



*easy and reliable cleaning*



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# BLUE KING

## Comfort, sustainability and efficiency combined in one spray gun

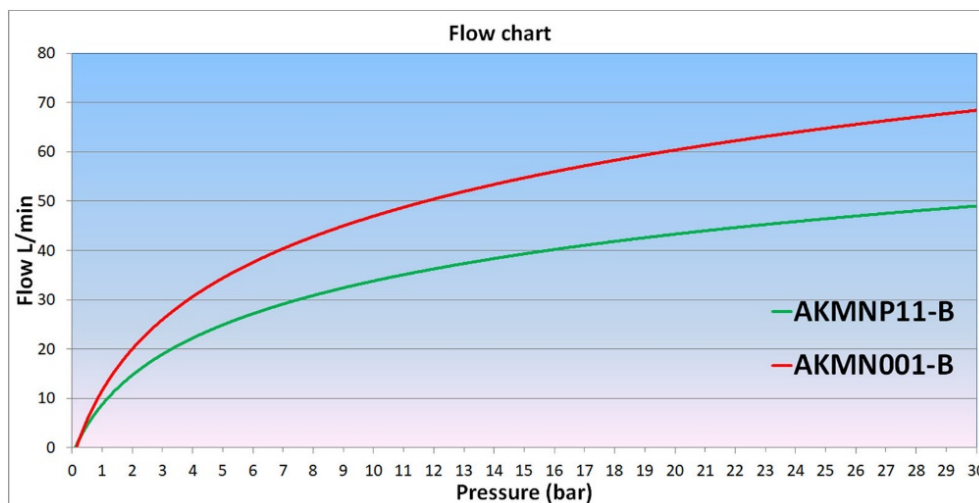
### Powerful cleaning with less water



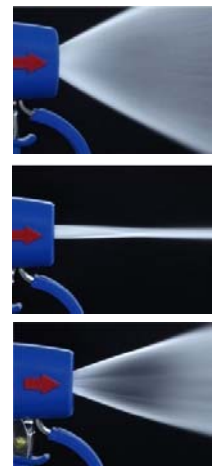
**AKMN011-B**

**AKMNP11-B**

The Blue King is a superior cleaning gun with many special qualities. With its compact size and ergonomic handle, it sits comfortably in the hand. The velvety soft rubber surface adds further comfort. The spray pattern of the Blue King is unsurpassed. Due to be exactly positioned nozzle tip, there is a very equal distribution of water, wherein with the trigger the shape of the jet can be changed easily from a wide cone to a narrow point. A precise adjustment of spray pattern and trigger position is possible with the set screw at the rear. With the out folding clip that can be done quickly and without any tools. The nozzle has the revolutionary flat design from AKBO so that dripping is prevented during spraying, even with the use of the widest jet. In addition, the orifice is dimensioned such that the gun uses at least **16% less water** than a regular cleaning gun.



*Water flow of the Blue King in relation to the pressure relative to regular cleaning guns*



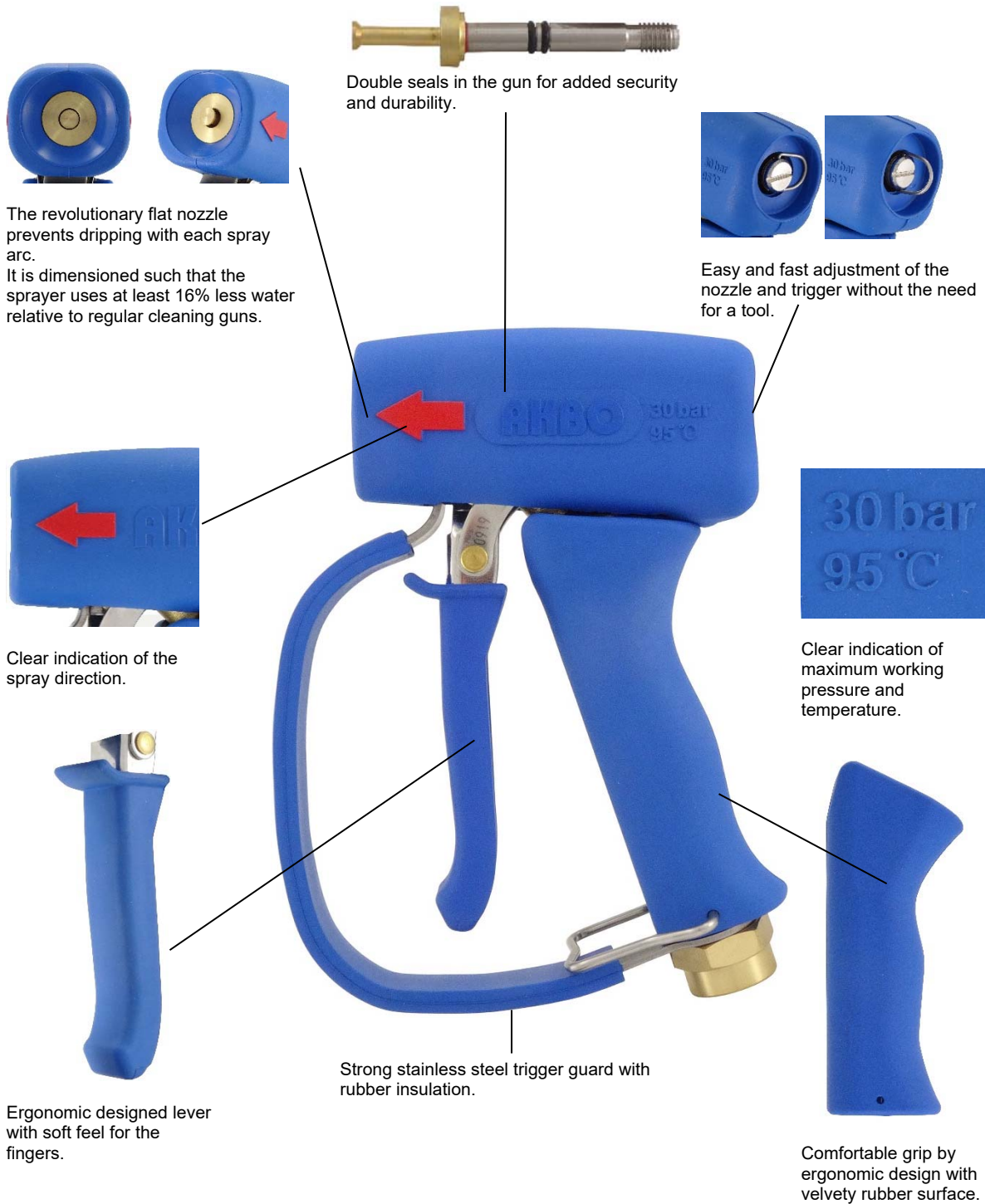
*Adjustable spray angle*

Technical data	AKMN011-B	AKMNP11-B
Body material	Brass CuZn39Pb3	Brass CuZn39Pb3
Lever, pusher and trigger guard	St.st. X5CrNi18-10 (AISI 304)	St.st. X5CrNi18-10 (AISI 304)
Nozzle shaft and spring	St.st. X5CrNi17Mo-12-2 (AISI 316)	St.st. X5CrNi17Mo-12-2 (AISI 316)
Rubber protection	EPDM	EPDM
Seals	EPDM (FDA)	EPDM (FDA)
Inlet connection	1/2" BSP female	1/2" BSP female
Maximum temperature	95 °C	95 °C
Maximum pressure	30 bar	30 bar
Flow at 4 bar	22,2 l/min	22,2 l/min
Weight	706 grams	880 grams
Size	190 x 145 x 50 mm	190 x 145 x 50 mm

*The version with the AKBO logo is shown. Also available with KING-logo or own logo (m.o.q. 100 pieces).*



# Characteristics of the BLUE KING



**Reference:**  
**AKMN011-B (without trigger guard)**  
**AKMNP11-B (with trigger guard)**

*The version with the AKBO logo is shown. Also available with KING-logo or own logo (m.o.q. 100 pieces).*



# Brass heavy duty spray guns

## With insulated trigger

Available in different colours



**AKMN001-B** blue      **AKMN001-G** green  
**AKMN001-R** red      **AKMN001-W** white  
**AKMN001-Y** yellow    **AKMN001-BL** black

With insulated trigger guard



**AKMNP01-B**

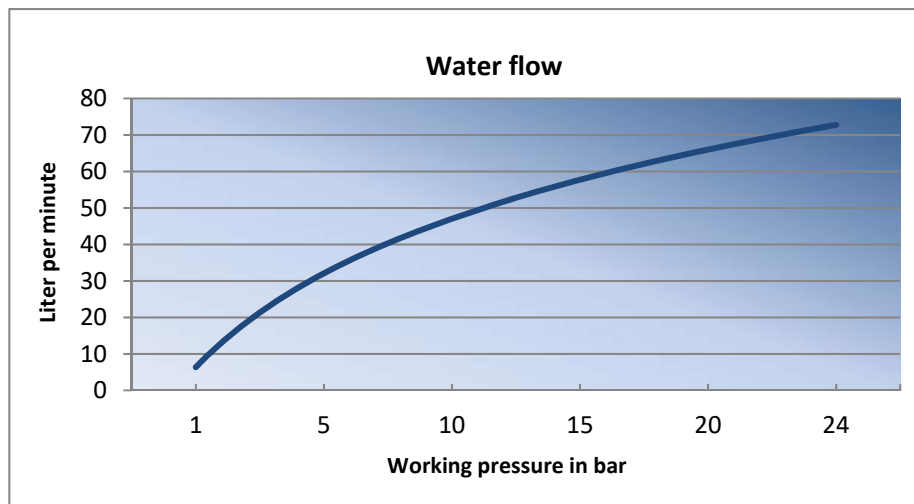
**AKMNP01-B-SW12**

With ball bearing brass swivel  
 1/2" BSP female

**AKMNP01-B-SW34**

With ball bearing brass swivel  
 3/4" BSP female

All **bold** printed items are ex. stock available



Water flow in l/min with fully squeezed trigger



Adjustable spray pattern, from wide angle to strong jet

### Technical data:

- Brass housing
- Covers from EPDM rubber
- Seals from EPDM (FDA)
- Trigger handle and pusher from AISI 304
- 1/2" BSP female inlet
- Max. temperature: 95 °C (200 °F)
- Max. pressure: 24 bar (350 psi)
- Weight in grams: AKMN001 = 835; AKMNP01-B = 1031; AKMNP01-B-SW12 = 1110; AKMNP01-B-SW34 = 1097

**Not for steam**



Red arrow for flow direction

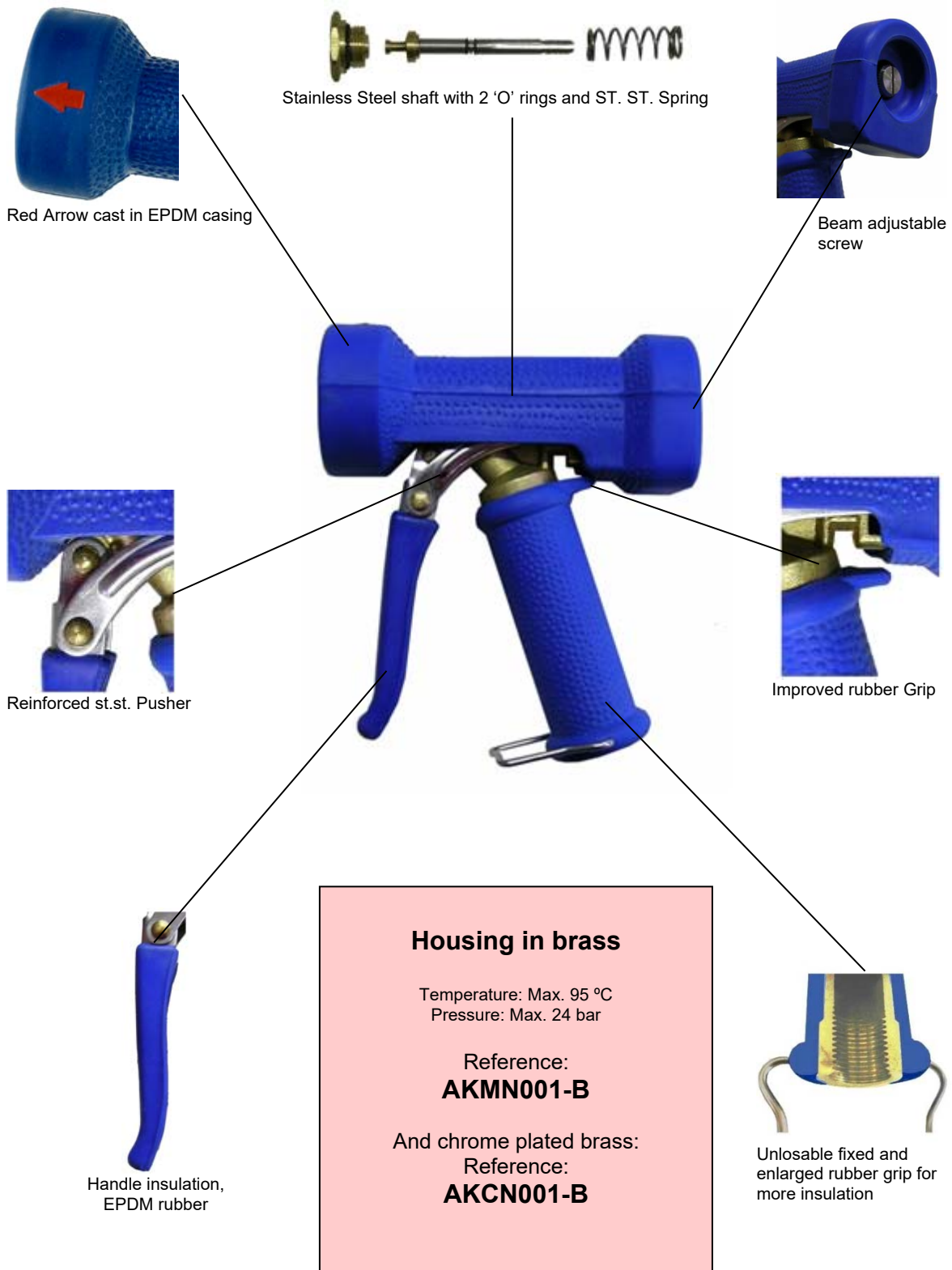
### Also available:

Spray guns in chrome plated brass, full Stainless Steel AISI 316 and light weight plastic PA66  
 Special spray guns: for hot water, for large flow, for (foam)lance mounting, for sterilisation and ATEX

\*\*\* Although all used materials can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water



# Features heavy-duty brass water guns



\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.



**Brass heavy-duty spray gun,  
with trigger protection**  
(also available in Stainless Steel)



**Reference : AKMNP01-B**

**Ball bearing swivels in brass**  
(also available in Stainless Steel)



<p><b>SWM09-1/2</b> 1/2" male x 1/2" female 9 mm bore</p>	<p><b>SWM09-3/4</b> 1/2" male x 3/4" female 9 mm bore</p>	<p><b>SWM14-3/4</b> 1/2" male x 3/4" female 14 mm bore</p>
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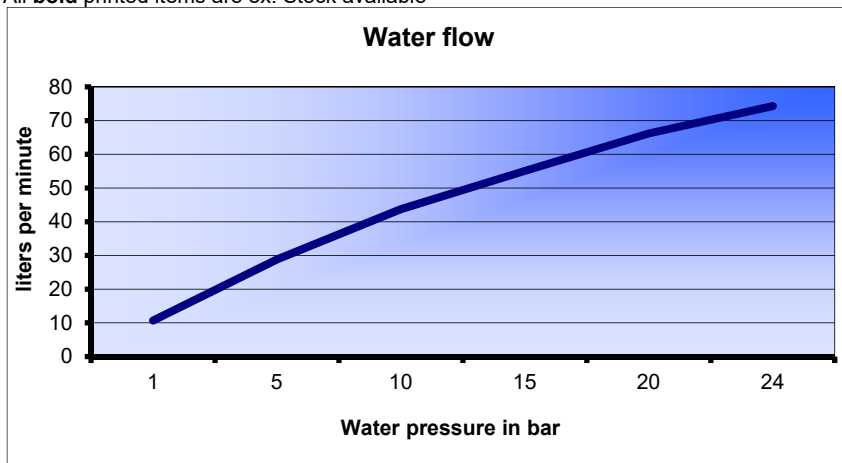


## Brass heavy-duty spray guns in different colours



**KLMN001-BL** black    **KLMN001-B** blue    **KLMN001-R** red  
**KLMN001-W** white    **KLMN001-G** green    **KLMN001-Y** yellow

All bold printed items are ex. Stock available



Water flow in l/min with totally pulled trigger



### Technical data:

- Strong brass housing
- Cover from EPDM rubber
- Seals from EPDM (FDA)
- Trigger handle and pusher in St. St.
- 1/2" BSP female connection
- Max. temp. 95 °C (200 °F)
- Max. pressure 24 bar (350 psi)
- Weight about 810 grams
- Controllable beam pattern from broad spray to strong jet
- Clear arrow showing the beam direction

Not for steam



Arrow for beam direction

\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.





# Spray guns with big flow

With unlosable rubber handgrip and insulated trigger handle in St. St.  
With insulated trigger protection in St. St.



