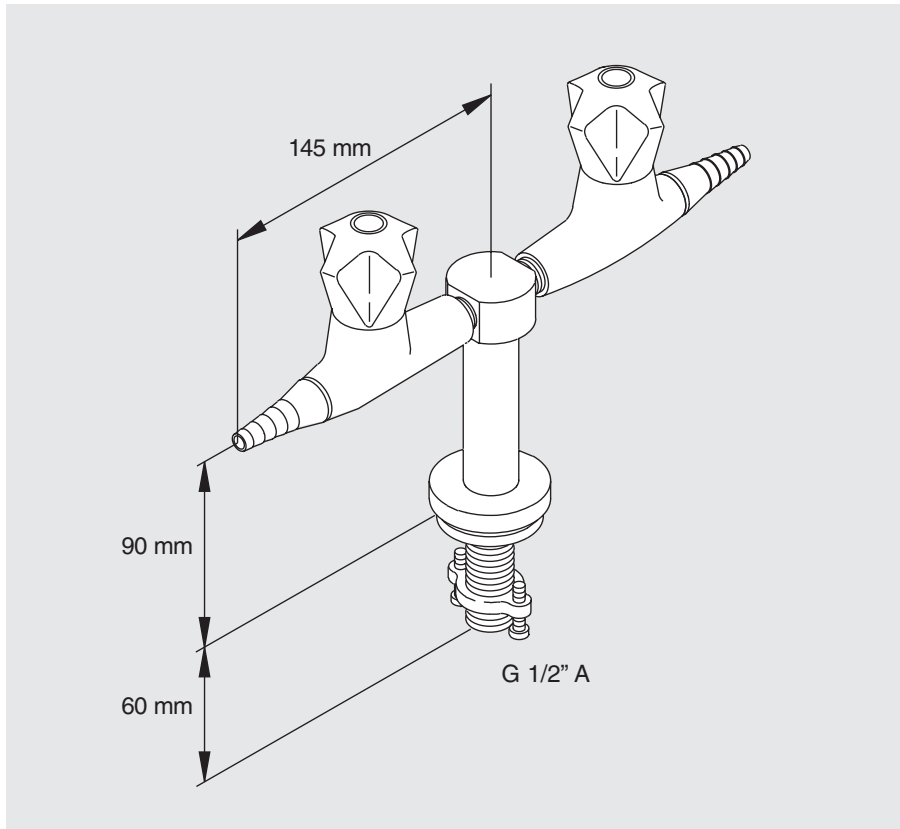
#### Mounting information:



Drill  $\varnothing$  22 mm for the inlet.  
Drill  $\varnothing$  4.5 mm for the locking ring at a distance of 17 mm from the center of the  $\varnothing$  22 mm hole.  
The  $\varnothing$  4.5 mm hole must be at least 5 mm deep.

## BOSS fittings for oxygen & non-burning 4.0 gases

### - bench mounted 2-valve fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

#### 15 051.009; Oxygen/ technical 4.0 gases

Bench mounted fitting for dry services with 2 valves (180°). Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

Delivered with mounting accessories.

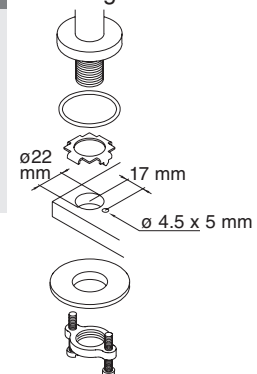
#### Materials with medium contact:

Metals:	Brass and nickel
	Vacuum only: Stainless steel seat
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 1.8kg

Maximum working pressure:  
10 bar/147 psi.

