AKBO

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

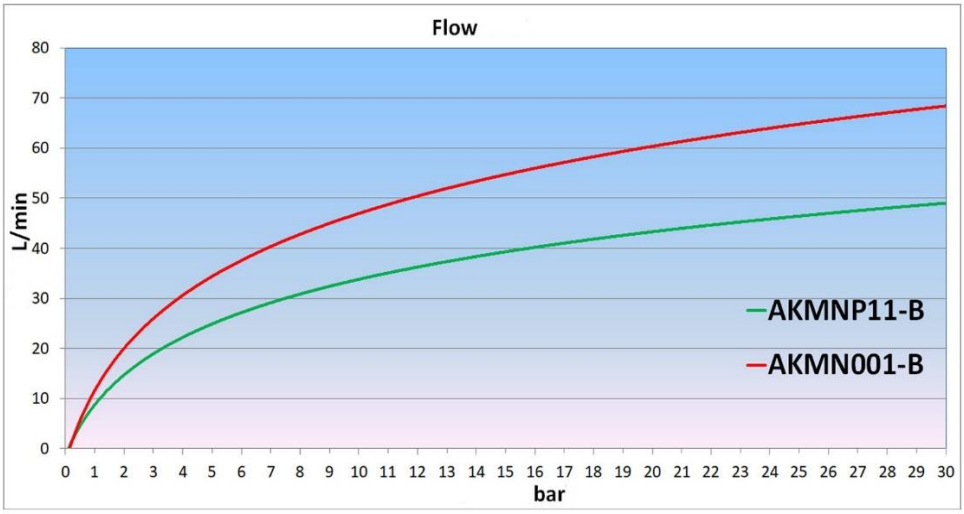
AKMNP11-B

The Blue King is a superior cleaning gun with many special qualities.

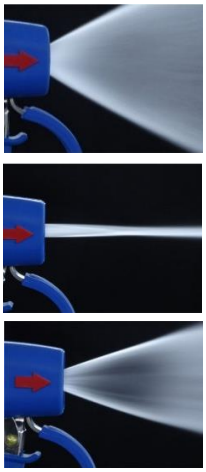
With its compact size and ergonomic handle, it fits comfortably in the hand. The velvety soft rubber surface adds further comfort.

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	½" BSP female	½" BSP female
Maximum temperature	95 ºC	95 ºC
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).

The use of a ball-bearing swivel on a gun will have a positive effect on operator comfort and hose lifetime. See page "Ball-bearing swivel fittings".

Characteristics of the BLUE KING

The revolutionary flat nozzle prevents dripping with each spray arc.
It is dimensioned such that the sprayer uses at least 16% less water relative to regular cleaning guns.

Double seals in the gun for added security and durability.

Easy and fast adjustment of the nozzle and trigger without the need for a tool.

Clear indication of the spray direction.

Clear indication of maximum working pressure and temperature.

Ergonomic designed lever with soft feel for the fingers.

Strong stainless steel trigger guard with rubber insulation.

Comfortable grip by ergonomic design with velvety rubber surface.

<u>Article no.</u>
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**

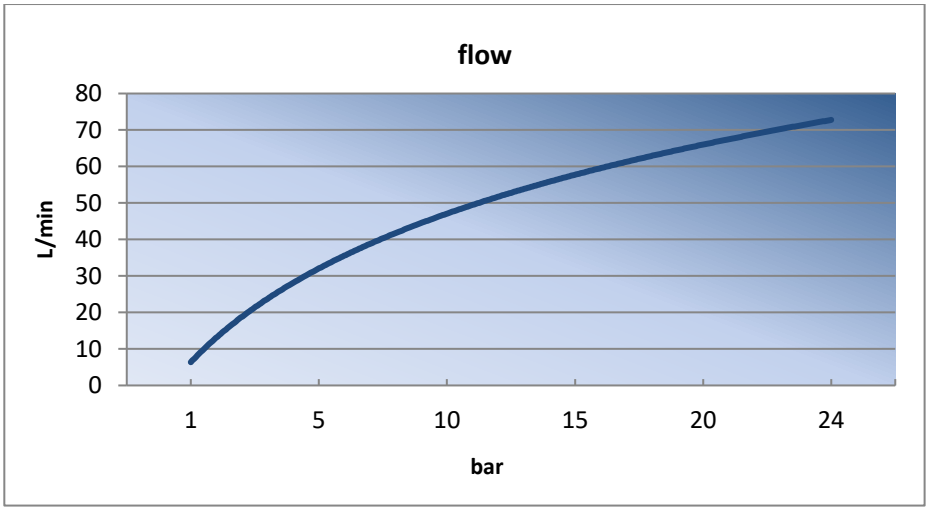
All **bold** printed items are ex. stock available