**AKMB001-BL**  
**AKRB001-BL (RVS 316)**

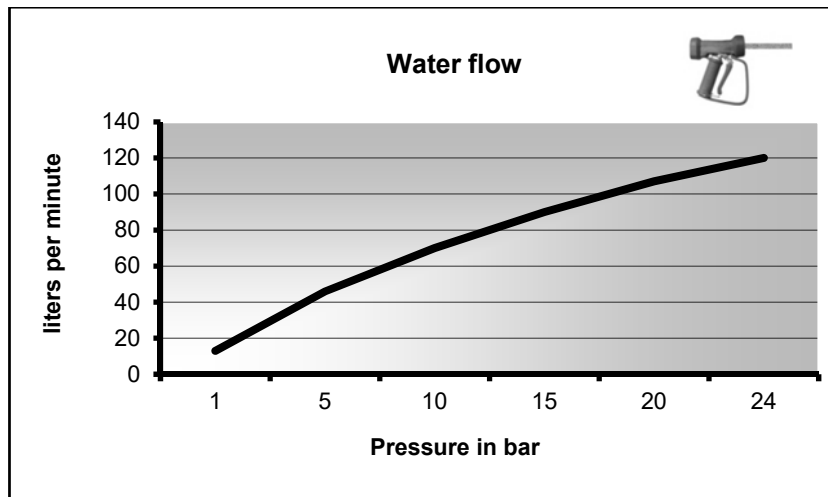


**AKMBP01-BL**



**AKMBP01-BL-SWM14-3/4**  
With ball bearing swivel in brass with 3/4" female and full bore

All bold printed items are ex. Stock available



water flow in l/min with totally pulled trigger



### Technical data:

- Rugged brass or stainless steel (AISI 316) housing
- Covers from EPDM rubber
- Seals AKMB=EPDM (FDA)
- Seals AKRB=VITON suited for food (FDA)
- Trigger handle and pusher in Stainless Steel
- 1/2" BSP female inlet
- Max. temp. 95 °C (200 °F)
- Max. pressure 24 bar (350 psi)
- Weight about 870 grams
- Water beam controllable from broad beam to strong jet
- Clear red arrow to show the water beam direction

Not for steam

### Also available:

**Spray guns in brass, chrome plated brass, full Stainless Steel and light weight plastic**  
**Special spray guns: for hot water in RED, for (foam)lance mounting, for sterilisation and explosion proof**



Big bore

\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.



# Chrome plated brass heavy duty spray guns

With rubber-insulated trigger

Version with insulated trigger guard



**AKCN001-B blue**



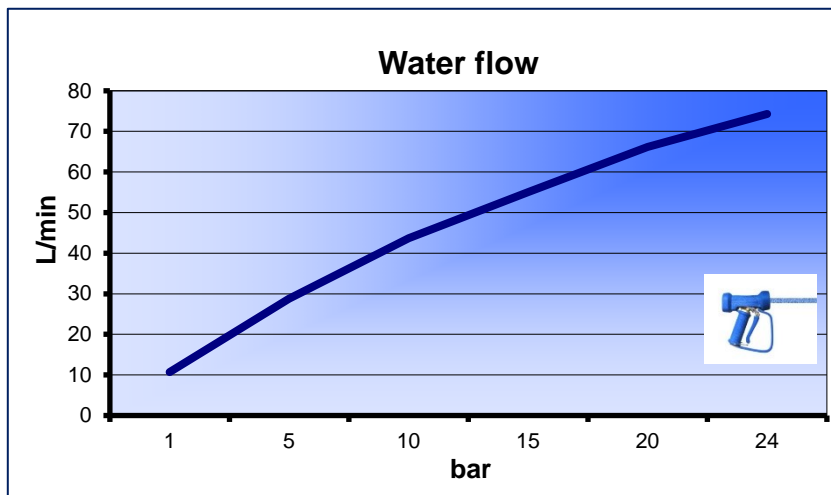
**AKCNP01-B blue**  
**AKCNP01-W white**  
**AKCNP01-W-U\* white**



**AKCNP01-B-SWC09-1/2**  
**AKCNP01-W-SWC09-1/2**  
With chrome plated swivel  
1/2" BSP female.

All **bold** printed items are stock items.

**\*NPT Female thread**



Water flow with straight jet



## Technical data:

- Rugged chrome plated brass housing
- Covers from EPDM rubber
- Seals from EPDM (FDA)
- Trigger handle and pusher in Stainless Steel
- 1/2" BSP female inlet / \*NPT
- Max. temp. 95 °C (200 °F)
- Max. pressure 24 bar (350 psi)
- Weight about 867 / 1016 grams
- Water jet controllable from wide to straight
- Clear red arrow to show the water jet direction

**Not for steam**

### Also available:

Spray guns in brass, stainless steel and lightweight plastic.

Special spray guns for: hot water, for large or economical water flow.

Spray guns for lance mounting, for autoclave and explosion safe.



Rubber collar for better protection



Red arrow for jet direction

\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.



**Stainless steel heavy duty spray gun  
with trigger protection**  
(also available in brass)



**AKRNP01-B** blue  
**AKRNP01-W** white

**Ball bearing swivels in Stainless  
steel**  
(also available in brass)



<p><b>SWR09-1/2</b> 1/2" male x 1/2" female 9 mm bore</p>	<p><b>SWR09-3/4</b> 1/2" male x 3/4" female 9 mm bore</p>	<p><b>SWR14-3/4</b> 1/2" male x 3/4" female 14 mm bore</p>
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# Stainless steel (316) heavy duty spray guns

With rubber-insulated trigger

Version with insulated stainless steel trigger guard



**AKRN001-B blue**  
**AKRN001-W white**  
**AKRB001-BL black (big flow)**



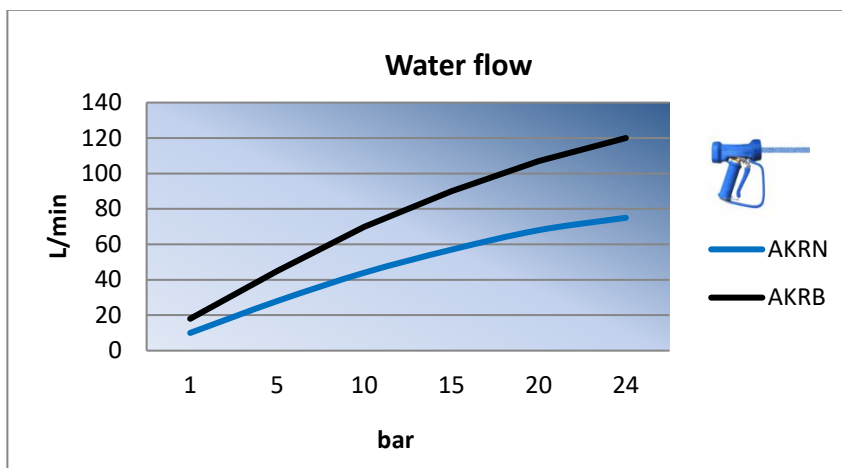
**AKRNP01-B blue**  
**AKRNP01-W white**  
**AKRNP01-B-U\* blue**  
**AKRNP01-W-U\* white**



**AKRNP01-B-SWR09-1/2**  
**AKRNP01-W-SWR09-1/2**  
 With st.st swivel 1/2" BSP female.

All **bold** printed items are stock items.

\*NPT female thread



Water flow with straight jet



## Technical data:

- Rugged Stainless Steel (316) housing
- EPDM Covers
- Seals from VITON suited for food (FDA)
- Trigger handle and pusher in Stainless Steel
- 1/2" BSP female inlet / \*NPT
- Max. temp. 95 °C (200 °F)
- Max pressure 24 bar (350 psi)
- Weight about 813 / 983 gram
- Water jet controllable from wide to straight
- Clear red arrow to show the water jet direction

**Not for steam**

## Also available:

Spray guns in brass, stainless steel and lightweight plastic.  
Special spray guns for: hot water, for large or economical water flow.  
Spray guns for lance mounting, for autoclave and explosion safe.



Rubber collar for better protection



Red arrow for jet direction

\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.



# Hot water spray guns, in stainless steel

**With unlosable rubber handgrip and insulated trigger handle in stainless steel**  
 With insulated trigger protection in St. St.

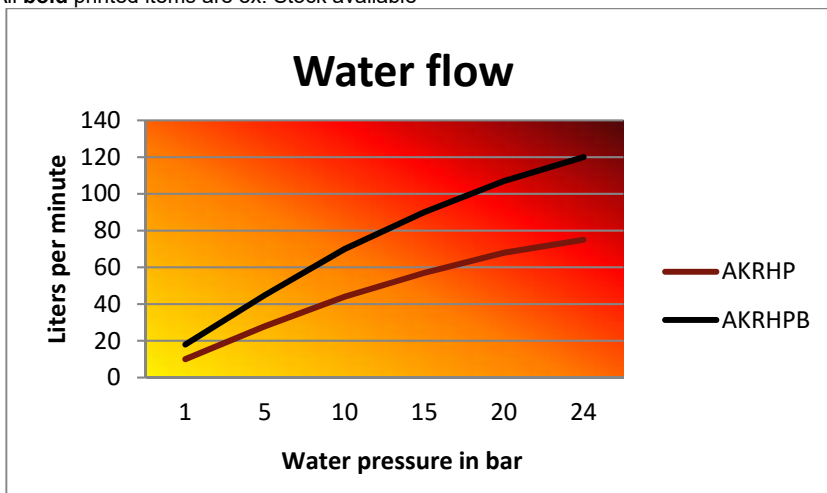


**AKRHP01-R**  
**AKRHPB1-R (big flow)**



**AKRHP02-R-L40**  
 With ca 40 cm lance and hand grip and controllable water beam

All **bold** printed items are ex. Stock available



Water flow in l/min with totally pulled trigger



**Technical data:**

- Rugged stainless steel housing
- EPDM covers
- VITON seals suited for food (FDA)
- Trigger handle and pusher in Stainless Steel
- 1/2" BSP female inlet
- Max. temp. 95 °C (200 °F)
- Max. pressure 24 bar (350 psi)
- Weight about 970 grams (AKRHP02-R-L40 = 1200 grams)
- Water beam controllable from broad beam to strong jet
- Clear arrow to show the water beam direction

Not for use with steam

**Also available:**

**Spray guns in brass, chrome plated brass, full Stainless Steel and light weight plastic**  
**Special spray guns: for large flow in Black, for (foam)lance mounting, for sterilisation and explosion proof**



Teflon/air insulation



Blue arrow for beam direction

\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.



# The stainless-steel hot water gun

With trigger guard, double insulation

**AKRHP01-R**  
95 °C - 24 bar



New nozzle version, for better control of the beam pattern



Longer hand grip with collar for heat protection



New shape of the trigger insulation



Double insulated of the hand grip



Reinforced safety trigger



Skirt, for heat protection against the adaptor

\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.



# The hot water lance water gun

The heavy duty Hot water spray nozzle, in Stainless Steel (316) with TEFLON/Air insulation. Lance with handgrip and controllable nozzle.



Controllable Beam pattern

## AKRHP02-R-L40

Max. temp. 95 °C (200 °F)  
 Max. pressure 24 bar (350 Psi)  
 Ca. 70 l/min max.  
 Not for steam



Longer hand grip with collar



New shape of trigger insulation



Reinforced safety trigger



Rubber skirt for adapter heat protection



Teflon/Air insulation

\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.



# Explosion proof spray guns, in stainless steel

With unlosable rubber handgrip and insulated trigger handle in stainless steel  
 Avec protection de levier en inox isolé



**AKRNP01-BL-EX**



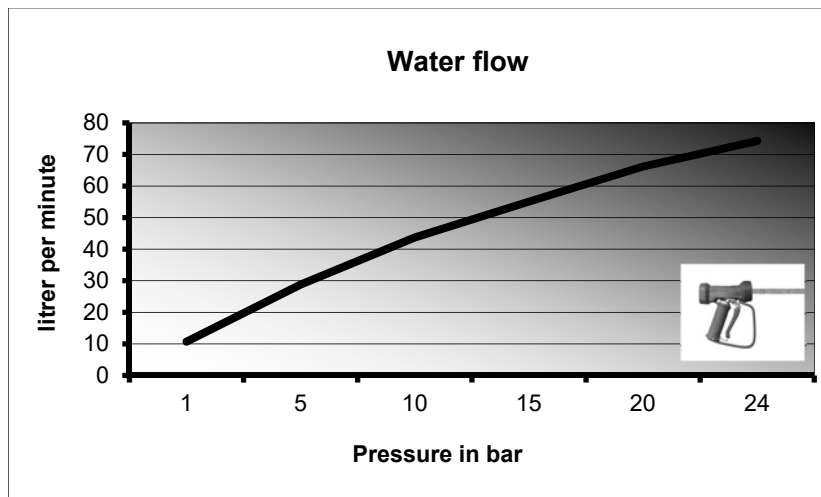
**Approved for Zone 1 and 2**

**TÜV approval:**

Art. Nr. 040 405.VAEX

Project-Nr.120 120.1234VAEX

**All metal parts of stainless steel AISI 316**



water flow in l/min with totally pulled trigger



## Technical data:

- Rugged Stainless Steel AISI 316 housing
- EPDM covers (max. 1MΩ)
- Seals from VITON suited for food (FDA)
- Trigger handle and pusher in Stainless Steel
- 1/2" BSP female inlet
- Max. temp 60 °C (140 °F)
- Max. pressure 24 bar (350 psi)
- Weight about 970 grams
- Water beam controllable from broad beam to strong jet
- Clear red arrow to show the water beam direction

Not for steam

## Also available:

Spray guns in brass, chrome plated brass, full Stainless Steel and light weight plastic

Special spray guns: for hot water in RED, for large flow in Black, for (foam)lance mounting and for sterilisation



Red arrow for beam



EX logo in top cover

\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.





# Sterilisable spray gun in AISI 316

With special latex rubber cover and VITON (FDA) seals.



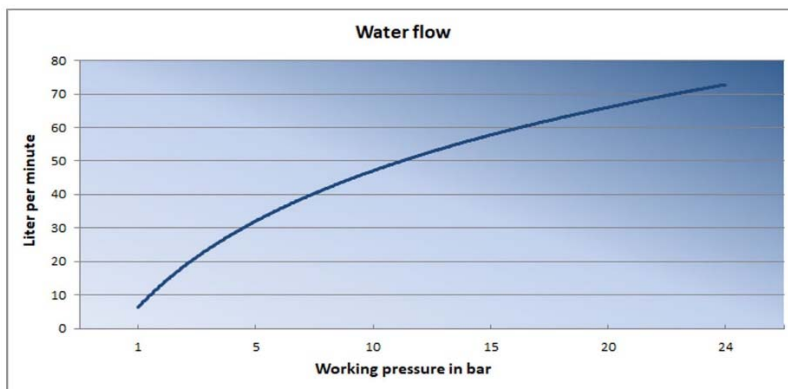
This stainless steel gun has been specially developed for cleaning applications in an environment where sterile equipment is required. The special latex cover allows this gun to be disinfected in an autoclave. This makes it the ideal gun for use in, for example, the pharmaceutical and cosmetic industries.

### Areas of application:

- Pharmaceutical industry
- Cosmetic industry
- Food industry

*Spray gun can be sterilized up to 160 °C*

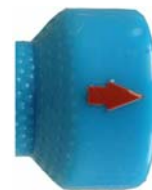
Ref.: AKRN002-LB-LAT



Water flow in l/min with fully squeezed trigger



Adjustable spray pattern, from wide angle to strong jet



Red arrow for flow direction

### Technical data:

- Stainless steel AISI 316 housing
- Covers of special latex rubber
- Seals from VITON suited for food (FDA)
- Trigger handle and pusher from AISI 304
- 1/2" BSP female inlet
- Max. temperature: 95 °C
- Max. pression: 24 bar (350 psi)
- Weight: 870 grams

**Not for steam**

### Also available:

Spray guns in chrome plated brass, full Stainless Steel AISI 316 and light weight plastic PA66  
Special spray guns: for hot water, for large flow, for (foam)lance mounting and ATEX

\*\*\* Although all used materials can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.



## Heavy duty light weight wash down guns



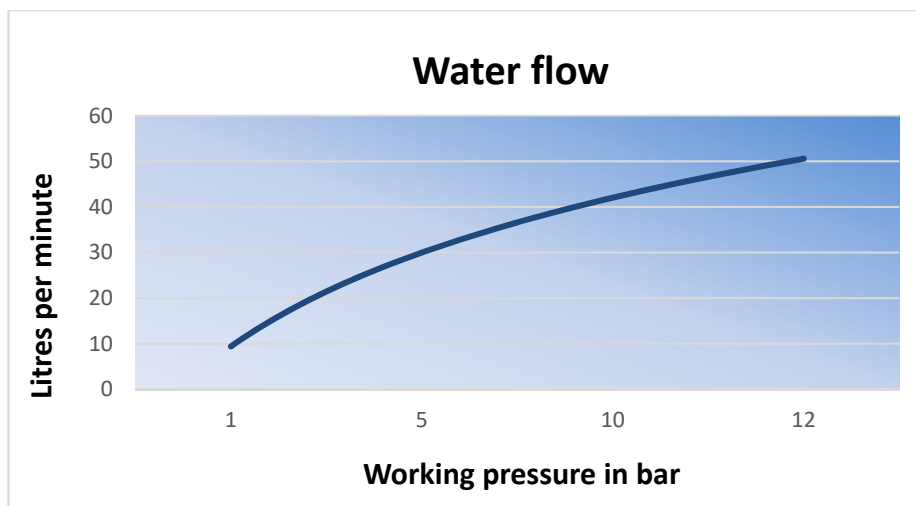
**AKNN001-B**

### Features:

- Light weight, body from **PA66**
- Heavy duty
- Glass reinforced (FDA)
- EPDM rubber covers
- EPDM/VITON seals (FDA)
- Adjustable water beam
- Stainless Steel shaft and spring
- Stainless Steel trigger handle
- Unlosable rubber handgrip
- Red arrow for water direction
- Max. 12 bar 50 °C
- Inlet 1/2" BSP female
- Weight only 480 grams

For all cleaning applications and due to fact that the materials used are according FDA, particular in the food and beverage industry.

Because of the lighter weight, more comfortable to use, when the cleaning takes longer time.