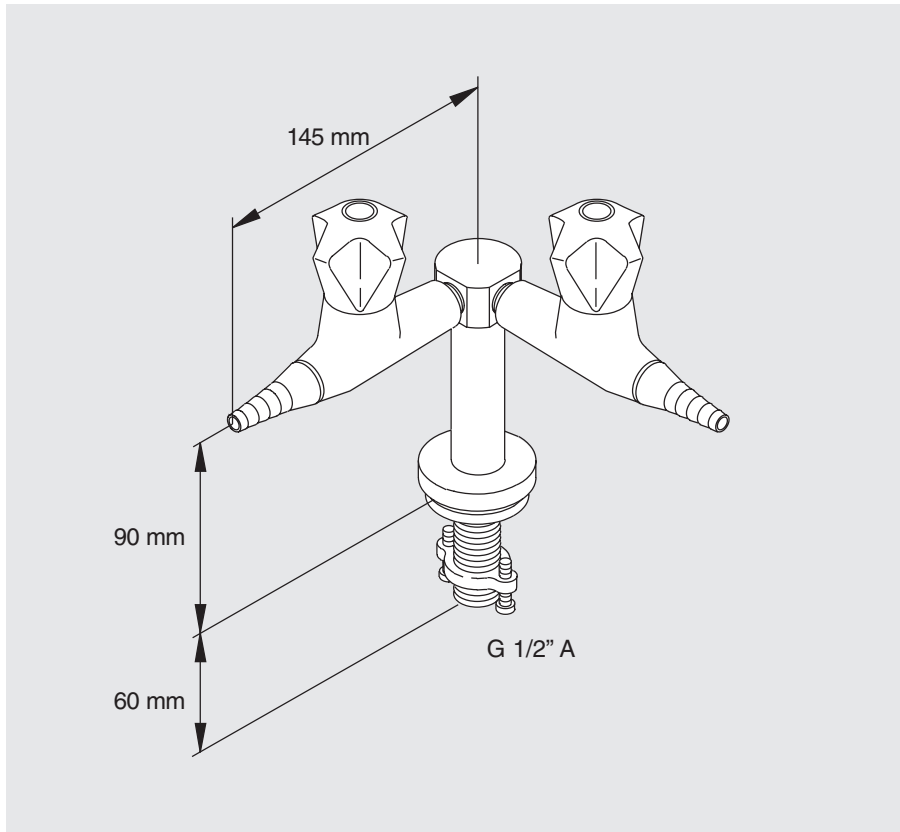
#### Mounting information:



Drill  $\varnothing$  22 mm for the inlet.  
Drill  $\varnothing$  4.5 mm for the locking ring at a distance of 17 mm from the center of the  $\varnothing$  22 mm hole.  
The  $\varnothing$  4.5 mm hole must be at least 5 mm deep.

## BOSS fittings for oxygen & non-burning 4.0 gases

### - bench mounted 2-valve fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

#### 15 054.009; Oxygen/ technical 4.0 gases

Bench mounted fitting for dry services with 2 valves (90°). Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

Delivered with mounting accessories.

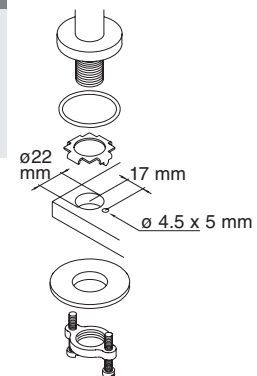
#### Materials with medium contact:

Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 1.8kg

Maximum working pressure:  
10 bar/147 psi.

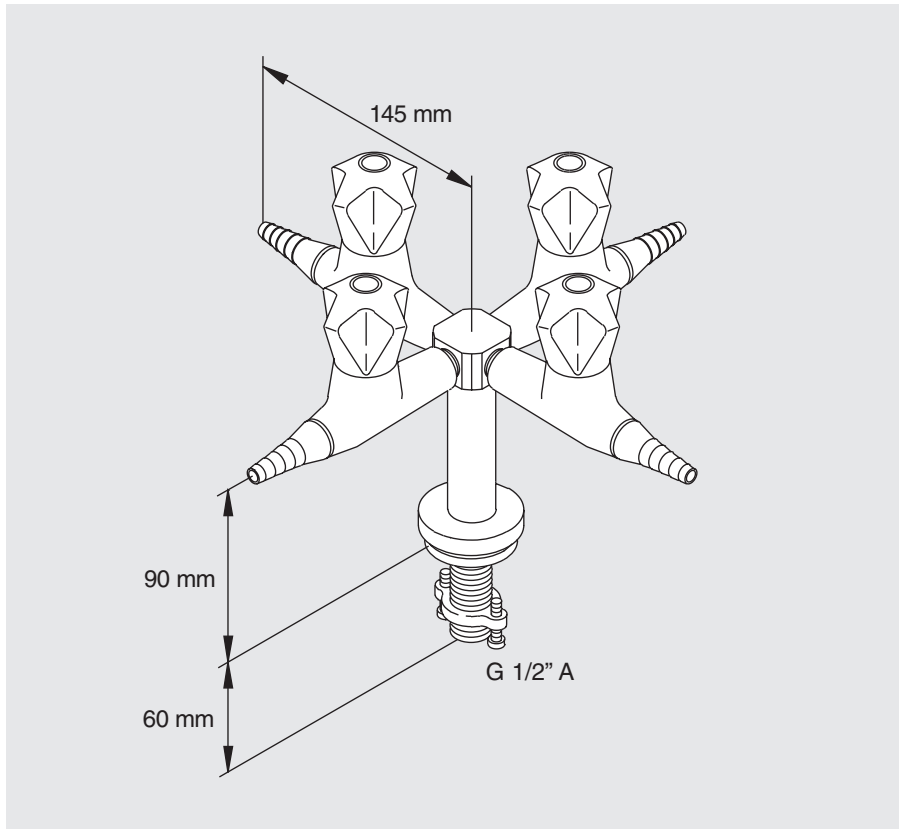
#### Mounting information:



Drill  $\varnothing$  22 mm for the inlet.  
Drill  $\varnothing$  4.5 mm for the locking ring at a distance of 17 mm from the center of the  $\varnothing$  22 mm hole.  
The  $\varnothing$  4.5 mm hole must be at least 5 mm deep.