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



Water flow in l/min when operating lever is fully squeezed, depending on pressure

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 ºC (200 ºF)
- Max. pressure: 24 bar (350 psi)
- Weight in grams: AKMN001 = 835; AKMNP01-B = 1031; AKMNP01-B-SW12 = 1084; AKMNP01-B-SW34 = 1114

Red arrow for flow direction

*** Although all materials can handle temperatures above 100 ºC, special precautions are recommended if hot water is used.
Not for steam!

The use of a ball-bearing swivel on a pistol will have a positive effect on operator comfort and hose lifespan. See page "Ball-bearing swivel fittings".

Also available:
Spray gun in brass, chrome-plated brass, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water yield, (foam) lance assembly, sterilisable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

Features heavy-duty brass water gun

Red Arrow cast in EPDM casing

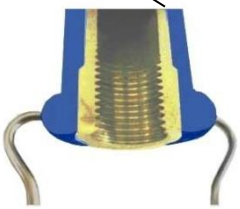
Stainless Steel shaft with 2 ‘O’ rings and ST. ST. Spring

Beam adjustable screw

Reinforced st.st. Pusher

Improved rubber Grip

Handle insulation, EPDM rubber



Unlosable fixed and enlarged rubber grip for more insulation

In brass:

Article number:
AKMN001-B

In messing verchroomd:

Article number:
AKCN001-B

In Stainless steel (AISI 316):

Article number:
AKRN001-B

In Plastic (PA66):

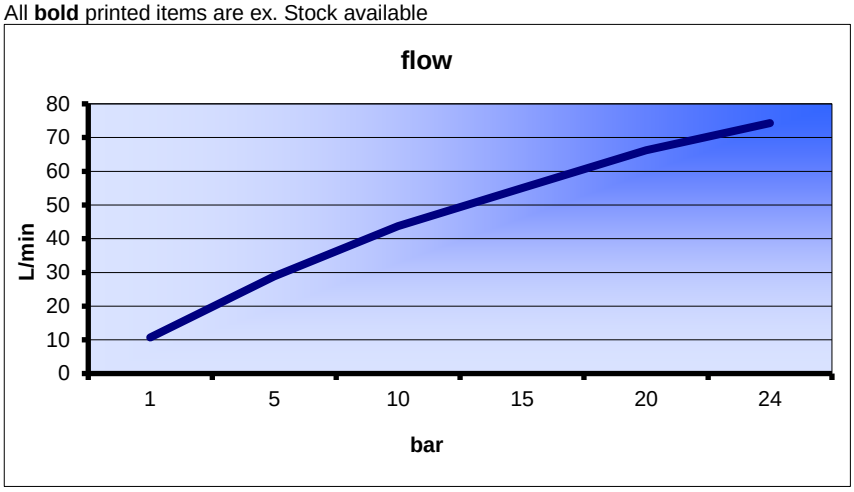
Article number:
AKNN001-B

All cleaning guns listed on this page have the features shown.

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 when operating lever is fully retracted, depending on pressure

Adjustable spray pattern

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 ºC (200 ºF)
- Max. pressure 24 bar (350 psi)
- Weight about 810 grams
- Controllable beam pattern from broad spray to strong jet

Arrow for Beam direction

*** Although all materials can handle temperatures above 100 ºC, special precautions are recommended if hot water is used.