### Also available:

Spray guns in brass, chrome plated brass, and full Stainless Steel

Special spray guns: for hot water, large flow, (foam)lance mounting, sterilisation and explosion proof



# BLUE PRINCESS

## Economic high-quality cleaning gun

### Powerful cleaning with less water



The Blue Princess is a cost-effective cleaning gun with many special qualities.

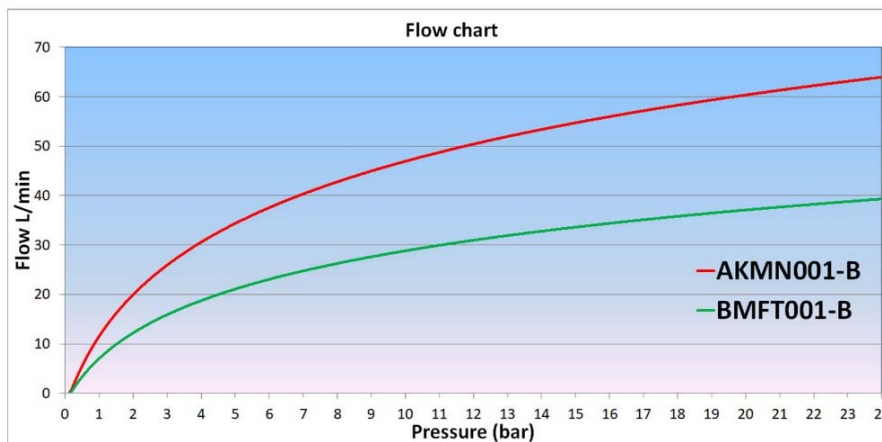
With its low weight and its compact dimensions, it is particularly easy to handle. The velvety soft rubber surface adds to the comfort.

The nozzle has the new revolutionary flat AKBO design, which provides a perfect spray pattern without dripping. Due to be exactly positioned nozzle tip, there is a very equal distribution of water, wherein with the trigger the shape of the jet can be changed easily from a wide cone to a narrow point. In addition, the orifice is dimensioned such that the gun uses at least **26% less water** than a regular cleaning gun. It also has a great cleaning power by its strong jet.

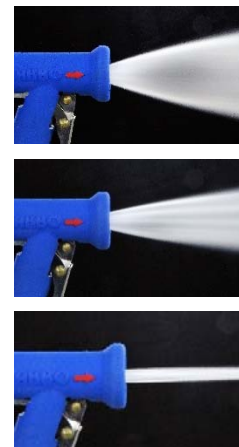
Despite its low weight and compact dimensions, the Blue Princess is extremely durable thanks to its rugged construction, sturdy hinge joints, strong materials and dual internal seals.

The Blue Princess is available in brass and stainless steel.

### BMFT001-B (brass version) BRFT001-B (stainless steel version)



Water flow of the Blue Princess in relation to the pressure relative to regular cleaning guns



Adjustable spray angle

Specifications	BMFT001-B	BRFT001-B
Body material	Brass CuZn39Pb3	St.st. X5CrNiMo17-12-2 (AISI 316)
Lever and pusher	St.st. X5CrNi18-10 (AISI 304)	St.st. X5CrNi18-10 (AISI 304)
Nozzle shaft and spring	St.st. X5CrNiMo17-12-2 (AISI 316)	St.st. X5CrNiMo17-12-2 (AISI 316)
Rubber protection	EPDM	EPDM
Seals	EPDM (FDA)	Viton (FDA)
Inlet connection	½" BSP female	½" BSP female
Maximum temperature	95 °C	95 °C
Maximum pressure	25 bar	25 bar
Flow at 4 bar	19,0 l/min	19,0 l/min
Weight	463 g	480 g
Size	145 x 94 x 45 mm	145 x 94 x 45 mm

*The version with the AKBO logo is shown. Also available with PRINCESS -logo or own logo (m.o.q. 200 pieces)*



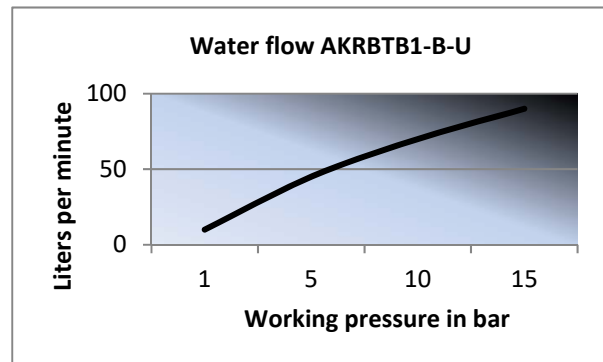
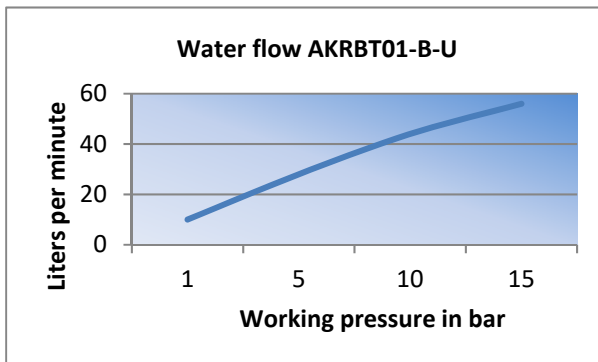
# AISI 316 spray guns with back trigger

With unlosable rubber hand grip and insulated trigger handle in stainless steel



**AKRBT01-B-U**  
**AKRBTB1-B-U (big flow)**

All **bold** printed items are ex. stock available



water flow in l/min with totally squeezed trigger



**RESARBT**  
**RESRBTB**

spare part set for AKRBT01-B-U  
spare part set for AKRBTB1-B-U

**Technical data:**

- Rugged stainless steel (316) housing
- Covers from EPDM
- Seals from VITON suited for food (FDA)
- Trigger handle and pusher in Stainless Steel
- 1/2" NPT female inlet
- Max. temp. 95 °C (200 °F)
- Max. pressure 24 bar (350 psi)
- Weight about 870 grams
- Water beam controllable from broad beam to strong jet

**Not for use with steam**



Clear red arrow for water beam direction

\*\*\* Although all materials used can withstand temperatures up to over 100 °C, it is strongly recommended to take special precautions when using hot water.



# Light weight spray guns, “Baby” series

Compact with less water usage



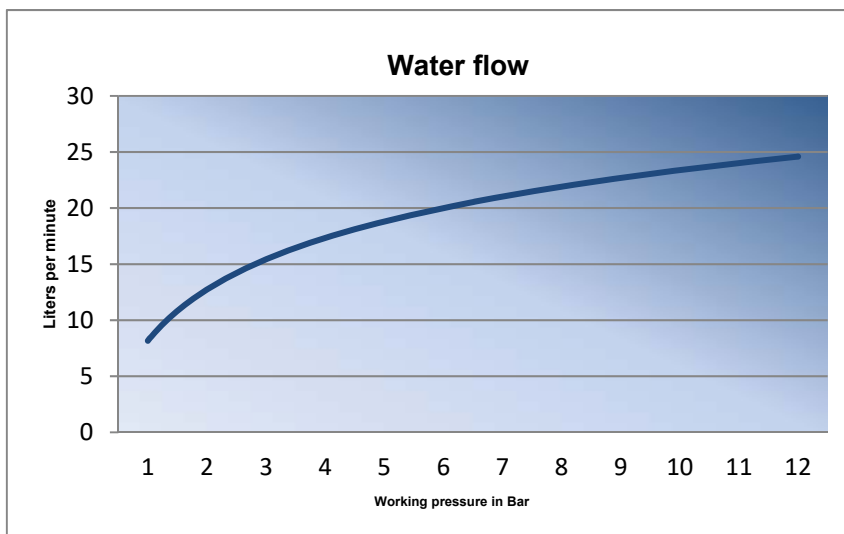
**Reference:**

**BABTN01-B** Aluminium  
**BMBTN01-B** Brass  
**BRBTN01-B** Stainless Steel

All **bold** printed items are ex. Stock available



Clear red arrow to show the water beam direction



Water flow in l/min with fully squeezed trigger



Water beam controllable from broad beam to strong jet

Technical specifications	<b>BABTN01-B</b>	<b>BMBTN01-B</b>	<b>BRBTN01-B</b>
Body	Aluminium	Brass	St.st. AISI 316
Covers	EPDM	EPDM	EPDM
Seals	EPDM (FDA)	EPDM (FDA)	VITON (FDA)
Trigger and pusher	St.st. AISI 304	St.st. AISI 304	St.st. AISI 304
Connection	½" BSP female	½" BSP female	½" BSP female
Max. temperature	50 °C (122 °F)	95 °C (231 °F)	95 °C (231 °F)
Max. pressure	12 bar (170 PSI)	25 bar (354 PSI)	25 bar (354 PSI)
Weight	360 g	622 g	680 g

**Not for use with steam**

\*\*\* Although all products are suited for use with higher temperatures, it's strongly recommended to take special precautions when using hot water.



## Water gun for lance mounting (lances & nozzles)







The water gun for lance mounting has an 1/2" male outlet. This makes it possible to mount different kind of lances with a fixed nozzle for a consistent spray pattern.

Such a water gun with an attached lance will make it easier to clean places which are otherwise difficult to reach.

Because of its big bore this water gun is also very good to use with both wet and dry foam applications.

This type of water gun is available in four versions: brass, chrome plated brass, stainless steel (AISI 316) and plastic (glass fibre reinforced PA66).

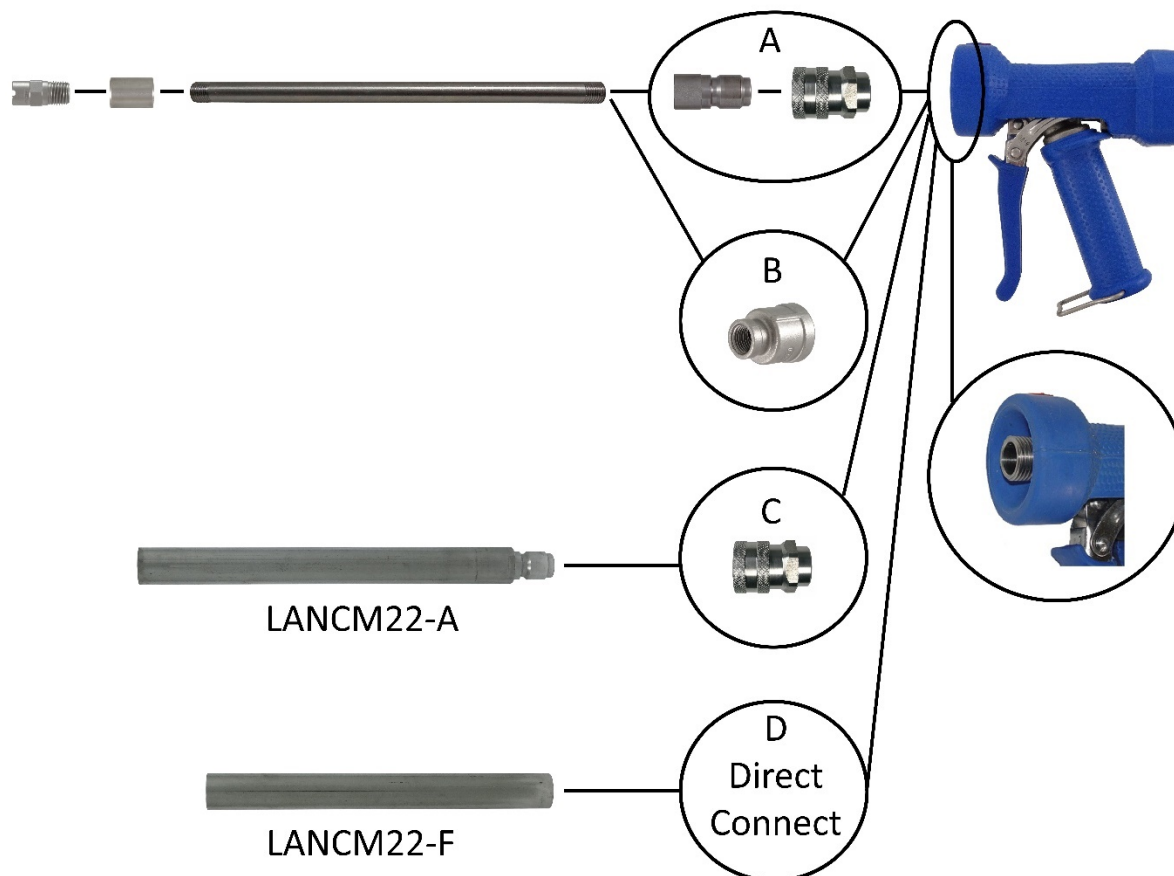
	Reference	Description
	KLML002-B	Brass water gun for lance mounting with 1/2" male outlet
	AKCL002-B	Chrome plated brass water gun for lance mounting with 1/2" male outlet
	AKRL002-B	Stainless steel water gun for lance mounting with 1/2" male outlet
	AKNL002-B	Plastic (glass fibre reinforced PA66) water gun for lance mounting with 1/2" male outlet







Mounting a lance on these water guns can be done in two different ways:

Option B & D: with a fixed connection

Option A & C: with a quick release connection



<b>Option A:</b> Adapter and coupling in stainless steel	<b>Option B:</b> Reducer from 1/2" female thread to 1/4" female thread
 <p><b>ADAPN1/4-F-S</b>      <b>COUPL1/2-F</b></p>	 <p><b>NIP5025-R</b></p>

<b>Option C:</b> Coupler in stainless steel	<b>Option D:</b> Outlet 1/2" male for connection to COUPL1/2-F or NIP5025-R (both in Stainless steel)
 <p><b>COUPL1/2-F</b></p>	



### Fixed connection



With a fixed connection the lance is screwed right on the water gun.

### Quick release connection



To mount a lance on the water gun you have to attach a quick release coupler with protection. These water guns can also be ordered assembled.

<u>Reference</u>	<u>Material</u>
KLMLCP2-B	Brass
AKCLCP2-B	Chrome plated brass
AKRLCP2-B	Stainless steel
AKNLCP2-B	PA66 (plastic)

Now different types of lances can easily be exchanged. On the next pages different possible lances are shown.



### Technical data:

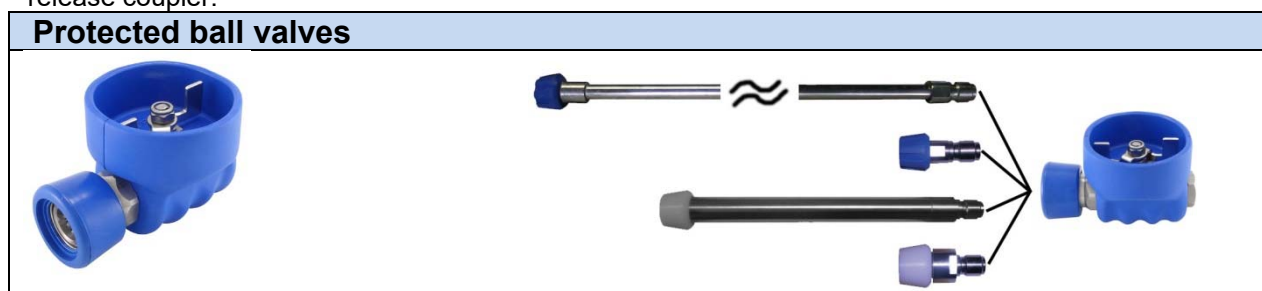
- Max. pressure: 24 bar (AKNLCP2-B 12 bar)
- Max temperature: 95 °C (AKNLCP2-B 50 °C)
- Bigger bore for better foam quality
- Automatic shut-off
- Mounted with st.st. quick release coupler with rubber protection (COUPL1/2-F-B)
- Easily exchange different lances for rinsing, disinfection and foaming
- Rugged EPDM covers
- Seals from EPDM (FDA) for brass and chrome plated brass (KLMLCP2-B & AKCLCP2-B) and PA66 (AKNLCP2-B)
- Seals from VITON suited for food (FDA) for st.st. (AKRLCP2-B)

Can be used for all foaming and cleaning purposes where lances are needed. Different kind of lances can be easily exchanged with the use of the quick release coupler. In comparison with ball valves, the water gun closes automatically when releasing the trigger handle.

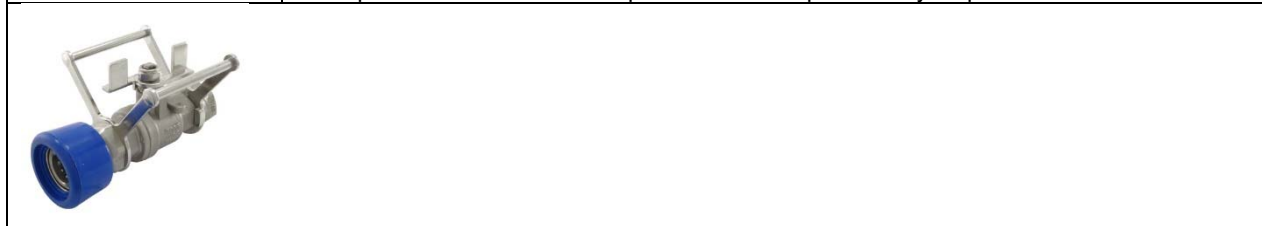




As an alternative for the water gun there are also 2 types of protected ball valves available with a quick release coupler.