## BOSS fittings for oxygen & non-burning 4.0 gases

### - bench mounted 4-valve fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

#### 15 061.009; Oxygen/ technical 4.0 gases

Bench-mounted dry service fitting with 4 valves. Nozzles detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

Delivered with mounting accessories.

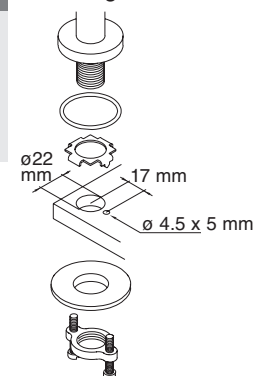
#### Materials with medium contact:

Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 3.1 kg

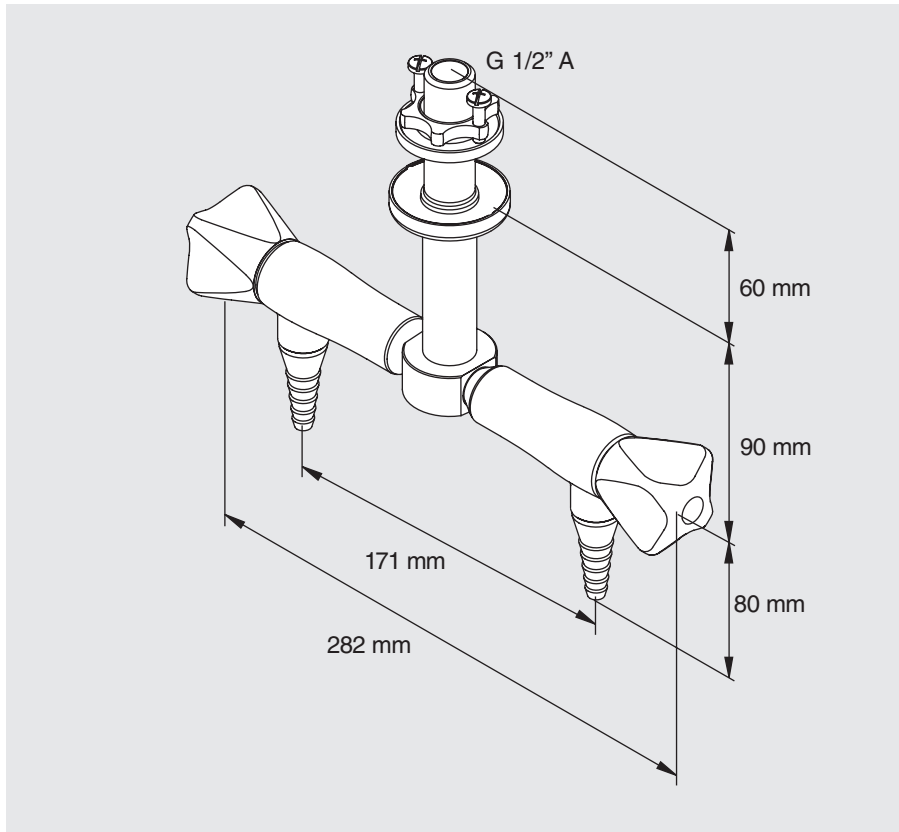
Maximum working pressure:  
10 bar/147 psi.

#### Mounting information:



Drill  $\varnothing$  22 mm for the inlet.  
Drill  $\varnothing$  4.5 mm for the locking ring at a distance of 17 mm from the center of the  $\varnothing$  22 mm hole.  
The  $\varnothing$  4.5 mm hole must be at least 5 mm deep.

## BOSS fittings for oxygen & non-burning 4.0 gases - suspended 2-valve fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

### 15 039.009; Oxygen/ technical 4.0 gases

Suspended dry service fitting. Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

Delivered with mounting accessories.