Not for steam!

The use of a ball-bearing swivel fitting on a gun will have a positive effect on operator comfort and hose life. See page "Ball-bearing swivels".

Also available:
Spray guns in brass, brass chromed, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water yield, (foam) lance mounting, sterilisable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

Spray guns with big flow

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

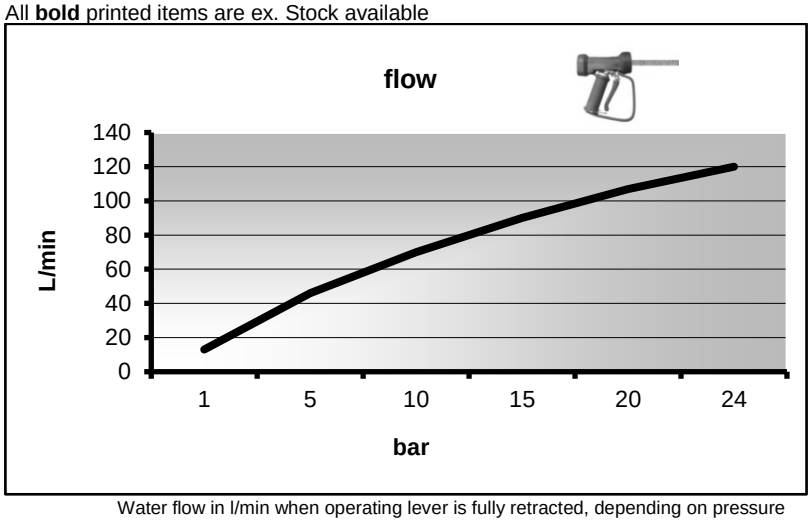
With insulated trigger protection in St. St.

AKMB001-BL
AKRB001-BL (St. St. 316)

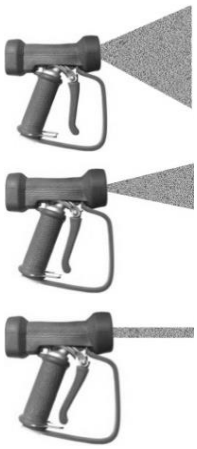
AKMBP01-BL

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 when operating lever is fully retracted, depending on pressure



Technische 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 ºC (200 ºF)
- Max. pressure 24 bar (350 psi)
- Weight about 870 grams
- Water beam controllable from broad beam to strong yet
- Clear red arrow to show the water beam direction

*** Although all materials can handle temperatures above 100 ºC, special precautions are recommended if hot water is used.

Not for steam!

The use of a ball-bearing swivel fitting on a gun will have a positive effect on operator comfort and hose life. See page "Ball-bearing swivels".

Also available:
Spray gun in brass, brass chrome-plated, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water yield, (foam) lance assembly, sterilisable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

Chrome plated brass heavy duty spray guns

With rubber-insulated trigger

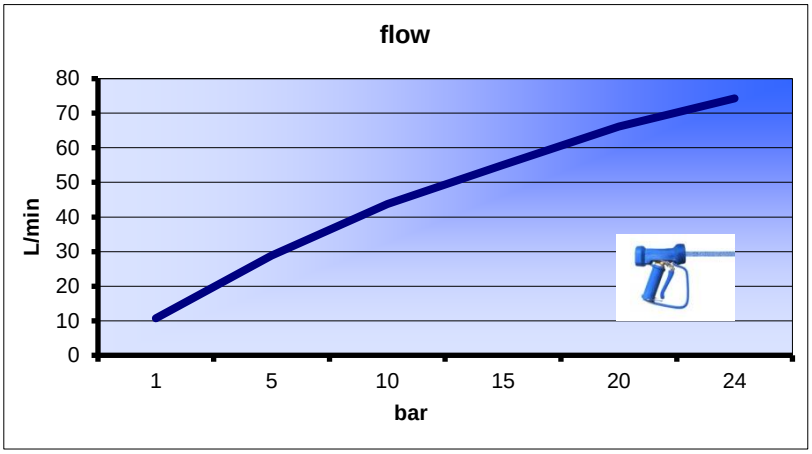
Version with insulated trigger guard

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 types in bold are availiable from stock. ***NPT** tread connection