Reference	Description
BALRCP1-B	St.st. protected ball valve with quick release coupler with rubber protection x 1/2" female
BALRCP1-NB	St.st. protected ball valve with quick release coupler with nylon protection x 1/2" female



Reference	Description
BARRCP2-B	St.st. mechanical protected ball valve with quick release coupler x 1/2" female

### Foam lance for fixed connection



Reference	Description
LANCM22-F	St.st. foam lance 22cm 2x 1/2" female
LANCM50-F	St.st. foam lance 50cm 2x 1/2" female



Reference	Description
LANCM22-N	St.st. foam lance 22cm 1/2" female x foam nozzle
LANCM50-N	St.st. foam lance 50cm 1/2" female x foam nozzle



Reference	Description
LANCM22-N-NW	St.st. foam lance 22cm 1/2" female x foam nozzle with protection
LANCM50-N-NW	St.st. foam lance 50cm 1/2" female x foam nozzle with protection

### Foam lance for quick release connection



Reference	Description
LANFA02	Foam lance with adapter





Reference	Description
ADAFN1/2-NR-NW	Adapter with foam nozzle and protection



Reference	Description
LANCM22-A	St.st. foam lance 22cm 1/2" female x adapter
LANCM50-A	St.st. foam lance 50cm 1/2" female x adapter



LANCM60-A	St.st. foam lance 60cm 1/2" female x adapter
	
<b>Reference</b>	<b>Description</b>
LANCM22-NA	St.st. foam lance 22cm adapter x foam nozzle
LANCM50-NA	St.st. foam lance 50cm adapter x foam nozzle
LANCM60-NA	St.st. foam lance 60cm adapter x foam nozzle
	
<b>Reference</b>	<b>Description</b>
LANCM22-NA-NW	St.st. foam lance 22cm adapter x foam nozzle with protection
LANCM50-NA-NW	St.st. foam lance 50cm adapter x foam nozzle with protection
LANCM60-NA-NW	St.st. foam lance 60cm adapter x foam nozzle with protection

### Rinsing/disinfection lances for quick release connection



<b>Reference</b>	<b>Description</b>
ADASN1/4-2530B	Adapter (short) with nozzle* NOZ2530 and blue EPDM rubber protection**
*different nozzle versions are available (see nozzle table)	



<b>Reference</b>	<b>Description</b>
ADAPN1/4-2530B	Adapter (long) with nozzle* NOZ2530 en blue EPDM rubber protection**
**these protections are available in the following colours: blue(B), red(R), yellow(Y), green(G), black(BL)	

### Rinsing lance for fixed or quick connection

**Material** : AISI 304  
**Connection** : 1/4" male thread  
**Max. pressure** : 400 bar  
**Max. temperature** : 150 °C



<b>Reference</b>	<b>Description</b>
LACX02	Lance 25cm; 1/4" male x 1/4" male
LACX06	Lance 60cm; 1/4" male x 1/4" male
LACX09	Lance 90cm; 1/4" male x 1/4" male
LACX12	Lance 120cm; 1/4" male x 1/4" male

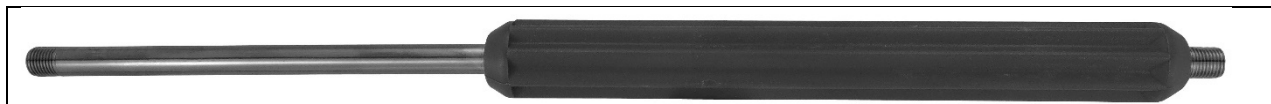


<b>Reference</b>	<b>Description</b>
LABX02	Lance 25cm; 1/4" male x 1/4" male with 15° bend
LABX05	Lance 50cm; 1/4" male x 1/4" male with 15° bend
LABX07	Lance 70cm; 1/4" male x 1/4" male with 15° bend
LABX09	Lance 90cm; 1/4" male x 1/4" male with 15° bend
LABX12	Lance 120cm; 1/4" male x 1/4" male with 15° bend

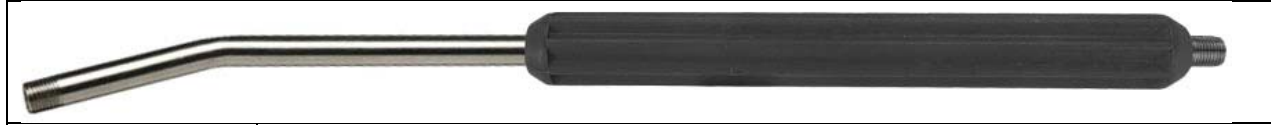


<b>Reference</b>	<b>Description</b>
LACB05	Insulated(blue) lance 50cm; 1/4" male x 1/4" male





Reference	Description
LACP07	Insulated(black) lance 70cm; 1/4" male x 1/4" male
LACP09	Insulated(black) lance 90cm; 1/4" male x 1/4" male
LACP12	Insulated(black) lance 120cm; 1/4" male x 1/4" male



Reference	Description
LABP07	Insulated(black) lance 70cm; 1/4" male x 1/4" male with 15° bend
LABP09	Insulated(black) lance 90cm; 1/4" male x 1/4" male with 15° bend

**The lances on the previous page can be assembled like this:**



For example, an insulated lance of 50cm with quick release adapter connection and nozzle 2560\* with blue EPDM protection gets the article code:  
**LACX05ASP2560**  
 (\*please specify which type of nozzle is required)

**Lance holder for foam and rinsing lances**



Reference	Description
REKBEN4	St.st. lance holder



## Nozzles

There are nozzles in various capacity (l/min) sizes and beam shapes. Standard on our rinsing lances we mount a nozzle with a spray angle of 25° and a capacity of 30 l/min. But also other nozzles are available. In the table below the most common nozzles are listed.



To choose the right nozzle the following data is important:

- What must be the type of beam (full beam or flat beam)
- What is the working pressure
- What is the wanted capacity in litres per minute

In the table below you can find you nozzle.

1/4" male		Capacity size	Capacity (liters per minute)																								
Spray angle			0,4	0,7	1,5	2	3	4	6	7	15	20	25	35	40	45	60	80	100	140	170	200					
0°	5°	15°	25°	40°	50°	65°																					
*	*	*	*	*	*	*	13	1,8	2,5	3,5	4	4,9	5,7	7,1	7,5	11	13,3	14,8	17,5	18,7	19,9	23	27	30	35	39	42
*	*	*	*	*	*	*	14	2	2,7	3,85	4,4	5,4	6,25	7,8	8,3	12,1	14,3	16	18,9	20	21	25	29	32	38	42	45
*	*	*	*	*	*	*	15	2,2	2,9	4,2	4,8	5,9	6,8	8,4	9	13,2	15,3	17,1	20	22	23	26	31	34	40	45	48
*	*	*	*	*	*	*	20	2,9	3,8	5,6	6,4	7,9	9,1	11,2	12,1	17,7	20	23	27	29	31	35	41	46	54	59	64
*	*	*	*	*	*	*	25	3,6	4,75	7	8,1	9,9	11,4	14	15,1	21,9	25	28	34	36	38	44	51	57	67	74	81
*	*	*	*	*	*	*	30	4,3	5,7	8,4	9,7	11,8	13,7	16,8	18,1	26	31	34	40	43	46	53	61	68	81	89	97
*	*	*	*	*	*	*	35	5,1	6,7	9,8	11,3	13,8	16,0	19,4	21,1	30,5	36	40	47	50	54	62	71	80	94	104	113
*	*	*	*	*	*	*	40	5,8	7,6	11,2	12,9	15,8	18,2	22	24	35	41	46	54	58	61	71	82	91	108	119	129
*	*	*	*	*	*	*	50	7,2	9,5	14	16,1	19,7	23	28	30	44	51	57	67	72	76	88	102	114	135	149	161
*	*	*	*	*	*	*	60	8,6	11,4	16,8	19,3	24	27	34	36	53	61	68	81	86	92	106	122	137	162	178	193
*	*	*	*	*	*	*	70	10,1	13,3	19,5	23	28	32	39	42	62	71	80	94	101	107	124	143	160	189	208	226
*	*	*	*	*	*	*	80	11,5	15,3	22	26	32	36	45	48	71	82	91	108	115	122	141	163	182	216	238	258
*	*	*	*	*	*	*	90	13,0	17,2	25	29	35,5	41	50,5	54	79,5	92	103	121	130	138	159	183	205	243	267	290

\* = Available      Ordering: Spray angle > 15°  
Working pressure > 7 bar  
Capacity you want > 30 liters per minute  
Capacity size number > 50      Article code: **NOZ1550**

## Nozzle protections

**Material:** Plastic according to EU regulation 1935/2004/EG  
**Connection:** In between nozzle and lance



Reference	Description
NOPRON1/4-B	Nylon nozzle protection 1/4", blue (NB)
NOPRON1/4-R	Nylon nozzle protection 1/4", red (NR)
NOPRON1/4-Y	Nylon nozzle protection 1/4", yellow (NY)
NOPRON1/4-G	Nylon nozzle protection 1/4", green (NG)
NOPRON1/4-BL	Nylon nozzle protection 1/4", black (NZ)
NOPRON1/4-W	Nylon nozzle protection 1/4", white (NW)
NOPRON1/4-GR	Nylon nozzle protection 1/4", grey (NGR)

**Material:** EPDM rubber  
**Connection:** Pushed over the nozzle



Reference	Description
NOPROT1/4-B	Rubber nozzle protection 1/4" bleu (PB)
NOPROT1/4-R	Rubber nozzle protection 1/4" red (PR)
NOPROT1/4-Y	Rubber nozzle protection 1/4" yellow (PY)
NOPROT1/4-G	Rubber nozzle protection 1/4" green (PG)
NOPROT1/4-BL	Rubber nozzle protection 1/4" black (PZ)



# Lightweight foam gun



## Properties

- Lightweight (660 grams)
- Very robust
- Glass fibre reinforced PA66 spray gun (FDA)
- EPDM rubber cover
- EPDM/VITON seals (FDA)
- Rotary plastic foam wand
- Stainless steel spring and axle
- Stainless steel control lever
- Fixed rubber grip
- Max. 12 bar 50 °C
- Connection ½" BSP female thread

Reference: AKNLFW2

## Generates excellent quality foam at low water pressure without air pressure

The performance is good from 2,5 bar and exceptional from 3,5 to 4 bar. De foam wand has a broad shaped exit and generates a broad foaming beam for efficient cleaning of larger surfaces. The same foam wand can be used to rinse the foamed surfaces.

The system is also available in two separate parts: a stainless steel, brass (chromium-plated) or a plastic wash down gun with a stainless steel quick release coupler, and a foam wand with a quick release adapter (see picture below).



LANFA02

- AKRLCP2-B Stainless steel
- AKCLCP2-B brass chromium-plated
- KLMLCP2-B brass
- AKNLCP2-B PA66



# Heavy duty spray gun with adapter output

**One Spray gun for:**  
 Foaming without compressed air  
 Rinsing with adjustable water beam  
 Connection to a gel/foam tank  
 Disinfecting, Lance spraying






Special quick release adapter outlet



**For use in:**  
 Food industry  
 Kitchen, fish and meat industry



Adjustable spray pattern

Picture	Reference	Description
	AKMNAP2-B	Brass water gun, with chrome plated adapter outlet, with protection, blue
	AKMNA02-B	Brass water gun, with chrome plated adapter outlet, blue
	AKNNA02-B	Water gun with glass reinforced PA66 body. Shaft with EPDM/VITON O-ring, and adapter outlet



**These water guns are compatible with:**

Picture	Reference	Description
	LANFC01 LANFRC1	Nylon foam lance with chrome plated coupler Nylon foam lance with st.st. coupler
	LANFC02	Foam wand with chrome plated brass coupler
	LANFC30 LANFC60 LANFC90	St.st. lance 30cm with chrome plated coupler and nylon foam lance St.st. lance 60cm with chrome plated coupler and nylon foam lance St.st. lance 90cm with chrome plated coupler and nylon foam lance
  <i>Protected nozzle</i>	LARC030 LARC060 LARC090 LARC200	St.st. rinsing lance 30cm with chrome plated coupler St.st. rinsing lance 60cm with chrome plated coupler St.st. rinsing lance 90cm with chrome plated coupler St.st. rinsing lance 200cm with chrome plated coupler
	TANKC01	Gel/foam tank, 1 litre with chrome plated coupler







# The protected Ball Valves



The multifunctional protected ball valve BALR (AISI 304) is covered with EPDM rubber. When dropped, the rubber protects not only the valve itself, but as well the tiles on the floor and wall. Because of this insulation the valve is also suitable for applications using hot water.

Both valves are protected from falling on the operating lever and can be used with multiple accessories for different applications.

Material: AISI 304		Max. pressure: 60 bar	Max. temperature: 95 °C
	<b>BALR001-B</b>	Protected ball valve in stainless steel (304); 2x 1/2" female.	
	<b>BALRCP1-B</b>	Protected ball valve in stainless steel (304); 1/2" female x quick release coupler with rubber protection.	
	<b>BALRCP1-NB</b>	Protected ball valve in stainless steel (304); 1/2" female x quick release coupler with nylon protection.	
Material: AISI 316		Max. pressure: 60 bar	Max. temperature: 95 °C
	<b>BARRCP2-B</b>	Mechanically protected ball valve in stainless steel (316); 1/2" female x quick release coupler with rubber protection.	

**Alternative:**

self-closing Stainless Steel (316) foam gun with quick release coupler (up to 25 bar for foaming and 20 bar for disinfecting)



























**AKRLCP2-B (see page 22-24)**





## Accessories for protected ball valves

The protected ball valves can be used in combination with the following accessories.

			
ADAPN1/2-F	NOZ50200 (50° spray angle; 200 l/min at 20 bar)	NOPRON1/2-W	ADAFN1/2-NR-NW
			
ADAPN1/4-F-S (short version)	NOZ2530 * (25° spray angle; 30 l/min at 20 bar)	NOPROT1/4-B **	ADASN1/4-2530B
			
ADAPN1/4-F (long version)	NOPRON1/4-R ***	NOZ4015 * (40° spray angle; 15 l/min at 20 bar)	ADAPN1/4-4015NR
			
LANCM22-A (22cm) LANCM50-A (50cm) LANCM60-A (60cm)	NOZ50200 (50° spray angle; 200 l/min at 20 bar)	NOPRON1/2-W	LANCM22-NA-NW (22cm) LANCM50-NA-NW (50cm) LANCM60-NA-NW (60cm)
			
LACX02AS (25cm) LACX06AS (60cm) LACX09AS (90cm) LACX12AS (120cm)	NOZ1530 * (15° spray angle; 30 l/min at 20 bar)	NOPROT1/4-G **	LACX02ASPG1530 (25cm) LACX06ASPG1530 (60cm) LACX09ASPG1530 (90cm) LACX12ASPG1530 (120cm)
			
LACP07 (70cm) LACP09 (90cm) LACP12 (120cm)	NOPRON1/4-BL ***	NOZ0030 * (0° spray angle; 30 l/min at 20 bar)	LACP07ASNZ0030 (70cm) LACP09ASNZ0030 (90cm) LACP12ASNZ0030 (120cm)

\* St.st. nozzle with 1/4" male thread (see page 28)

\*\* EPDM rubber 1/4" nozzle protection in different colors (see page 28)

\*\*\* Nylon 1/4" nozzle protection in different colors (see page 28)



## Plastic shower

Ergonomic shaped lightweight shower for rinsing, vegetables, fish and work tables in the food- and food producing industry etc. Also for rinsing applications in large kitchens. The body is made from durable plastic with Stainless Steel internal valve. The seals are made of EPDM (FDA).



Reference: AKKS003-B

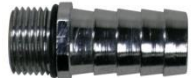
### Technical specifications:

	AKKS003-B	AKKS003-W
<b>Body</b>	PA66 (FDA)	PA66 (FDA)
<b>Seals</b>	EPDM (FDA)	EPDM (FDA)
<b>Max. pressure</b>	8 bar	8 bar
<b>Max. temp.</b>	80 °C	80 °C
<b>Weight</b>	260 g	260 g
<b>Connection</b>	½" BSP female	½" BSP female



Reference: AKKS003-W

### Matching hose tails in chrome plated brass with EPDM O- ring (to be ordered separately):

	Article code	Description
	MESC013	13mm x ½" male
	MESC016	16mm x ½" male
	MESC019	19mm x ½" male

## Water/air pistol



Reference: AKAWLU1-B

### Technical specifications:

<b>Body / trigger</b>	aluminium
<b>Hose tails</b>	bras
<b>Nozzle</b>	plastic
<b>Max. pressure</b>	5 bar
<b>Connection</b>	2x 10mm hose tails



# Water saving spray head

The low flow spray head is a professional cleaning gun, which is ideal for longer cleaning jobs with a powerful jet and an economical use of water. With the rotatable head you can accurately set the spray angle and then spray for a long time without effort.

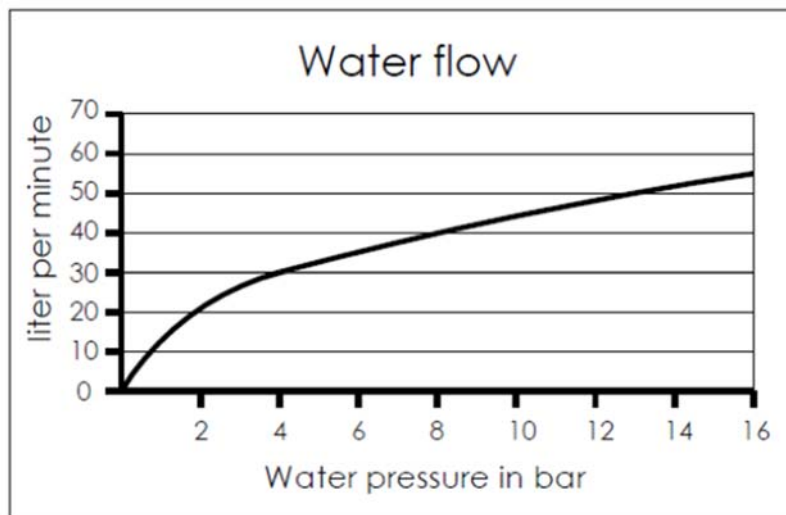


## Product references

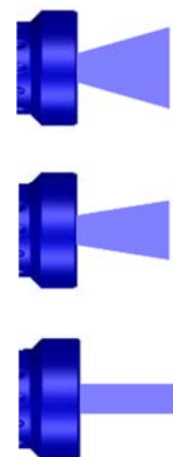
Brass versions : **AKMSHHL1-BL** (head only) or **AKMSHL1-B** (head with blue grip)  
 Stainless steel versions : **AKRSHHL1-BL** (head only) or **AKRSHL1-B** (head with blue grip)

## Specifications

Characteristic	AKMSHL1-B	AKRSHL1-B
Weight	550 gram	525 gram
Dimensions (L x D)	195 x 50 mm	195 x 50 mm
Materials of head	Brass (H59-3) and POM	Stainless steel (AISI 304) and POM
Materials of grip	Brass (H59-3) and EPDM	Stainless steel (AISI 304) and EPDM
Material of screw	Stainless steel (AISI 304)	Stainless steel (AISI 304)
Maximum pressure	16 bar	16 bar
Maximum temperature	80 °C	80 °C
Connection head	½" BSPP male	½" BSPP male
Connection grip	½" BSPP female	½" BSPP female



Flow-pressure diagram



Adjustable spray pattern

## Applications

Cleaning of machines, animals and floors, e.g. in agriculture, riding schools, in the food industry, etc.