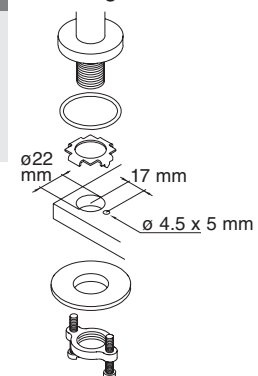
### Materials with medium contact:

Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 1.5kg

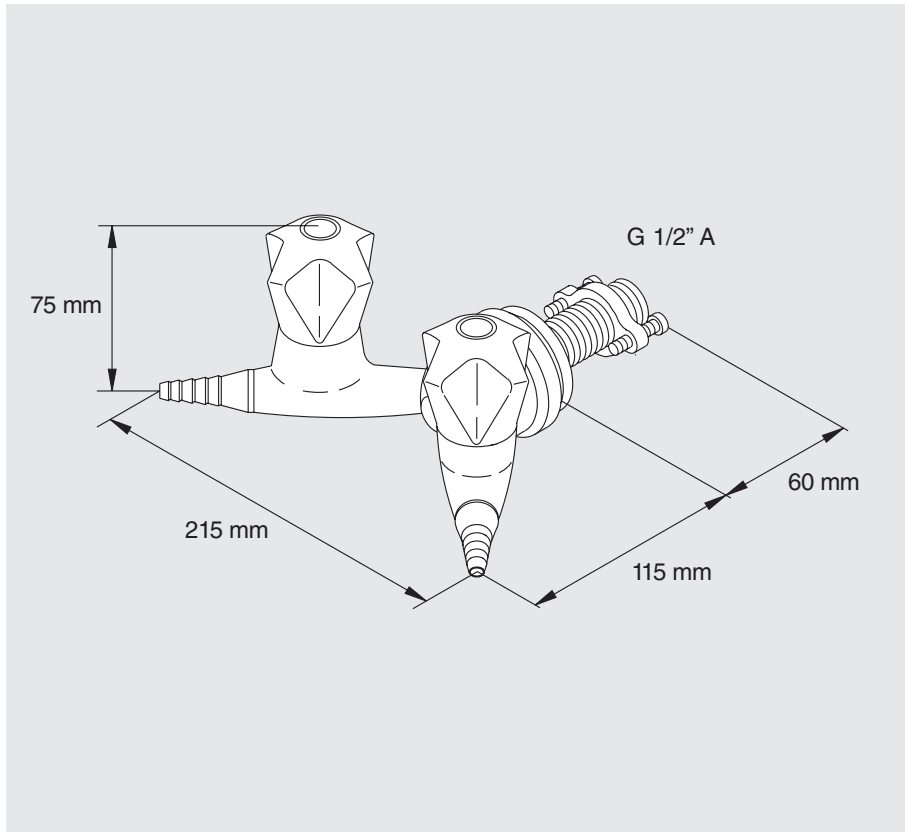
Maximum working pressure:  
10 bar/147 psi.

### Mounting information:



Drill  $\varnothing$  22 mm for the inlet.  
Drill  $\varnothing$  4.5 mm for the locking ring at a distance of 17 mm from the center of the  $\varnothing$  22 mm hole.  
The  $\varnothing$  4.5 mm hole must be at least 5 mm deep.

## BOSS fittings for oxygen & non-burning 4.0 gases - wall mounted 2-valve fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

### 15 058.009; Oxygen/ technical 4.0 gases

Wall mounted dry service fitting with 2 valves (90°) for 4.0 cleanliness gases. Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

Delivered with mounting accessories.

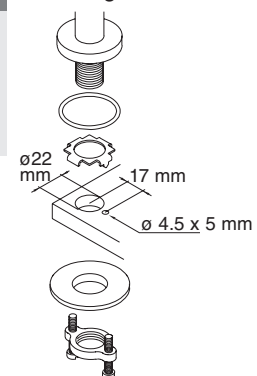
### Materials with medium contact:

Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 1.2kg

Maximum working pressure:  
10 bar/147 psi.