Water flow in l/min when operating lever is fully retracted, depending on pressure

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 ºC (200 ºF)
- Max. pressure 24 bar (350 psi)
- Weight about 867 / 1016 gram
- Water jet controllable from wide to straight

Rubber collar for better protection

Red arrow for jet direction

*** Although all materials can handle temperatures above 100 ºC, special precautions are recommended if hot water is used.

Not for steam!

The use of a ball-bearing swivel fitting on a gun will have a positive effect on operator comfort and hose life. See page "Ball-bearing swivels".

Also available:
Spray gun in brass, brass chrome-plated, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water yield, (foam) lance assembly, sterilisable, ATEX and Spray guns with an "NPT" - thread (USA) connection..

Stainless steel (316) heavy duty spray guns

With rubber-insulated trigger

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

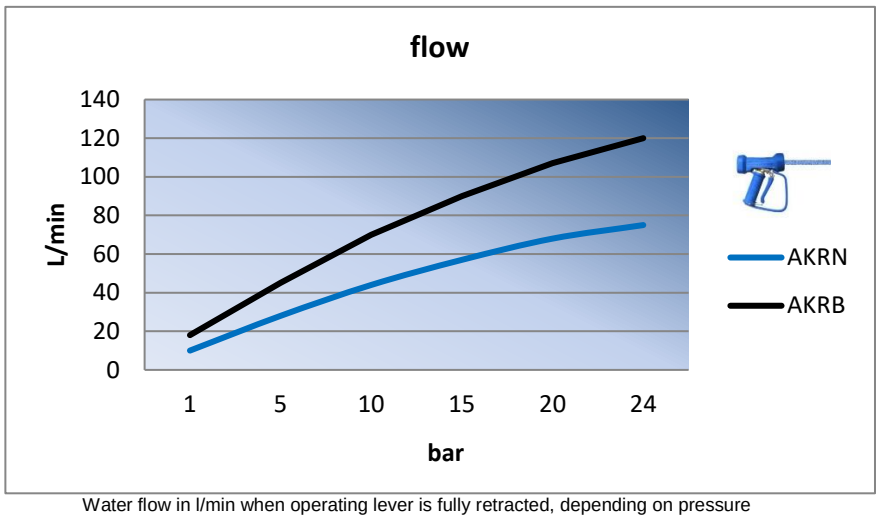
Version with insulated stainless steel trigger guard

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 in l/min when operating lever is fully retracted, depending on pressure

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 ºC (200 ºF)
- 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

Rubber collar for better protection

*** Although all materials can handle temperatures above 100 ºC, special precautions are recommended if hot water is used.

Not for steam!

The use of a ball-bearing swivel fitting on a gun will have a positive effect on operator comfort and hose life. See page "Ball-bearing swivels".

Also available:
Spray gun in brass, brass chrome-plated, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water flow, (foam) lance mounting, steriliseable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

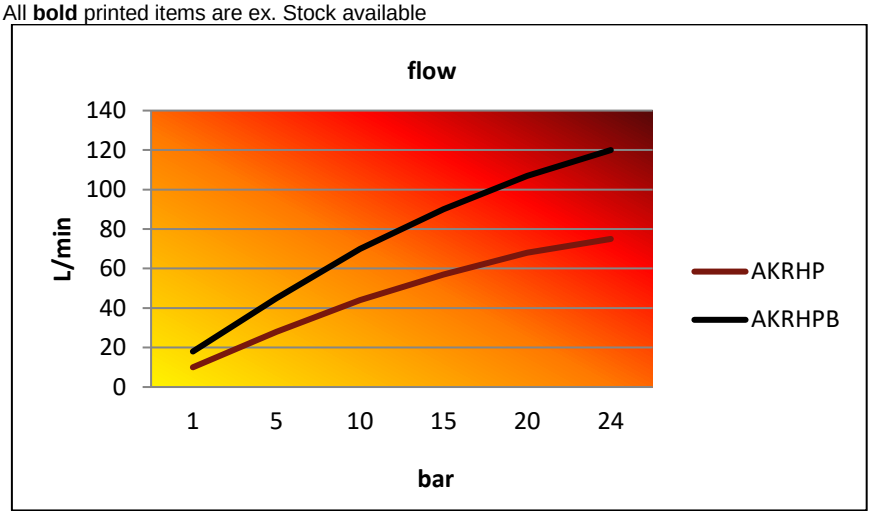
Hot water spray guns, in stainless steel