# Heavy Duty spray Heads

For cleaning with cold or warm water, with adjustable pattern.

The water pattern is adjustable by turning the head. To save water the nozzles can be totally closed as well by turning the head.



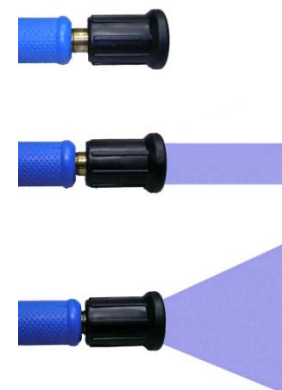
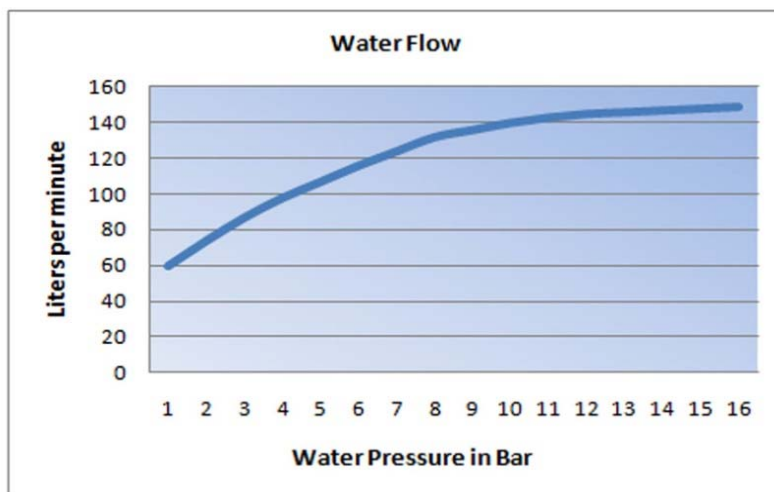
### Brass:

**AKMSH03-B** Blue  
**AKMSH03-R** Red  
**AKMSH03-W** White  
**AKMSHH4-BL** Head black

### Stainless Steel:

**AKRSH03-B** Blue  
**AKRSH03-R** Red  
**AKRSHW3-W** White  
**AKRSHH4-BL** Head black (FDA)  
**AKRSHH4-W** Head white (FDA)

All bold printed items are ex. stock available



*Adjustable pattern  
turn able head*

### Technical data:

- Brass or stainless-steel housing
- Max. pressure 16 Bar
- Max. temperature 80 °C
- Inlet ½" BSP female
- Adjustable beam pattern
- Can be closed by means of the spray head
- Weight about 500g
- Covers of EPDM rubber
- EPDM seals (FDA)

### Typical applications:

- Process Industry
- Abattoirs
- Meat and fish industry
- Food processing
- Breweries
- Beverage industry
- Industrial kitchens
- Dairy industry



## Lightweight Spray Head

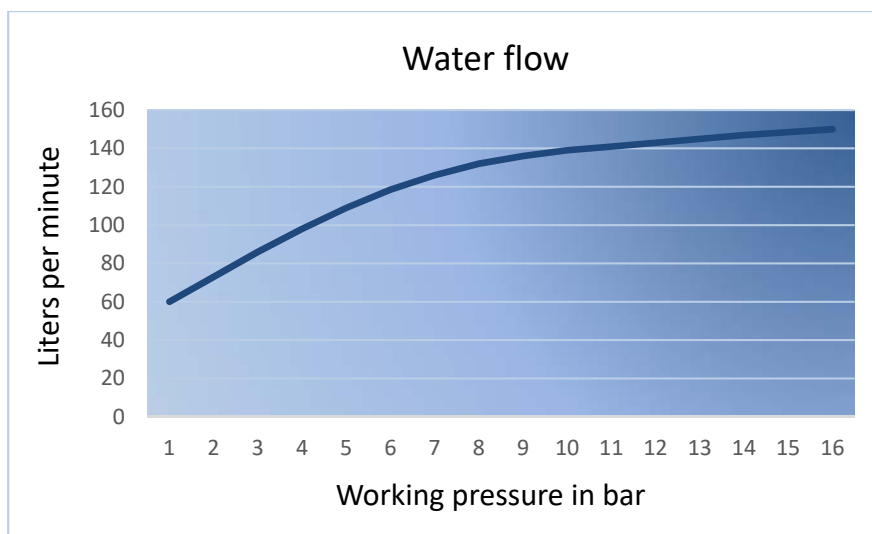


**Reference: AKNSH01-B**

The lightweight spray head is a strong, easy to handle tool for cleaning and rinsing at high maximum flow. It will be positioned next to our full metal heavy duty spray heads and is meant for users for whom a lighter weight and/or lower cost is more important than the strength of the product.

### **Technical specifications:**

- Only 260 gram in weight
- Length 239 mm
- Comfortable ergonomically shaped grip
- Grip and head made from polypropylene in blue colour
- Nozzle made from brass
- Maximum pressure 10 bar
- Maximum temperature 50 °C
- Adjustable spray pattern from wide (soft) to narrow (strong)
- The spray head can be closed completely by turning the head
- Connection 3/4" BSP male



# Twister series spray heads

The Twister series spray heads are professional cleaning nozzles, which are ideal for cleaning large surfaces/objects in a short time. With the rotatable head you can open/close the nozzle, accurately set the spray angle and then spray without effort.

They are available in three sizes. From large to small they are successively the Twister XL with a 1" connection, the Twister L with a 3/4" connection and the Twister M with a 1/2" connection.



Ref. TWRWR01XL

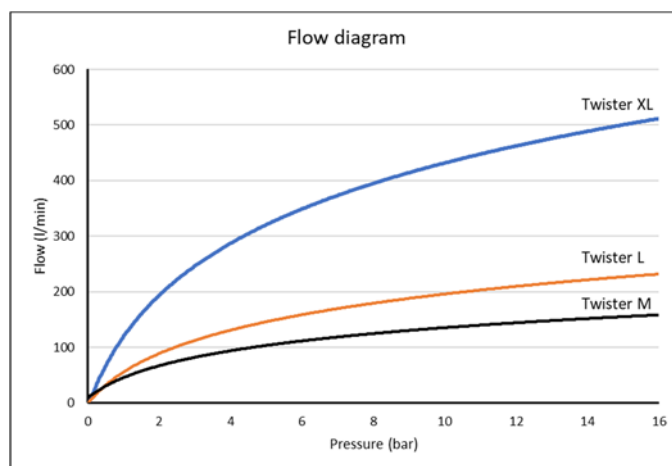


Ref. TWRWR01L

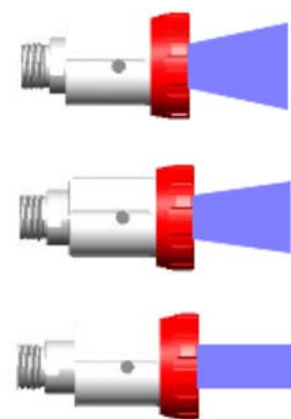


Ref. TWRWR01M

Specifications	TWRWR01XL	TWRWR01L	TWRWR01M
Weight	800 gr.	460 gr.	320 gr.
Dimensions (L x D)	120 x 79 mm	108 x 63 mm	105 x 55 mm
Materials	St.st. (AISI 304), POM, EPDM	St.st. (AISI 304), POM, EPDM	St.st. (AISI 304), POM, EPDM
Material of screw	St.st. (AISI 304)	St.st. (AISI 304)	St.st. (AISI 304)
Max. pressure	16 bar	16 bar	16 bar
Max. temperature	60 °C	60 °C	60 °C
Connection	1" BSPP male, 60° conical seal	¾" BSPP male, 60° conical seal	½" BSPP male, 60° conical seal



Flow diagram



Adjustable spray pattern

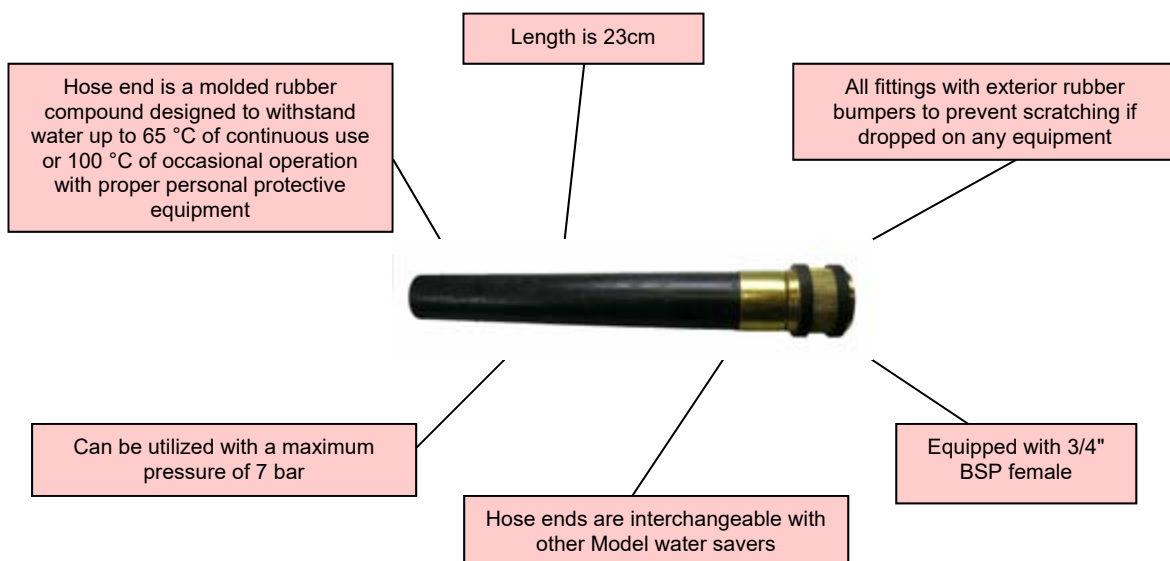
## Applications




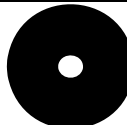
Truck cleaning, ship cleaning, tank cleaning, yard cleaning, etc.



# The Water Saver

Save money by saving water. All of these units can be used on tempered hot or cold water lines that need never be shut off. The water will only pass through the unit when pressure is applied to the hose end (see pictures). By this design, consumption can be reduced substantially.



Article code brass versions:			
AKWMS01	AKWMM01	AKWML01	AKWMR01
Article code stainless steel (304) versions with FDA rubber:			
AKWRS01	AKWRM01	AKWRL01	AKWRR01
			
<b>Model S:</b> flat beam spray pattern flow at 4,5 bar = 13 l/min	<b>Model M:</b> big flow Ø 13mm flow at 4,5 bar = 23 l/min	<b>Model L:</b> medium flow Ø 9mm flow at 4,5 bar = 23 l/min	<b>Model R:</b> less flow Ø 4,5mm flow at 4,5 bar = 17 l/min



# Blue Nozzle

The unique and economical water sprayer for industrial use



Product code: BWNM045

## Operation

The Blue Nozzle fits comfortably in your hand and can be easily operated with your thumb. By bending the rubber spout with your thumb the valve opens and water sprays from the nozzle. The further you bend the spout, the more powerful the water flow. One can therefore clean objects from very strongly to very carefully.

Because of the simplicity of the design and the materials used, the Blue Nozzle is virtually indestructible. One can stamp on it and drive over it with heavy equipment without affecting the operation.

## Specifications

- Available with 3/4" BSP female thread and flat seal
- Maximum water pressure 10 bar
- Maximum water temperature 65 °C
- Capacity: 13,5 l/min at 2,5 bar
- The nozzle is made from EPDM rubber in blue colour
- The fittings are made of brass
- The length is 230 mm
- The diameter is 45 mm
- The weight is 280 grams





# AGIL572 Light duty water gun

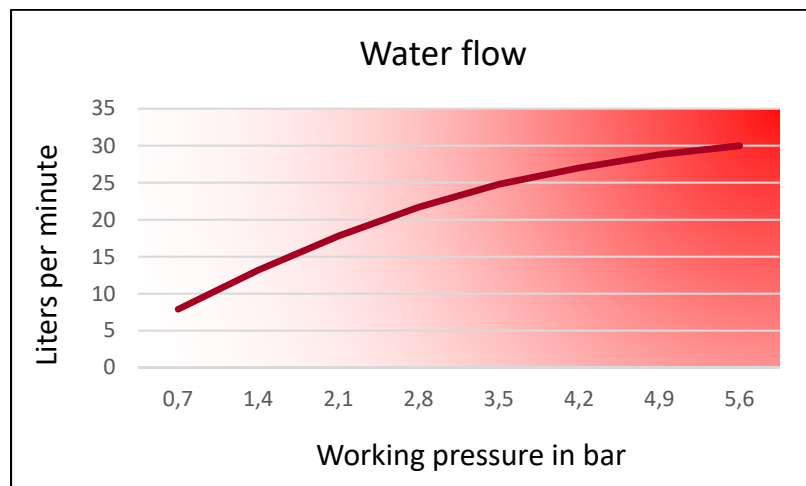


### Features:

- Full size, chrome plated zinc body
- Insulated Moulded grip for spraying hot or cold water
- Ideal for commercial or industrial use
- Brass head insert for maximum resistance to hot water
- Male hose threaded front for attaching accessories
- Solid brass valve stem with permanent adjusting nut
- Hold open clip for continuous spraying
- Stainless steel spring
- Max. pressure: 7 bar (100psi)
- Min. burst pressure: 30 bar (400psi)

Reference: AGIL572

Water flow	
bar	Full beam l/min
0,7	7,9
1,4	13,2
2,1	17,8
2,8	21,7
3,5	24,8
4,2	27,0
4,9	28,8
5,6	30,0



# High pressure water gun and lance



## Technical specifications high pressure water gun:

Material: Brass / Plastic  
 Inlet: 3/8" female thread  
 Outlet: Quick release coupler  
 Max. pressure: 310 bar  
 Max. temp.: 150 °C  
 Max. flow: 30 l/min

## Technical specifications high pressure lance:

Material: Stainless steel / Plastic  
 Inlet: Adapter for quick release coupler  
 Outlet: 1/4" female thread  
 Max. pressure: 280 bar  
 Max. temp.: 150 °C  
 Max. flow: 40 l/min

## Article code:

<b>HDRPIST</b>	High pressure water gun
<b>HDRL070</b>	St.st. lance 70cm without nozzle
<b>HDRL090</b>	St.st. lance 90cm without nozzle
<b>HDRL120</b>	St.st. lance 120cm without nozzle
<b>HDRL070-2506</b>	St.st. lance 70cm with nozzle
<b>HDRL090-2506</b>	St.st. lance 90cm with nozzle
<b>HDRL120-2506</b>	St.st. lance 120cm with nozzle
<b>HDR1070-2506</b>	Water gun with 70cm lance and 2506 nozzle
<b>HDR1090-2506</b>	Water gun with 90cm lance and 2506 nozzle
<b>HDR1200-2506</b>	Water gun with 120cm lance and 2506 nozzle
<b>NOZ2506</b>	St.st. nozzle spray angle 25° ; capacity: 100 bar = 14 l/min; 200 bar = 19 l/min

*(other nozzle available from stock)*



3/8" female thread

## OPTIONAL



## HDRSWIV-3/8

High pressure nickel plated brass swivel 3/8" male x 3/8" female (max. 350 bar / 90 °C)

*(Also available in st.st. HDRSWIV-3/8-R)*



# AKBO ball bearing swivels




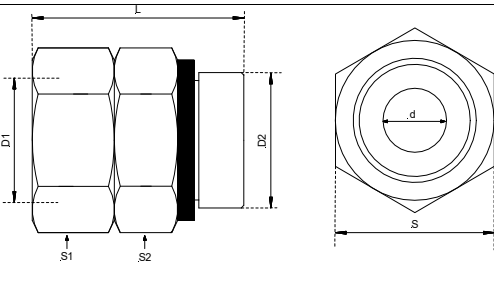
The ball bearing swivels are available in brass, chrome plated brass and in full stainless steel (316).

In case of using a water gun with a fixed hose tail, the ball bearing swivel will improve the users comfort and the water hose's life time.


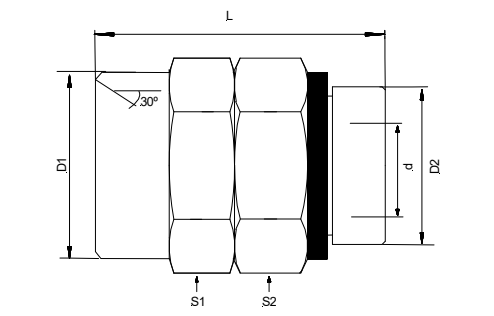
All brass swivels have EPDM (FDA) seals, all stainless steel swivels have VITON (FDA) seals.