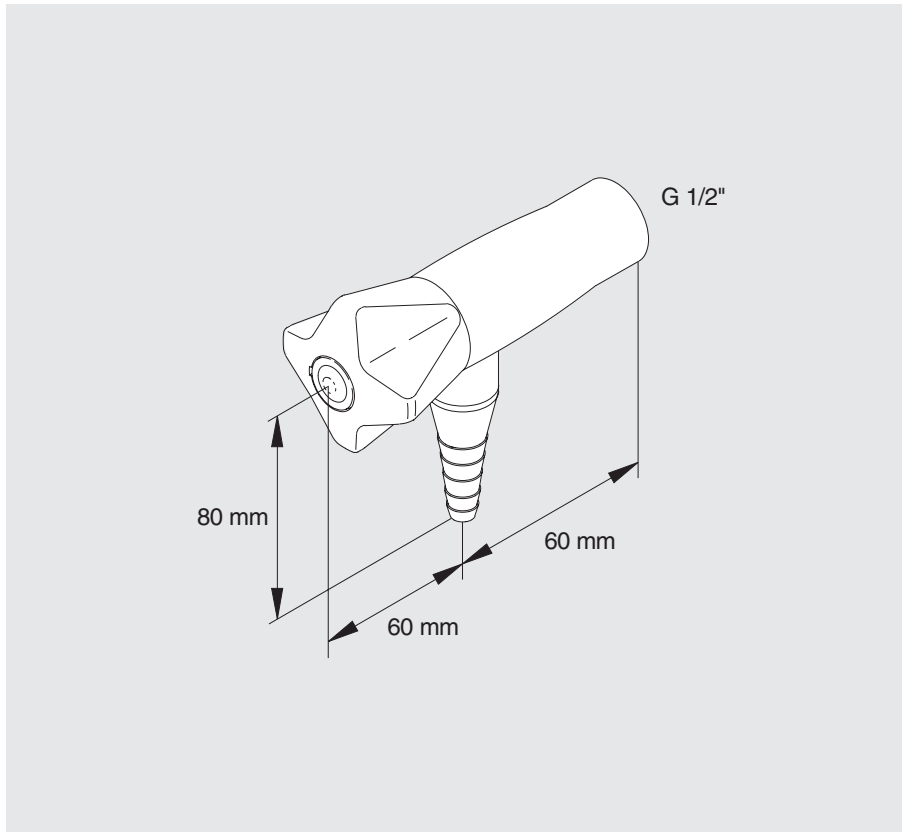
### Mounting information:



Drill  $\varnothing$  22 mm for the inlet. Drill  $\varnothing$  4.5 mm for the locking ring at a distance of 17 mm from the center of the  $\varnothing$  22 mm hole. The  $\varnothing$  4.5 mm hole must be at least 5 mm deep.

## BOSS fittings for oxygen & non-burning 4.0 gases

- wall mounted fitting, 90° nozzle



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

### 15 356.009; Oxygen/ technical 4.0 gases

Dry service valve. Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

### Materials with medium contact:

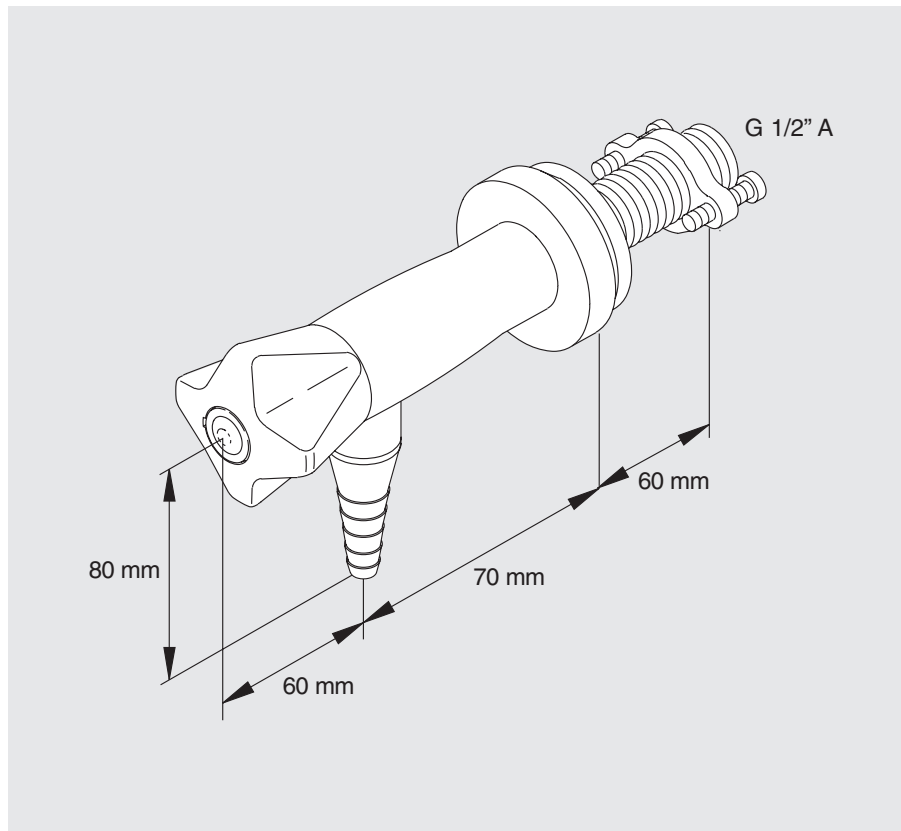
Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 0.7 kg

Maximum working pressure:  
10 bar/147 psi.