With unlosable rubber handgrip and insulated trigger handle in stainless steel

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 when operating lever is fully retracted, depending on pressure

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 ºC (200 ºF)
- 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 steam!

Teflon/ air Insulation

The use of a ball-bearing swivel fitting on a gun will have a positive effect on operator comfort and hose life. See page "Ball-bearing swivels".

Also available:
Spray gun in brass, brass chrome-plated, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water flow, (foam) lance mounting, steriliseable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

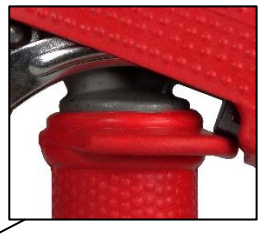
The stainless-steel hot water gun

With trigger guard, double insulation

AKRHP01-R

95 ºC - 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 ºC, it is strongly recommended to take special precautions when using hot water.

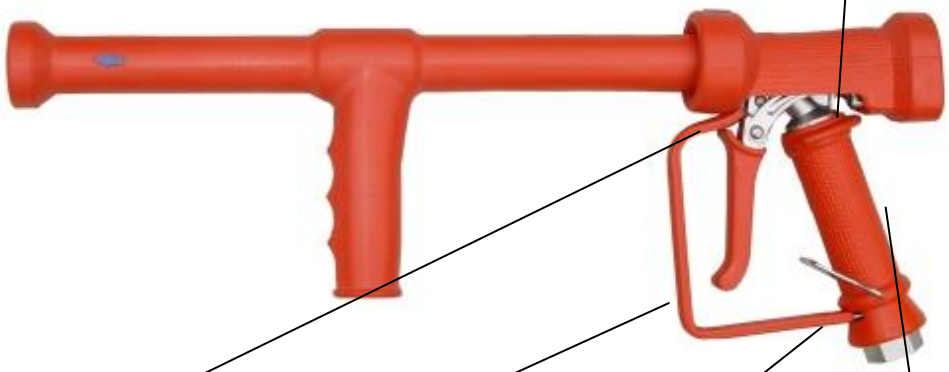
The hot water lance water gun

Controllable
Beam pattern

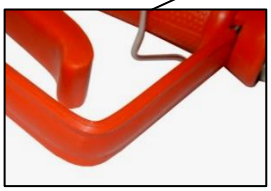
AKRHP02-R-L40

Longer hand grip with
collar

Max. temp. 95 ºC (200 ºF)
Max. pressure 24 bar (350 Psi)
Max. flow about 70 l/min
Not for steam



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 ºC, it is strongly recommended to take special precautions when using hot water.