These swivels are for the low pressure environment and can take up to 30 bar / 95 °C.

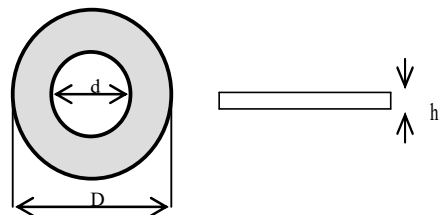
## Male / Female

								
Brass	Chrome plated	Stainless steel	<b>Measurements</b>					
L	d	D1	D2	S1	S2			
SWM09-1/2	SWC09-1/2	SWR09-1/2	40	9	1/2"	1/2"	27	27
SWM09-3/4	SWC09-3/4	SWR09-3/4	40	9	3/4"	1/2"	30	27
SWM14-3/4		SWR14-3/4	59	14	3/4"	1/2"	30	27
SWM12-3/4x3/4		SWR12-3/4x3/4	40	12	3/4"	3/4"	30	30
SWM18-1x1		SWR18-1x1	49	18	1	1	36	36

## Male / Male

								
On demand								
L	d	D1	D2	S1	S2			
SWM09-1/2Mx1/2M		SWR09-1/2Mx1/2M	46	9	1/2"	1/2"	27	27
SWM09-1/2Mx3/4M		SWR09-1/2Mx3/4M	48	9	3/4"	1/2"	27	27

## Flat seals









EPDM (FDA)	VITON (FDA)	d (mm)	D (mm)	h (mm)	
<i>Male side</i>					
SWSEM 1/2	SWSVM 1/2	17	26	2	
SWSEM 3/4	SWSVM 3/4	23,5	32	2	
<i>Female side</i>					
SWSEF 1/2	SWSVF 1/2	11	23	2	
SWSEF 3/4	SWSVF 3/4	15	27	2	

All bold printed items are ex. Stock available. Other dimensions on request.



# Swivelling hose tails

The swivelling hose tails in Stainless Steel can be used for a swivelling connection between a flexible hose and a spray gun for more comfort in use and longer life of the hoses. Hose tails available in 10mm, 13mm, 16mm and 19mm. The brass versions are equipped with EPDM (FDA) seals and the stainless-steel ones with VITON (FDA) seals. The swivelling hose tails are for the low-pressure environment and can take up to 40 bar.

Up to 24 bar	Reference	Description
	<b>SWIFM1/2</b>	Brass swivelling hose tail 13mm, 1/2" male thread, max. pressure 24 bar
	<b>SWIFR1/2</b>	Stainless steel 316 swivelling hose tail 13mm, 1/2" male thread, max. pressure 24 bar
<b>Up to 40 bar</b>		
	<b>SWIFB10</b>	Stainless Steel 316 swivelling hose tail 10mm x 1/2" male thread, max. pressure 40 bar
	<b>SWIFB13-C17</b>	Stainless Steel 316 swivelling hose tail 13mm x 1/2" male thread and 17mm collar, max. pressure 40 bar
	<b>SWIFB13-C20</b>	Stainless Steel 316 swivelling hose tail 13mm x 1/2" male thread and 20mm collar, max. pressure 40 bar
	<b>SWIFB16-C21</b>	Stainless Steel 316 swivelling hose tail 16mm x 1/2" male thread and 21mm collar, max. pressure 40 bar
	<b>SWIFB19-C24</b>	Stainless Steel 316 swivelling hose tail 19mm x 1/2" male thread and 24mm collar, max. pressure 24 bar
	<b>SWIFB19-C24-34</b>	Stainless Steel 316 swivelling hose tail 19mm x 3/4" male thread and 24mm collar, max. pressure 40 bar

### The inside-hose-protection-spring


For the most common dimensions of these swivelling hose tails, versions with welded-on inside-hose-protection-spring are available. This spring ensures that the hose does not kink at the side of the gun and also improves the life of the hose.



*Without spring*



*With spring*

	<b>SWIFB13-C17-SP</b>	Stainless Steel swivelling hose tail 13mm x 1/2" male thread and 17mm collar; with spring(20cm)
	<b>SWIFB13-C20-SP</b>	Stainless Steel swivelling hose tail 13mm x 1/2" male thread and 20mm collar; with spring(20cm)
	<b>SWIFB16-C21-SP</b>	Stainless Steel swivelling hose tail 16mm x 1/2" male thread and 21mm collar; with spring(20cm)
	<b>SWIFB19-C24-SP</b>	Stainless Steel swivelling hose tail 19mm x 1/2" male thread and 24mm collar; with spring(20cm)


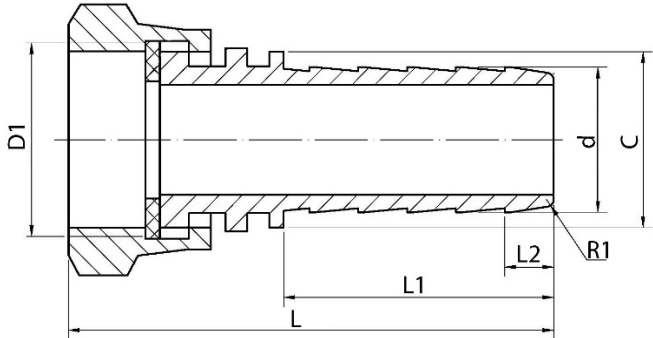

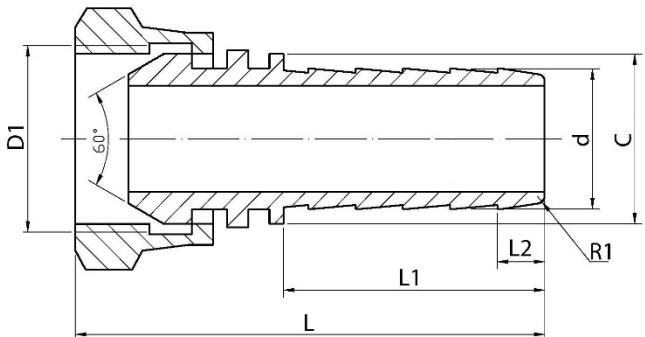


# Stainless steel hose tails with screw cap

AKBO supplies a practical series of stainless steel (316) hose tails in different sizes, some which are difficult to find in the market. Some examples:


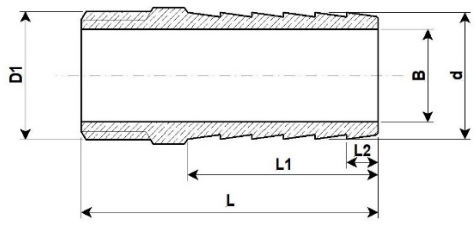

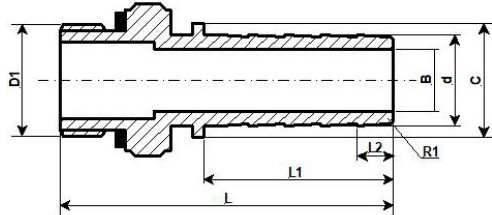



- 13 mm tail with 3/4" female thread
- 19 mm tail with 1" female thread
- 25 mm tail with 1" female thread

The hose tails are available with 60° conical seal and with flat seal. All hose tails do have a high-quality finish with a rounded edge at the end of the hose tail to prevent any damage to the hose.

<b>Material : AISI 316</b> <b>Seal : VITON Flat seal</b>						
						
<b>Article code</b>	<b>d(mm)</b>	<b>D1(BSP)</b>	<b>C(mm)</b>	<b>L(mm)</b>	<b>L1(mm)</b>	<b>L2(mm)</b>
RVSW13C17-34F	13,6	3/4"	17,0	60,5	31,0	6,7
RVSW13C20-12F	13,6	1/2"	20,0	60,5	31,0	6,7
RVSW13C20-34F	13,6	3/4"	20,0	60,5	31,0	6,7
RVSW19C24-34F	19,8	3/4"	24,0	66,5	37,0	6,7
RVSW19C24-1F	19,8	1"	24,0	66,5	37,0	6,7
<b>Material : AISI 316</b> <b>Seal : 60° Conical seal</b>						
						
<b>Article code</b>	<b>d(mm)</b>	<b>D1(BSP)</b>	<b>C(mm)</b>	<b>L(mm)</b>	<b>L1(mm)</b>	<b>L2(mm)</b>
RVSW13C17-12C	13,6	1/2"	17,0	60,5	31,0	6,7
RVSW13C20-12C	13,6	1/2"	20,0	60,5	31,0	6,7
RVSW19C24-34C	19,8	3/4"	24,0	66,5	37,0	6,7
RVSW19C24-1C	19,8	1"	24,0	69,5	37,0	6,7
RVSW25C36-1C	25,0	1"	36,0	69,5	40,0	6,7



# Hose tails

Material : Brass							
							
Article code	d(mm)	D1(BSP)	B(mm)	L(mm)	L1(mm)	L2(mm)	
MESS013	14,0	1/2"	10,0	48,0	30,0	5,0	
MESS019	20,4	1/2"	15,0	48,0	30,0	5,0	
MESS019-3/4T	20,4	3/4" (BSPT)	15,0	61,0	38,0	5,4	
MESS025	25,0	1/2"	19,8	58,0	37,0	3,0	
Material : AISI 316 Seal : VITON							
							
Article code	d(mm)	D1(BSP)	B(mm)	C(mm)	L(mm)	L1(mm)	L2(mm)
RVST013-C17	13,6	1/2"	9,0	17,0	58,5	31,0	6,7
RVST013-C17-SP *	13,6	1/2"	9,0	17,0	58,5	31,0	6,7
RVST013-C20	13,6	1/2"	9,0	20,0	58,5	31,0	6,7
RVST013-C20-SP *	13,6	1/2"	9,0	20,0	58,5	31,0	6,7
RVST016-C21	16,8	1/2"	11,5	21,0	62,2	35,0	6,8
RVST016-C21-SP *	16,8	1/2"	11,5	21,0	62,2	35,0	6,8
RVST019-C24	19,8	1/2"	14,0	24,0	66,3	39,0	6,8
RVST019-C24-SP *	19,8	1/2"	14,0	24,0	66,3	39,0	6,8
RVST025	25,1	1/2"	14,0	-	58,3	38,0	3,0
* Hose tail with flexible inside hose protection spring							
							
							
Hose with normal hose tail				Hose with hose tail with inside hose protection spring			




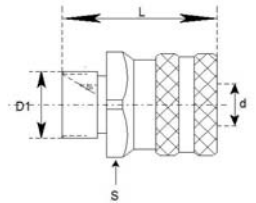

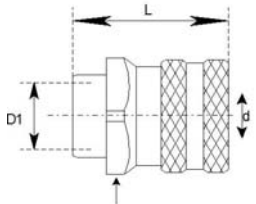




# St. St. quick release couplers and adapters

The stainless steel quick release couplers and adapters simplify the connection of water guns and hoses, Lances and other accessories. The EPDM rubber protections, available in different colours, will avoid damage of the couplers and the floors when dropping on the floor.


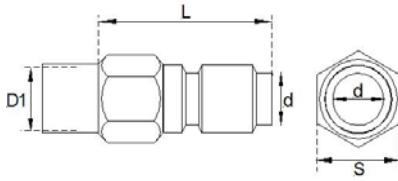

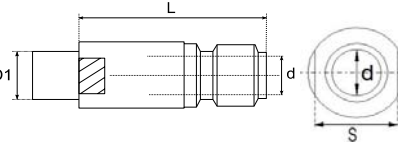

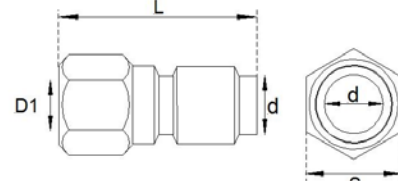

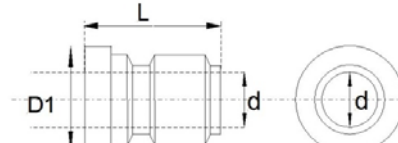

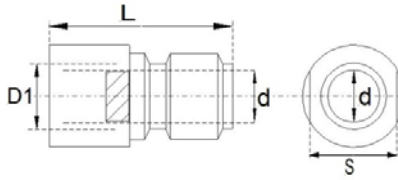

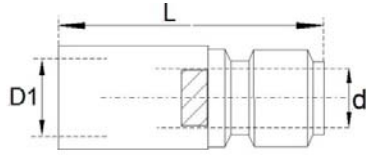

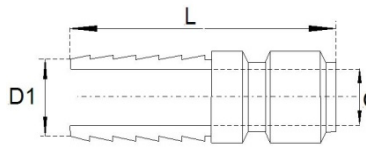


### Technical specifications

Body/Ring	: AISI 303
Spring/safety ring	: AISI 301
Balls	: AISI 316L
Seals	: VITON (FDA)
Max. pressure	: 200 bar
Max. temperature	: 100 °C

Quick release couplers		Reference	L (mm)	d (mm)	D1 (BSP)	S (mm)
 <b>COUPL3/8-M</b> <b>COUPL1/2-M</b>		COUPL3/8-M	49,5	10,0	3/8" M	30
		COUPL1/2-M	49,5	11,8	1/2" M	30
 <b>COUPL1/4-F</b> <b>COUPL3/8-F</b> <b>COUPL1/2-F</b> <b>COUPL3/4-F</b>		COUPL1/4-F	44,0	11,8	1/4" F	30
		COUPL3/8-F	44,0	11,8	3/8" F	30
		COUPL1/2-F	44,0	11,8	1/2" F	30
		COUPL3/4-F	44,0	11,8	3/4" F	32
 <b>COPROT1-B (blue)</b> <b>COPROT1-BL (black)</b> <b>COPROT1-Y (yellow)</b>  <i>EPDM protection for COUPL... series couplers</i>	 <b>COUPL1/2-F-B</b>  <i>(COUPL1/2-F + COPROT1-B)</i>	 <b>COPRON2-B</b>  <i>NYLON protection for COUPL... series couplers</i>	 <b>COUPL1/2-NB</b>  <i>(COUPL1/2-M + COPRON2-B)</i>			



Adapter		Reference	L (mm)	d (mm)	D1 (BSP)	S (mm)
 <b>ADAPT3/8-M</b> <b>ADAPT1/2-M</b>		ADAPT3/8-M	39,0	10,4	3/8" M	22
		ADAPT1/2-M	39,8	11,8	1/2" M	22
 <b>ADAPN1/4-M</b>		ADAPN1/4-M	42,0	8,0	1/4" M	16
 <b>ADAPT1/4-F</b> <b>ADAPT1/2-F</b>		ADAPT1/4-F	40,3	11,8	1/4" F	22
		ADAPT1/2-F	49,3	11,8	1/2" F	27
 <b>ADAPW-11,5</b>		ADAPW-11,5	30,0	11,5	19,9m m	-
 <b>ADAPN3/8-F</b> <b>ADAPN1/2-F</b>		ADAPN3/8-F	42,0	11,5	3/8" F	19
		ADAPN1/2-F	42,0	11,5	1/2" F	22
 <b>ADAPN1/4-F</b> <b>ADAPN1/4-F-S</b>		ADAPN1/4-F	55,2	11,5	1/4" F	17
		ADAPN1/4-F-S	40,3	11,5	1/4" F	17
 <b>ADAPH13</b> <b>ADAPH16</b> <b>ADAPH19</b>		ADAPH13	57,5	10,0	D1 (mm)	
		ADAPH16	64,0	10,0	12,8 – 13,3	
		ADAPH19	65,2	10,0	15,8 – 16,8	




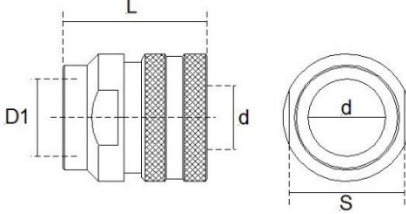

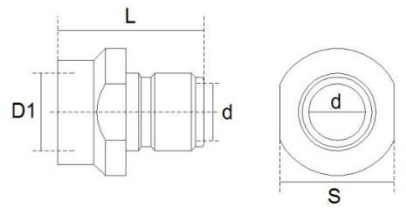

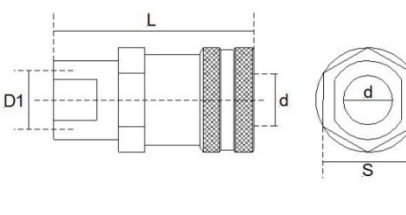

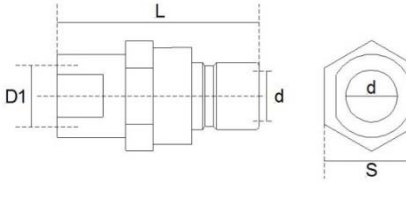


# Stainless steel couplers and adapters DN20

This series of couplers and adapters with big bore, 18mm, exist besides the standard version also with non-return valve for as well the coupler as for the adapter. The valve of the coupler can be opened with a standard adapter. However the valve of the adapter can only be opened with the coupler with valve.