## BOSS fittings for oxygen & non-burning 4.0 gases

### - wall mounted fitting, 90° nozzle



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

#### 15 355.009; Oxygen/ technical 4.0 gases

Wall mounted dry service valve. Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

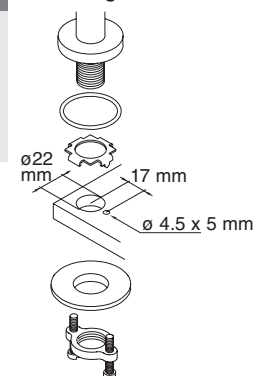
Delivered with mounting accessories.

#### Materials with medium contact:

Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 0.9 kg  
Maximum working pressure:  
10 bar/147 psi.

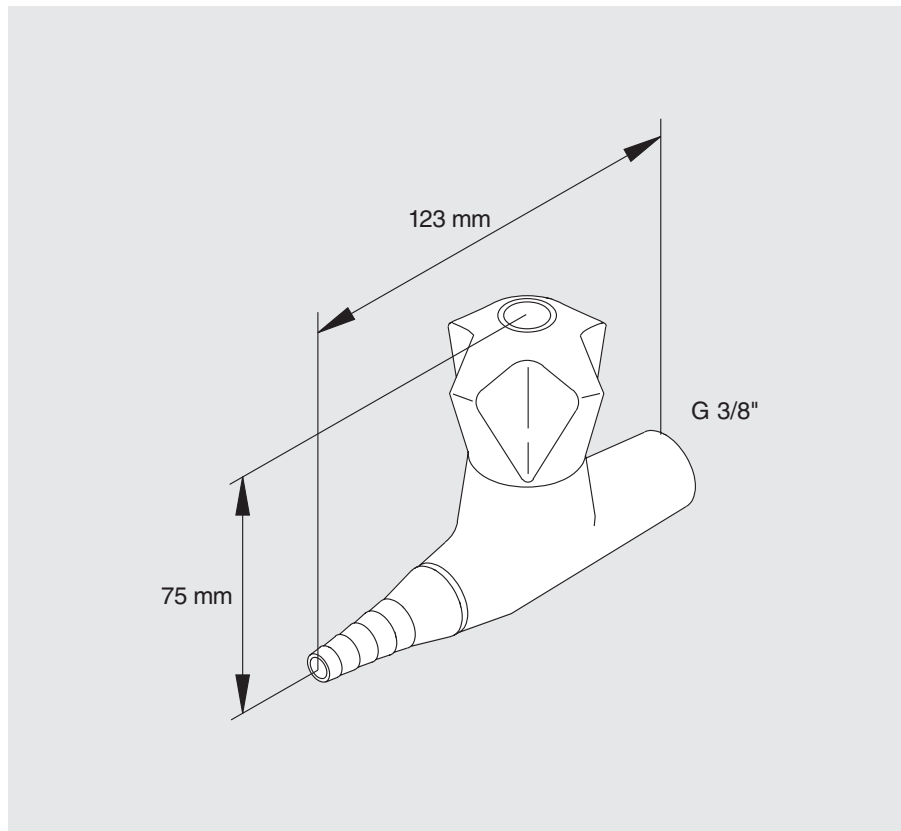
#### Mounting information:



Drill  $\varnothing$  22 mm for the inlet.  
Drill  $\varnothing$  4.5 mm for the locking ring at a distance of 17 mm from the center of the  $\varnothing$  22 mm hole.  
The  $\varnothing$  4.5 mm hole must be at least 5 mm deep.