Explosion proof spray gun, in stainless steel

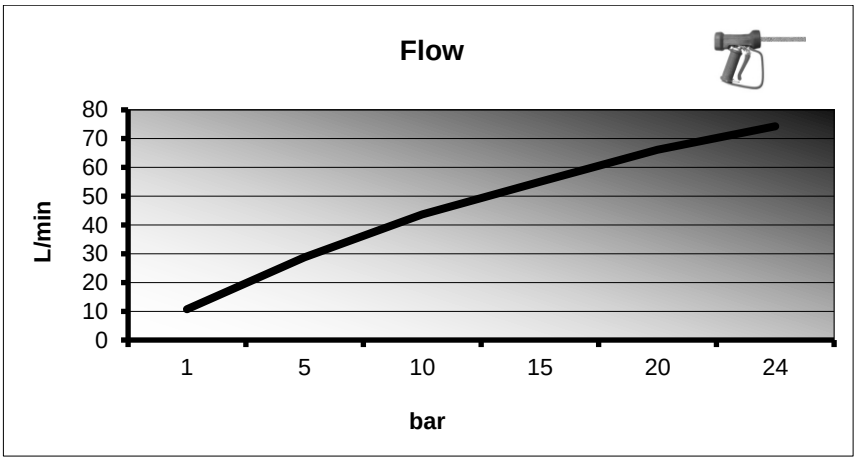
With unlosable rubber handgrip and insulated trigger handle in stainless steel

Article number: 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 when operating lever is fully retracted, depending on pressure

EX logo in rubber cover

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-binnendraad aansluiting
- Max. temp. 60 ºC (140 ºF)
- Max. pressure 24 bar (350 psi)
- Weicht about 870 gram
- Water beam controllable from broad beam to strong jet
- Clear red arrow to show the water beam direction

*** Although all materials can handle temperatures above 100 ºC, special precautions are recommended if hot water is used.

Not for steam!

The use of a ball-bearing swivel fitting on a gun will have a positive effect on operator comfort and hose life. See page "Ball-bearing swivel fittings".

Also available:
Spray gun in brass, brass chrome-plated, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water flow, (foam) lance mounting, steriliseable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

Sterilisable spray gun in AISI 316

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

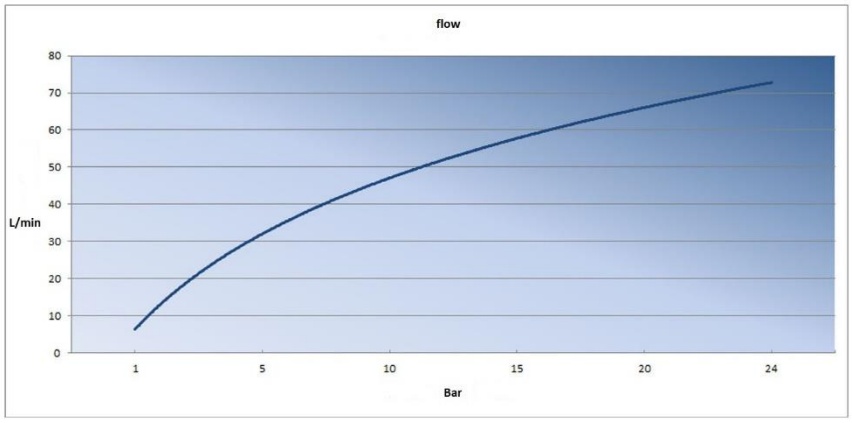
This stainless steel gun has been specially developed for cleaning applications in an environment where sterile equipment is required. The special latex cover allows this gun to be disinfected in an autoclave. This makes it the ideal gun for use in, for example, the pharmaceutical and cosmetic industries.

Areas of application:

- Pharmaceutical industry
- Cosmetic industry
- Food industry

Spray gun can be sterilised up to 160 °C

Article no. AKRN002-LB-LAT



Water flow in l/min when operating lever is fully retracted, depending on pressure

Technical data

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

Red arrow for flow direction

*** Although all materials can handle temperatures above 100 ºC, special precautions are recommended if hot water is used.

Not for steam!

The use of a ball-bearing swivel fitting on a gun will have a positive effect on operator comfort and hose life. See page "Ball-bearing swivel fittings".