Technical specifications	
Material	: AISI 303
Max. pressure	: 80 bar
Max. temperature	: 100 °C
Seals	: COUP20V-1/2F : VITON
	: ADAP20V-1/2F : VITON
	: COUP200-3/4F : NBR

Quick release coupler and adapters DN20																	
 <b>COUP200-3/4F</b>		COUP200-3/4F : Coupler with 3/4" female															
		<table border="1"> <thead> <tr> <th>Reference</th> <th>L</th> <th>d</th> <th>D1</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>COUP200-3/4F</td> <td>45,0</td> <td>20,0</td> <td>3/4"</td> <td>36</td> </tr> </tbody> </table>	Reference	L	d	D1	S	COUP200-3/4F	45,0	20,0	3/4"	36	<i>L, d, D1 en S in mm</i>				
Reference	L	d	D1	S													
COUP200-3/4F	45,0	20,0	3/4"	36													
 <b>ADAP200-1/2F</b> <b>ADAP200-3/4F</b>		ADAP200-1/2F : Adapter with 1/2" female ADAP200-3/4F : Adapter with 3/4" female															
		<table border="1"> <thead> <tr> <th>Reference</th> <th>L</th> <th>d</th> <th>D1</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>ADAP200-1/2F</td> <td>46,0</td> <td>18,0</td> <td>1/2"</td> <td>26</td> </tr> <tr> <td>ADAP200-3/4F</td> <td>46,0</td> <td>18,0</td> <td>3/4"</td> <td>36</td> </tr> </tbody> </table>	Reference	L	d	D1	S	ADAP200-1/2F	46,0	18,0	1/2"	26	ADAP200-3/4F	46,0	18,0	3/4"	36
Reference	L	d	D1	S													
ADAP200-1/2F	46,0	18,0	1/2"	26													
ADAP200-3/4F	46,0	18,0	3/4"	36													
<b>Also fits with COUP20V-1/2F</b>																	
Quick release coupler and adapters DN20 with valve																	
 <b>COUP20V-1/2F</b>		COUP20V-1/2F : Coupler with valve, 1/2" female															
		<table border="1"> <thead> <tr> <th>Reference</th> <th>L</th> <th>d</th> <th>D1</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>COUP20V-1/2F</td> <td>76,7</td> <td>20,0</td> <td>1/2"</td> <td>36</td> </tr> </tbody> </table>	Reference	L	d	D1	S	COUP20V-1/2F	76,7	20,0	1/2"	36	<i>L, d, D1 en S in mm</i>				
Reference	L	d	D1	S													
COUP20V-1/2F	76,7	20,0	1/2"	36													
 <b>ADAP20V-1/2F</b>		ADAP20V-1/2F : Adapter with valve, 1/2" female															
		<table border="1"> <thead> <tr> <th>Reference</th> <th>L</th> <th>d</th> <th>D1</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>ADAP20V-1/2F</td> <td>76,7</td> <td>18,0</td> <td>1/2"</td> <td>36</td> </tr> </tbody> </table>	Reference	L	d	D1	S	ADAP20V-1/2F	76,7	18,0	1/2"	36	<i>L, d, D1 en S in mm</i>				
Reference	L	d	D1	S													
ADAP20V-1/2F	76,7	18,0	1/2"	36													
<b>Does not fit COUP200-3/4F</b>																	


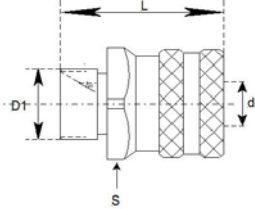
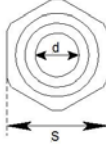

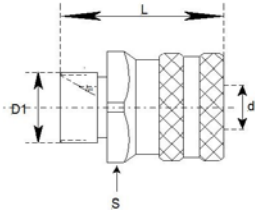
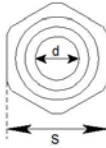

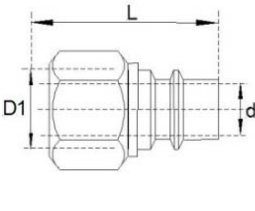
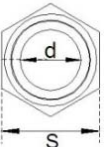

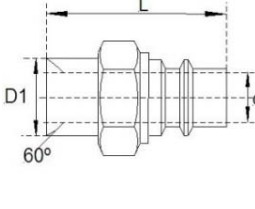
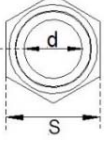


# St. St. quick release couplers and adapters ("Snap-Tite" compatible)

These stainless steel quick release couplers and adapters are compatible with "Snap-Tite" couplers, and simplify the connection of water guns and hoses, lances and other accessories. The male threaded parts have conical sealing possibility.



Technical Specifications	
Body/ring	: AISI 303
Spring/locking ring	: AISI 301
Balls	: AISI 420
Seal	: VITON (FDA)
Max. pressure	: 200 bar
Max. temperature	: 100 °C

Quick Release Couplings							
 <b>COUSB1/2-M</b>			COUSB1/2-M : Quick release coupler 1/2" BSP male				
			<b>Reference</b>	<b>L</b>	<b>d</b>	<b>D1</b>	<b>S</b>
			COUSB1/2-M	47,0	11,0	1/2"	30,0
<i>L, d and S in mm</i>							
 <b>COUSB1/2-F</b>			COUSB1/2-F : Quick release coupler 1/2" BSP female				
			<b>Reference</b>	<b>L</b>	<b>D</b>	<b>D1</b>	<b>S</b>
			COUSB1/2-F	41,4	16,0	1/2"	30,0
<i>L, d and S in mm</i>							
Adapters							
 <b>ADSNB1/2-F</b>			ADSNB1/2-F : Adapter 1/2" BSP female				
			<b>Reference</b>	<b>L</b>	<b>d</b>	<b>D1</b>	<b>S</b>
			ADSNB1/2-F	37,5	11,8	1/2"	27
<i>L, d and S in mm</i>							
 <b>ADSNB1/2-M</b>			ADSNB1/2-M : Adapter 1/2" BSP male				
			<b>Reference</b>	<b>L</b>	<b>D</b>	<b>D1</b>	<b>S</b>
			ADSNB1/2-M	45,3	11,8	1/2"	22
<i>L, d and S in mm</i>							








# NITO water couplers


## Technical specifications:

	Brass chrome plated	St. St. (AISI 316L)
Seal	Nitrile	VITON
Max. press.	25 bar	25 bar
Temperature	-30 °C tot +100 °C	-20 °C tot +150 °C



• 1/2" SERIES			
Picture	Ref. Brass	Ref. St.St.	Description
	AK53500A3 AK53520A3 AK5352GA3	AK54500A3 AK54520A3	NITO 1/2" coupler with 1/2" BSP female + flat seal NITO 1/2" coupler with 3/4" BSP female + flat seal NITO 1/2" coupler with 1/2" + 3/4" female BSP + M22x1 female + flat seal
	AK5350NA3 AK5352NA3	AK5450NA3	NITO 1/2" coupler with 1/2" BSP male NITO 1/2" coupler with 3/4" BSP male
	AK5349SA3 AK5350SA3 AK5350CA5 AK5351SA3	AK5450SA3	NITO 1/2" coupler with 3/8" hose tail NITO 1/2" coupler with 1/2" hose tail NITO 1/2" coupler with 5/8" hose tail NITO 1/2" coupler with 3/4" hose tail
	AK5353RA3 AK53530A3	AK54530A3	NITO 1/2" coupler with valve and 1/2" + 3/4" BSP female NITO 1/2" coupler with valve and 3/4" BSP female
	AK5353NA3		NITO 1/2" coupler with valve and 1/2" BSP male
	AK5353SA3 AK5354SA3	AK5453SA3	NITO 1/2" coupler with valve and 1/2" hose tail NITO 1/2" coupler with valve and 3/4" hose tail
	AK5361BA3 AK53610A3 AK5361AA3 AK53620A3 AK5361GA3	AK54610A3 AK5461AA3	NITO 1/2" adapter with 3/8" BSP female + flat seal NITO 1/2" adapter with 1/2" BSP female + flat seal NITO 1/2" adapter with 3/4" BSP female + flat seal NITO 1/2" adapter with M22x1 female + flat seal NITO 1/2" adapter with 1/2" + 3/4" BSP and M22x1 female+ flat seal
	AK53611A3	AK54611A3	NITO 1/2" adapter with 1/2" BSP male + O-ring







Picture	Ref. Brass	Ref. St.St.	Description
	AK5364BA3 AK53640A3 AK5364AA3 AK5366AA3 AK5364NA3	AK54615A3	NITO 1/2" adapter with 3/8" BSP male NITO 1/2" adapter with 1/2" BSP male NITO 1/2" adapter with 3/4" BSP male NITO 1/2" adapter with M24x1 male NITO 1/2" adapter with M28x1 male
	AK5364TA3		NITO 1/2" adapter with 3/4" male and valve
	AK5360DA3 AK5360BA3 AK53600A3 AK5360CA3 AK5360EA3	AK54600A3	NITO 1/2" adapter with 1/4" hose tail NITO 1/2" adapter with 3/8" hose tail NITO 1/2" adapter with 1/2" hose tail NITO 1/2" adapter with 5/8" hose tail NITO 1/2" adapter with 3/4" hose tail
	AK5360AA3	AK5460AA3	NITO 1/2" adapter with 3/4" and 1/2" hose tail
	AK53650A1		NITO 1/2" adapter x 1/2" adapter
	AK53760A1		NITO 1/2" Y-piece 3-way adapter
<b>• 3/4" SERIES</b>			
	AK63500A3	AK64500A3	NITO 3/4" coupler with 3/4" BSP female + flat seal
	AK6350MA3 AK6350SA3	AK6450SA3	NITO 3/4" coupler with 5/8" hose tail NITO 3/4" coupler with 3/4" hose tail
	AK63530A3	AK64530A3	NITO 3/4" coupler with valve and 3/4" BSP female
	AK6353SA3	AK6453SA3	NITO 3/4" coupler with 3/4" hose tail with valve



Picture	Ref. Brass	Ref. St.St.	Description
	AK6361AA3 AK63610A3	AK64610A3	NITO 3/4" adapter with 1/2" BSP female + flat seal NITO 3/4" adapter with 3/4" BSP female + flat seal
	AK6364AA3 AK63640A3	AK64611A3	NITO 3/4" adapter with 1/2" BSP male NITO 3/4" adapter with 3/4" BSP male
	AK6360BA3 AK6360CA3 AK63600A3	AK64600A3	NITO 3/4" adapter with 1/2" hose tail NITO 3/4" adapter with 5/8" hose tail NITO 3/4" adapter with 3/4" hose tail
	AK6362AA3 AK6360AA3		NITO 3/4" adapter with 1/2" + 3/4" hose tail NITO 3/4" adapter with 3/4" + 1" hose tail
<b>• 1" SERIES</b>			
	AK73500A3	AK74500A3	NITO 1" coupler with 1" BSP female
	AK73530A3		NITO 1" coupler with valve and 1" BSP female
	AK7353SA3		NITO 1" coupler with valve and 1" hose tail
	AK73610A3	AK74610A3	NITO 1" adapter with 1" BSP female
	AK73640A3	AK74640A3	NITO 1" adapter with 1" BSP male
	AK7360BA3 AK73600A3	AK74600A3	NITO 1" adapter with 3/4" hose tail NITO 1" adapter with 1" hose tail



Picture	Ref. Brass	Ref. St.St.	Description
	AK7360AA3		NITO 1" adapter with 1" + 1 1/4" hose tail
<b>• TRANSITION PIECES</b>			
	AK53690A3 AK5369BA3 AK5369AA3 AK53700A3 AK63690A3		Nipple 1/2" BSP male x 3/4" BSP female Nipple M22x1 male x 1/2" BSP female Nipple M22x1 male x 3/4" BSP female Nipple 1/2" BSP male x M22x1 female Nipple 3/4" BSP male x 1" BSP female
	AK53480A8 AK53490A8	AK54490A3	Reducer 3/4" BSP male x 1/2" BSP & M22x1 female Reducer 3/4" BSP male x 1/2" BSP female
	AK53670A3 AK63670A3 AK73670A3	AK54670A3 AK64670A3	Hose tail 1/2" with 1/2" BSP male Hose tail 3/4" with 3/4" BSP male Hose tail 1" with 1" BSP male



# NITO “CLICK” coupler system

Compatible with the most popular plastic coupler systems.



### Technical specifications:

Material	Brass chrome plated
Seal	NBR / EPDM
Max. press.	25 bar
Max. temp.	-30 °C tot +80 °C

Picture	1/2" SERIES	3/4" SERIES	Description
	AK59820A3		NITO CLICK coupler with 1/2" NITO adapter
	AK59810A3		NITO coupler with 1/2" CLICK adapter
	AK5952GA3	AK69500A3	NITO CLICK coupler with M22x1, 1/2" and 3/4" BSP female NITO CLICK coupler with 3/4" BSP female
	AK5950NA3		NITO CLICK coupler with 1/2" BSP male
	AK5949SA3 AK5950SA3 AK5950CA3 AK5951SA3	AK6950SA3	NITO CLICK coupler with 3/8" hose tail NITO CLICK coupler with 1/2" hose tail NITO CLICK coupler with 5/8" hose tail NITO CLICK coupler with 3/4" hose tail
	AK59610A3 AK5961GA3	AK69610A3	NITO CLICK adapter with 1/2" female NITO CLICK adapter with M22x1, 1/2" and 3/4" BSP female NITO CLICK adapter with 3/4" female
	AK59640A3 AK5964AA3	AK69640A3	NITO CLICK adapter with 1/2" BSP male NITO CLICK adapter with 3/4" BSP male
	AK59600A3 AK5960AA3	AK6960BA3 AK69600A3	NITO CLICK adapter with 1/2" hose tail NITO CLICK adapter with 3/4" hose tail NITO CLICK adapter with 1/2" + 3/4" hose tail



# Cleaning hose type CT

(Food grade norm EG1935/2004 and FDA)



Temperature:	-35 °C to +100 °C (6 bar steam up to +164 °C)		
Working pressure:	30 bar		
Burst pressure:	90 bar		
Inner tube:	Food grade, oil resistant NBR, white, smooth		
Reinforcement:	Textile		
Cover:	Oil and weather resistant NVC, blue, smooth		
	<b>Article code</b>	<b>ID (mm)</b>	<b>OD (mm)</b>
	CT13-(m)*-00	13,0	23,0
	CT19-(m)*-00	19,0	31,0
	CT25-(m)*-00	25,0	39,0
	* Instead of this 'm' the total length of the hose should be mentioned, for example: "CT13-20-00" for 20 meter hose		



It's also possible to order complete assembled hoses. Please find below an example.

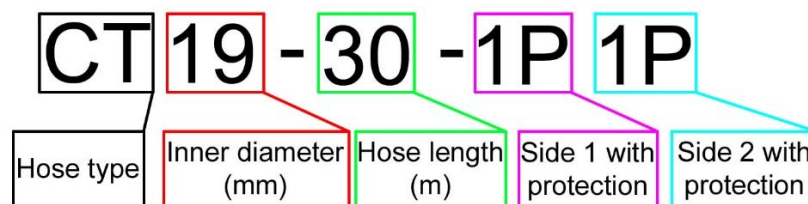
In this example we mount 30 meter CT19 hose with:

Side 1: Stainless steel hose tail with 1/2" BSP male thread and hose protection

Side 2: Stainless steel hose tail with 1/2" BSP male thread and hose protection



The article code will be as follows:



The corresponding numbers for the different hose connections we can mount can be found on page 59.





# Cleaning hose type FJ13

(with food grade cover)



Temperature:	-40 °C to +150 °C		
Working pressure:	80 bar		
Burst pressure:	240 bar		
Inner tube:	Synthetic rubber, oil resistant, black, smooth		
Reinforcement:	Two high tensile textile braids		
Cover:	Food grade synthetic rubber, oil- and environment resistant		
	<b>Article code</b>	<b>ID (mm)</b>	<b>OD (mm)</b>
	FJ13-(m)*-00	13,0	19,7
* Instead of this 'm' the total length of the hose should be mentioned, for example: "FJ13-20-00" for 20 meter hose.			

It's also possible to order complete assembled hoses. Please find below an example.

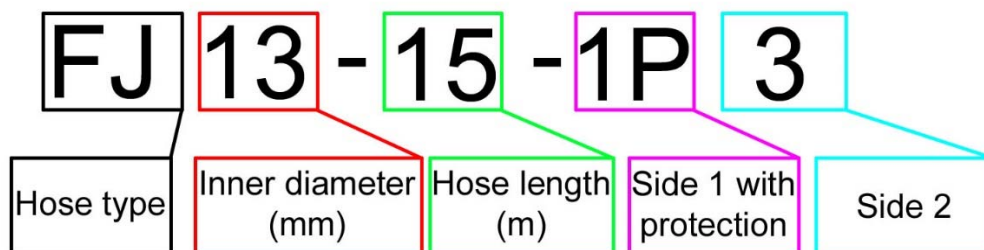
In this example we mount 15 meter FJ13 hose with:

Side 1: Stainless steel hose tail with 1/2" BSP male thread and hose protection

Side 2: Stainless steel hose tail with 1/2" BSP female screw cap with flat seal



The article code will be as follows:



The corresponding numbers for the different hose connections we can mount can be found on page 59.



# Cleaning hose type SR

(Foodstuff quality, EU10/2011)

Suitable according to Reg. CE 1935/2004 and Reg. UE 10/2011 for contact with foodstuff that requires a simulating liquid type A B C, migration tests performed at 40°C for 24 hours.



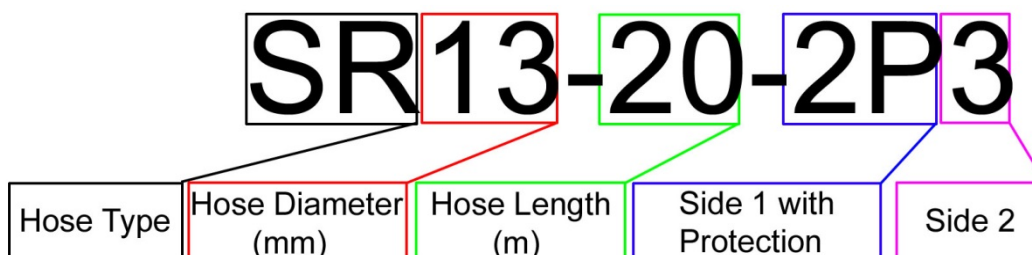
Temperature:	-5°C up to +60°C				
Working pressure:	SR13: 80 bar at 23°C; 48 bar at 60°C SR19: 60 bar at 23°C; 35 bar at 60°C				
Inner tube:	foodstuff quality smooth and flexible PVC (white)				
Reinforcement:	double polyester yarn				
Outer tube:	food grade smooth and flexible PVC (blue/white)				
Chemical resistance:	according to PVC table				
Article code	Inner Ø (mm)	Outer Ø (mm)	Weight (g/m)	Bending radius (mm)	Available lengths (m)
SR13-(m)*-00	13,0	23,0	350	45	up to 100
SR19-(m)*-00	19,0	28,0	460	100	up to 50
*Instead of 'm' please fill out the length in meters, example: "SR13-20-00" for 20m hose.					