# BOSS fittings for oxygen & non-burning 4.0 gases

## - wall mounted / suspended fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

### 15 050.009; Oxygen/ technical 4.0 gases

Dry service valve. Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

### Materials with medium contact:

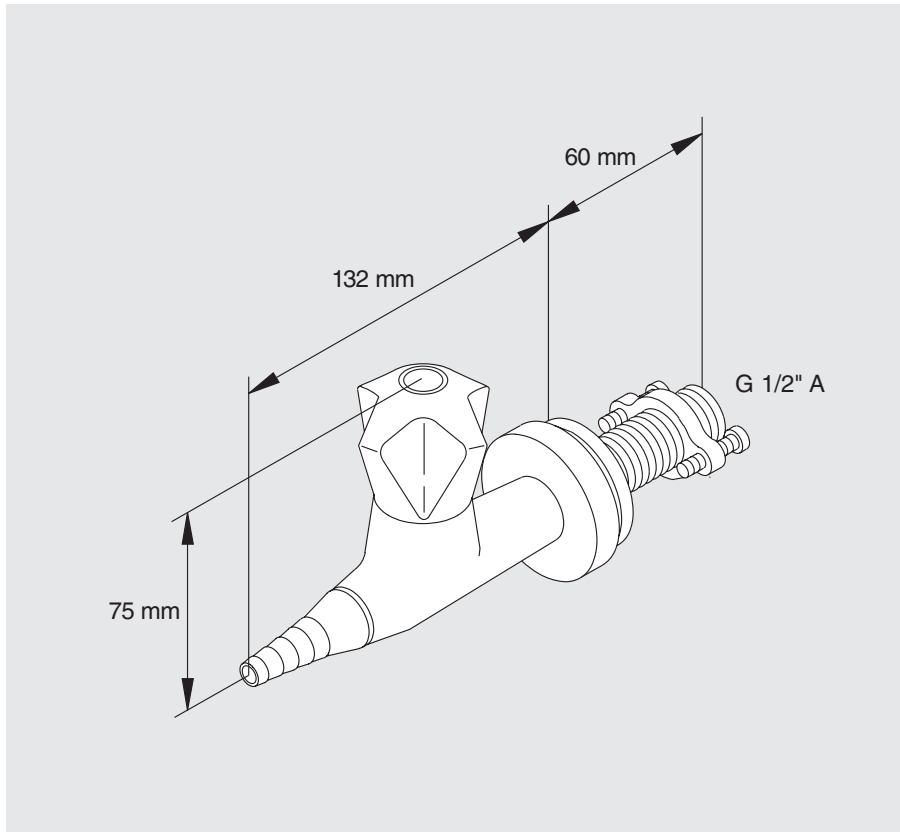
Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 0.7 kg

Maximum working pressure:  
10 bar/147 psi.

## BOSS fittings for oxygen & non-burning 4.0 gases

### - wall mounted / suspended fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

#### 15 048.009; Oxygen/ technical 4.0 gases

Wall mounted/suspended dry service valve. Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

Delivered with mounting accessories.

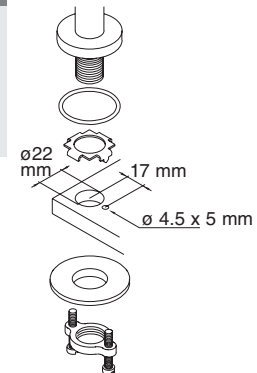
#### Materials with medium contact:

Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 0.8 kg

Maximum working pressure:  
10 bar/147 psi.

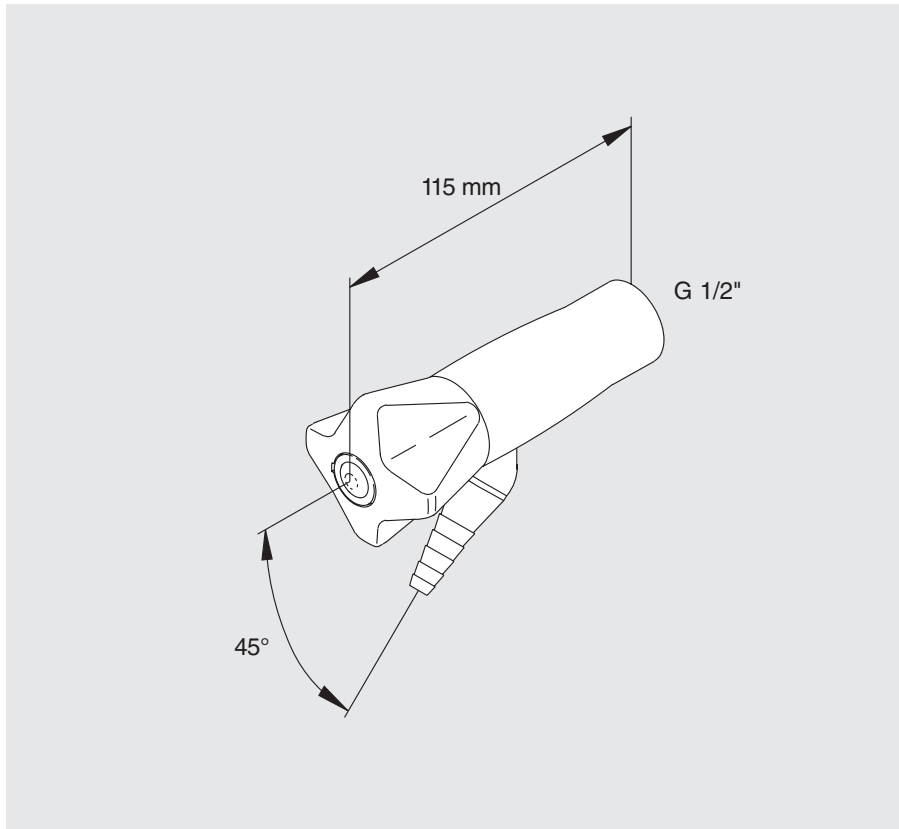
#### Mounting information:



Drill  $\varnothing$  22 mm for the inlet.  
Drill  $\varnothing$  4.5 mm for the locking ring at a distance of 17 mm from the center of the  $\varnothing$  22 mm hole.  
The  $\varnothing$  4.5 mm hole must be at least 5 mm deep.