Also available:
Spray gun in brass, brass chrome-plated, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water flow, (foam) lance mounting, sterilisable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

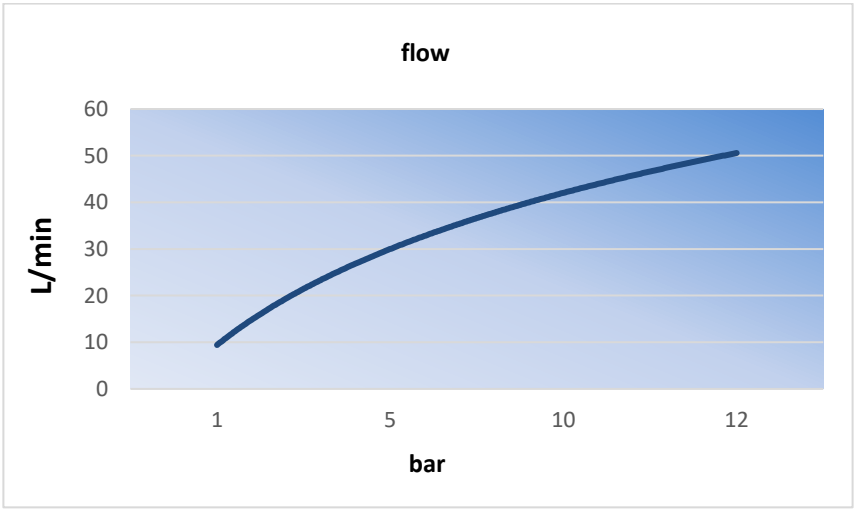
Heavy-duty light weight water gun

Technical data

- Light weight, body from **PA66**
- Heavy duty
- Glass fiber 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. temperature 12 bar
- Max. pressure 50 °C
- Inlet ½" BSP female
- Weight only 480 grams

Article number AKNN001-B

For all cleaning applications and due to the materials used that meet FDA requirements, also in the food and beverage industry. Because of the lighter weight, more comfortable to use, when the cleaning takes longer time.



Water flow in l/min when operating lever is fully squeezed, depending on pressure

Using a ball-bearing swivel on a gun will have a positive effect on operator comfort and hose lifespan. See page "Ball-bearing swivels".

Also available:
Spray gun in brass, chrome-plated brass, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water flow, (foam) lance assembly, sterilisable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

Clear red arrow for jet direction

Blue Princess

Economic high-quality cleaning gun

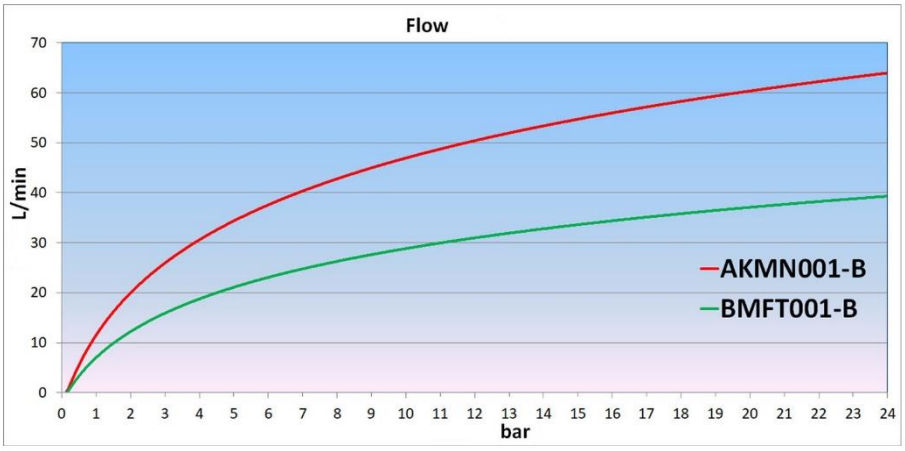
Powerful cleaning with less water

The Blue Princess is a cost-saving cleaning gun with many special features.

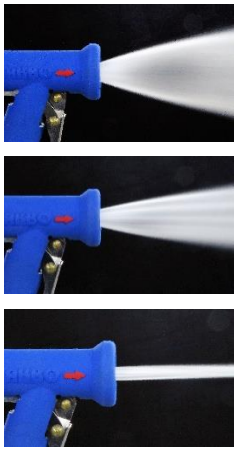
With its light weight and compact dimensions, it is very pleasant to handle. The velvety rubber surface contributes to this.