It's also possible to order complete assembled hoses. Please find below an example.

In this example we mount 20 meter hose with:  
Side 1: Swivelling ½" BSPT male thread and hose protection  
Side 2: ½" BSP female screw cap with flat seal



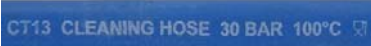






The article code will be as follows:



The corresponding numbers for the different hose connections we can mount can be found on page 59.



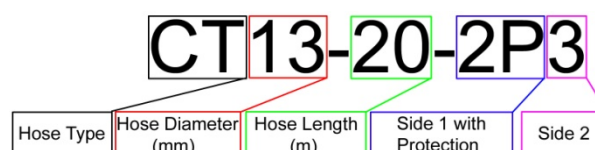
## Hoses with hose connections

Option	No.	Description
	0	Open hose end
	1	Stainless steel hose tail with 1/2" BSP male thread
	2	Stainless steel swiveling hose tail with 1/2" BSPT male thread
	3	Stainless steel hose tail with BSP female thread with flat seal
	3C	Stainless steel hose tail with BSP female thread with conical seal
	4	Chrome plated quick release coupler
	5	Chrome plated adapter



For 1/2" (DN13) and 3/4" (DN19) hoses we have the option to mount a hose protection.  
 Also separate available: Article number "PROHO23-B" for DN13 and "PROHO31-B" for DN19

### How to order:



# Hose protection



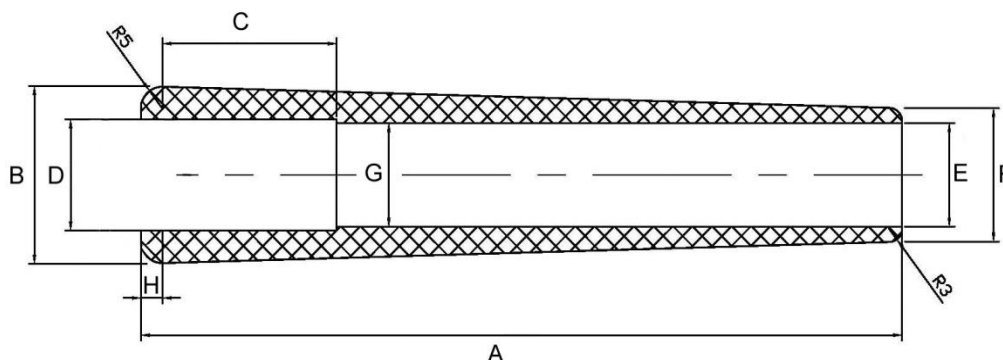
**Reference:**      **Description:**

**PROHO21-B**      Rubber hose protection for hoses with a maximum outer dimension of Ø21 mm, blue  
**PROHO21-R**      Rubber hose protection for hoses with a maximum outer dimension of Ø21 mm, red

**PROHO23-B**      Rubber hose protection for hoses with a maximum outer dimension of Ø23 mm, blue  
**PROHO23-R**      Rubber hose protection for hoses with a maximum outer dimension of Ø23 mm, red  
**PROHO23-Y**      Rubber hose protection for hoses with a maximum outer dimension of Ø23 mm, yellow  
**PROHO23-G**      Rubber hose protection for hoses with a maximum outer dimension of Ø23 mm, green

**PROHO28-B**      Rubber hose protection for hoses with a maximum outer dimension of Ø28 mm, blue

**PROHO31-B**      Rubber hose protection for hoses with a maximum outer dimension of Ø23 mm, blue  
**PROHO31-R**      Rubber hose protection for hoses with a maximum outer dimension of Ø23 mm, red  
**PROHO31-Y**      Rubber hose protection for hoses with a maximum outer dimension of Ø23 mm, yellow  
**PROHO31-G**      Rubber hose protection for hoses with a maximum outer dimension of Ø23 mm, green



Product	A	B	C	D	E	F	G	H
PROHO21	175,0	40,0	40,0	23,5	21,0	30,0	21,0	5,0
PROHO23	175,0	40,0	40,0	25,0	23,3	30,0	23,3	5,0
PROHO28	175	43	40	30	28,5	33,2	28,5	5
PROHO31	175,0	48,3	40,0	33,3	31,3	38,0	31,3	5,0



\*\*\* Other dimensions and/or colors are available on demand \*\*\*

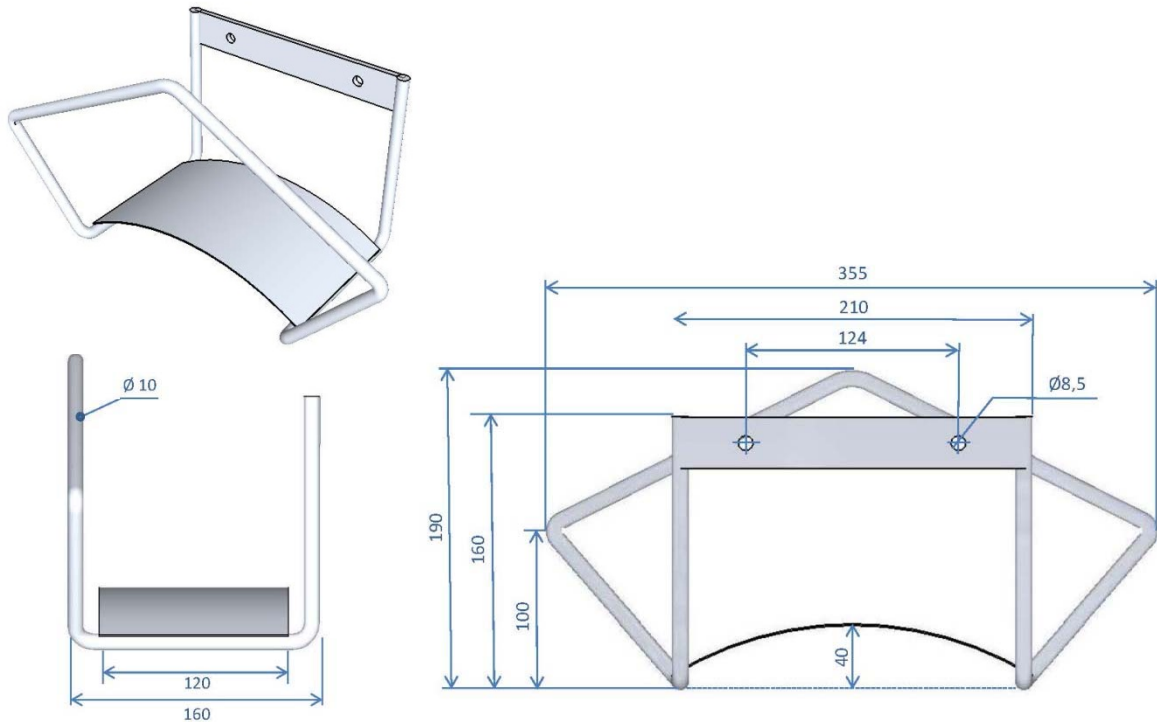


# Stainless steel Hose Rack

Increase the life time of your hoses with a hose rack. Measures for the standard racks can be found below. All other dimensions or shapes are available on demand.

**Product code: REKFR30**

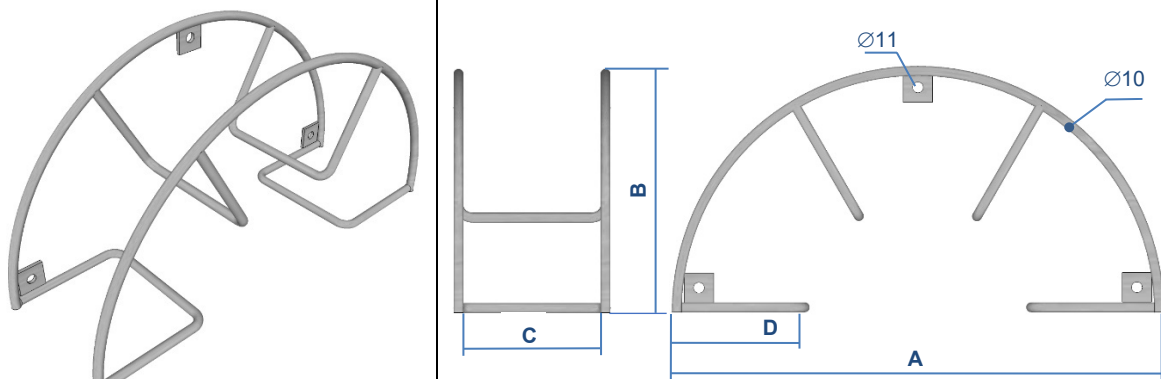
Stainless Steel (304) hose rack for about 25m hose 1/2" and 20m hose 3/4", Electro polished.



**Product code: REKFR60 & REKFR70**

REKFR60: Stainless Steel (304) hose rack for about 40m hose 1/2" and 30m hose 3/4".

REKFR70: Stainless Steel (304) hose rack for about 60m hose 1/2" and 50m hose 3/4".



Reference	A	B	C	D
REKFR60	510	255	140	130
REKFR70	510	255	250	130













# Spare Parts



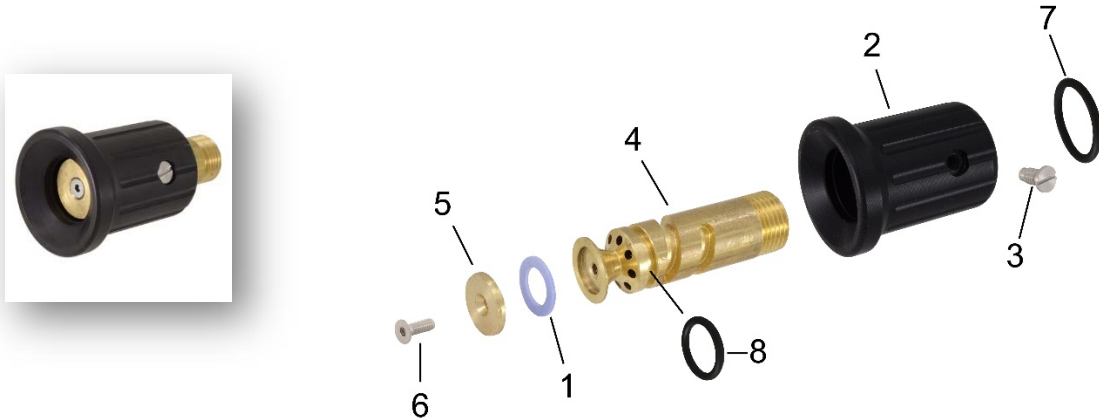
### Spare parts for cleaning guns



No.		Reference	Description
1		RESAKBO RESAKBL RESAKCH RESAKRV RESAKRB	Spare part set for brass water guns Spare part set for brass water guns with big bore Spare part set for chrome plated brass water guns Spare part set for stainless steel water guns Spare part set for stainless steel water guns with big bore
		RESAKNL2 RESAKCL2  RESAKRL2	Spare part set for brass water guns for lance mounting Spare part set for chrome plated brass water guns for lance mounting Spare part set for stainless steel water guns for lance mounting
2		RECOVER-B RECOVER-W RECOVER-R RECOVER-RHP-R RECOVER-G RECOVER-Y RECOVER-BL	EPDM top cover, blue EPDM top cover, white EPDM top cover, red EPDM top cover for AKRHP..., red EPDM top cover, green EPDM top cover, yellow EPDM top cover, black
3		REGRIIP-B REGRIIP-W REGRIIP-R REGRIIP-RHP-R REGRIIP-G REGRIIP-Y REGRIIP-BL	EPDM handgrip, blue EPDM handgrip, white EPDM handgrip, red EPDM handgrip, for AKRHP..., red EPDM handgrip, green EPDM handgrip, yellow EPDM handgrip, black
4		RESCLIP	Clip for water gun
5		ADAM12M12F	Brass adapter 1/2" BSP male x 1/2" BSP female, flat seal
		ADAR12M12F	Stainless steel adapter 1/2" BSP male x 1/2" BSP female, flat seal
6		RETRIPR-B RETRIPR-BL RETRIPR-R RETRIPR-W	Trigger guard, blue Trigger guard, black Trigger guard, red Trigger guard, white



### Spare parts for heavy duty spray heads

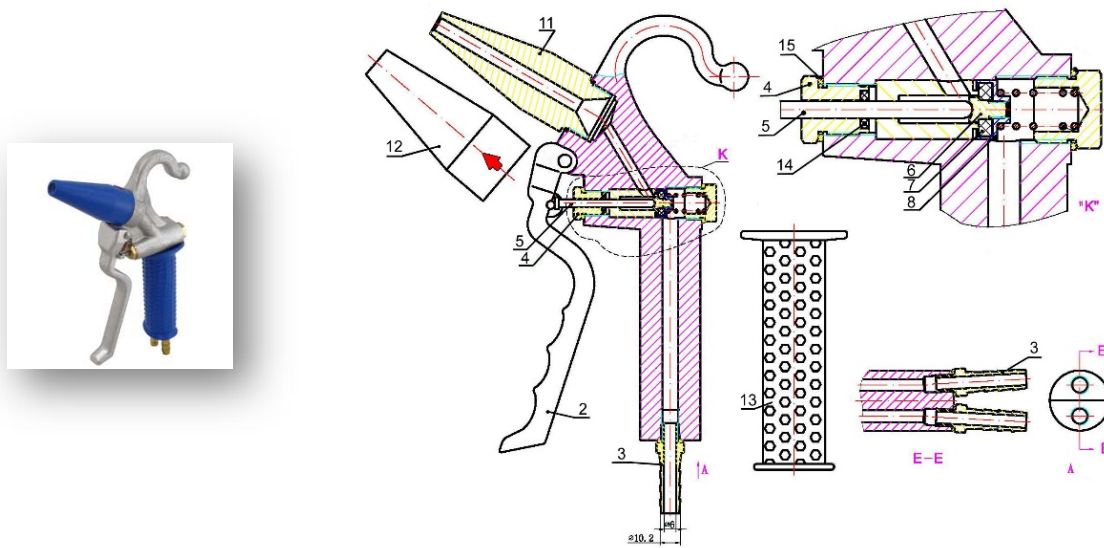









No.		Reference	Description
1		AKSH4-FS	Flat seal "Clipperton" 2110 for spray head (24x15x1,5)
2		AKSH4-HBL	POM head, black
2		AKSH4-HW	POM head, white
3		AKSH4-LS	Locking screw for spray head
4		AKSH4-NS-M	Nozzle shaft for spray head, brass
4		AKSH4-NS-R	Nozzle shaft for spray head, stainless steel
5		AKSH4-NT-M	Nozzle tip for spray head, brass
5		AKSH4-NT-R	Nozzle tip for spray head, stainless steel
6		AKSH4-TS	Screw for nozzle tip
7 8		AKSH4-OR	EPDM O-ring





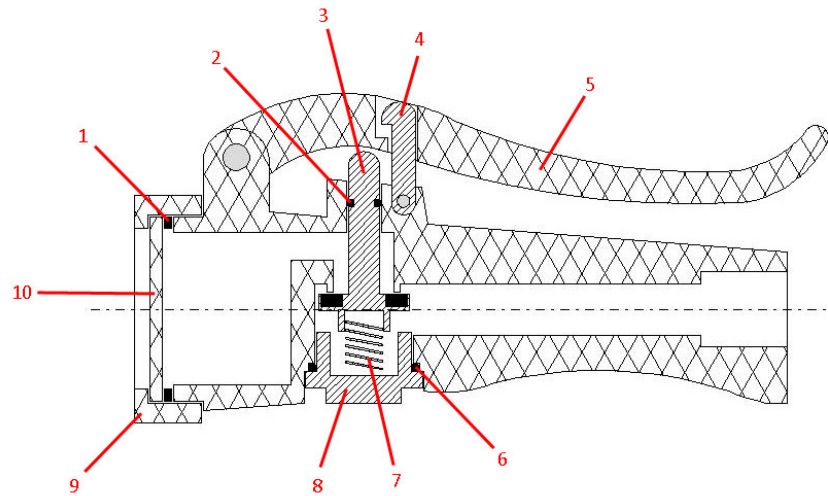
### Spare parts for AKAWLU1-B water/air gun











No.		Reference	Description
2		AKAWTRIG	Lever
3		AKAWTAIL	Hose tail with brass washer
6 7 8		AKAWPIST	Piston
4 5 14 15		AKAWSHAF	Shaft with plug
11		AKAWNOZZ	Nozzle
12		AKAWSLEE	Nozzle sleeve
13		AKAWGRIP	EPDM handgrip



### Spare parts for shower head



No.		Reference	Description
1 2 6		AKKSSEAL	Seal kit: 1x O-ring 4,2 x 2 1x Flat seal 26 x 40 x 2 1x O-ring 23 x 2
3		AKKSVALVE	Valve
4		AKKSHOOK	Hook
5		AKKSTRIG-B AKKSTRIG-W	Lever, blue Lever, white
7		AKKSSPRING	Stainless steel spring
8		AKKSPLUG-B AKKSPLUG-C AKKSPLUG-R	Plug in plastic with O-ring, blue Plug in chrome plated brass with O-ring Plug in chrome stainless steel with O-ring
9		AKKSCAP-B AKKSCAP-W	Front cap, blue Front cap, white
10		AKKSHEAD-B AKKSHEAD-W	Shower head, blue Shower head, white