# BOSS fittings for oxygen & non-burning 4.0 gases

## - wall mounted fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

### 15 357.009; Oxygen/ technical 4.0 gases

Wall mounted dry service valve with 45° outlet nozzle. Nozzle detachable with key No. 96K0002

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

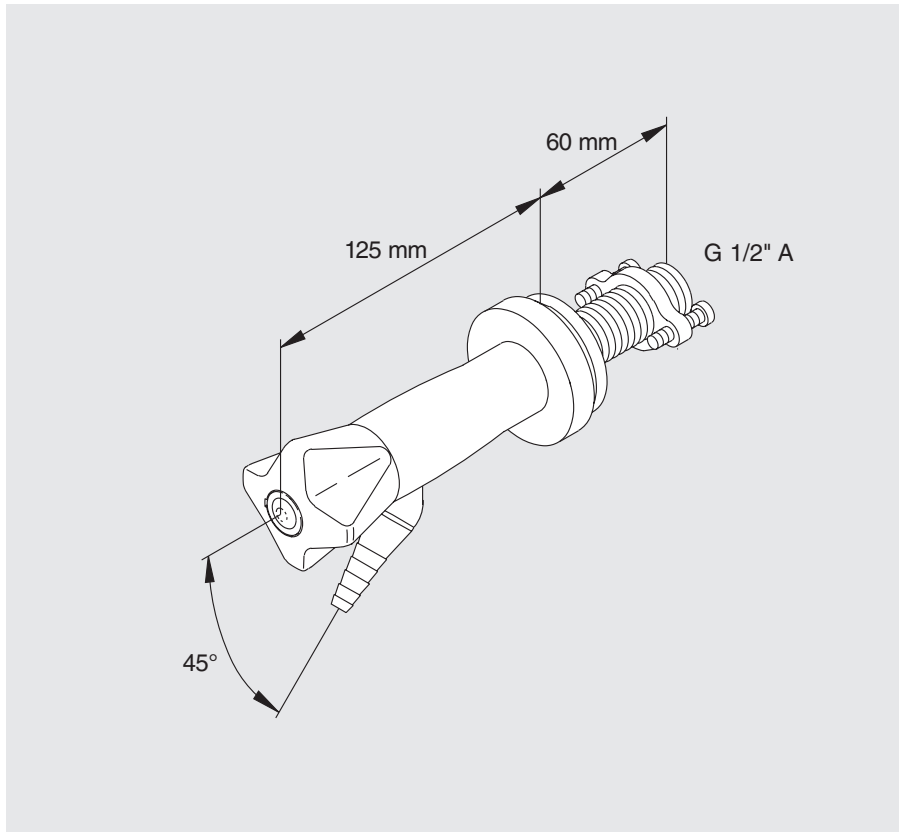
#### Materials with medium contact:

Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 0.7 kg

Maximum working pressure:  
10 bar/147 psi.

## BOSS fittings for oxygen & non-burning 4.0 gases - wall mounted fitting



The fittings are surface treated with BROEN POLYCOAT powder coat, which is highly resistant to most chemicals, UV fading and heat.

### 15 358.009; Oxygen/ technical 4.0 gases

Wall mounted dry service valve with 45° outlet nozzle. Nozzle detachable with key No. 96K0002.

Dry service valves for Oxygen and technical gases (99.99% clean) can be used where a higher degree of cleanliness is required.

The design and manufacturing are adapted to oxygen service, meaning that the presence of mineral oils and greases are minimized.

Typical media for this range are oxygen and all non-burning, non-corrosive and non-toxic 4.0 gases such as N<sub>2</sub> and He.

Delivered with mounting accessories.

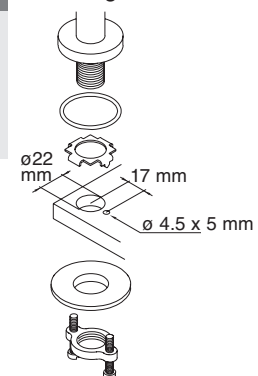
### Materials with medium contact:

Metals:	Brass and nickel
Sealing:	Viton®
Plastics:	PVDF
Lubricant:	Approved for oxygen

Weight: 0.9 kg

Maximum working pressure:  
10 bar/147 psi.

### Mounting information:



Drill ø 22 mm for the inlet.  
Drill ø 4.5 mm for the locking ring at a distance of 17 mm from the center of the ø 22 mm hole.  
The ø 4.5 mm hole must be at least 5 mm deep.