The nozzle has the new revolutionary flat AKBO design, which ensures a perfect spray pattern without dripping. Because of the precisely positioned nozzle tip, there is a very even spray pattern. With the trigger, the shape of the jet can thereby be easily and quickly changed from a wide cone to a narrow point jet. Moreover, the passage is dimensioned in such a way that the gun consumes at least 26% less water than a regular cleaning gun while maintaining high cleaning power due to its strong jet.
Despite its low weight and compact dimensions, the Blue Princess is very durable, thanks to its robust construction, sturdy hinges, durable materials and double internal seals.

BMFT001-B (brass version) BRFT001-B (st. steel version)



Water flow in l/min when operating lever is fully squeezed, depending on pressure



Adjustable spray angle

Technical data

	BMFT001-B	BRFT001-B
Body material	Brass CW617N	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

Pictured is the version with AKBO logo. Also available with PRINCESS logo or your own logo (from 200 pieces).

Using a ball-bearing swivel on a gun will have a positive effect on operator comfort and hose lifespan. See page "Ball-bearing swivels".

Stainless steel spray guns with back trigger

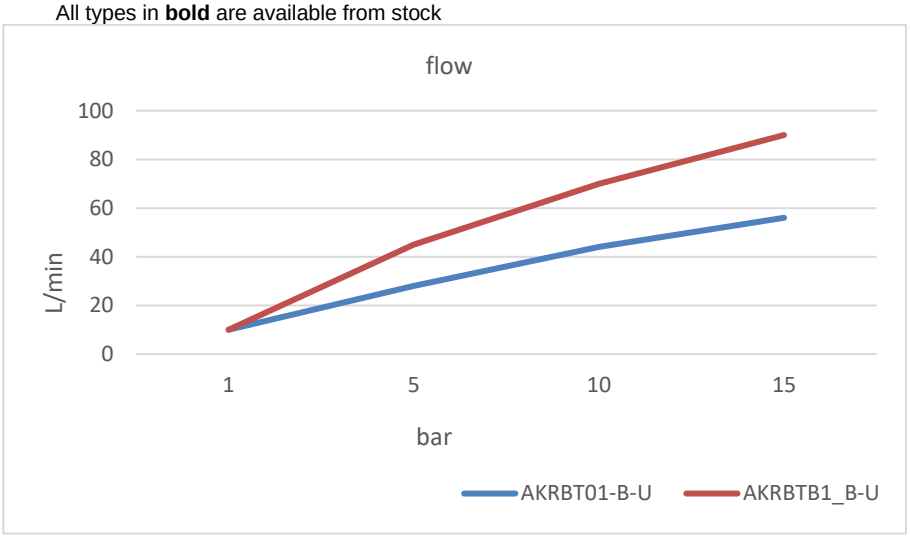
With unlosable rubber hand grip and insulated trigger handle in stainless steel

Technical data

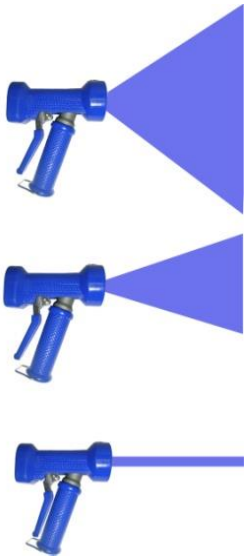
- Rugged stainless steel (316) housing
- Covers from EPDM
- Seals from VITON suited for food (FDA)
- Trigger handle and pusher in Stainless steel
- 1/2" NPT female inlet
- Max. temp. 95 ºC (200 ºF)
- Max. pressure 24 bar (350 psi)
- Weight about 870 grams
- Water beam controllable from broad beam to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

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

All types in **bold** are available from stock



Water flow in l/min when operating lever is fully retracted, depending on pressure



*** Although all materials can handle temperatures above 100 ºC, special precautions are recommended if hot water is used.
Not for steam!

Using a ball-bearing swivel on a gun will have a positive effect on operator comfort and hose lifespan.
See page "Ball-bearing swivels.

Clear red arrow for beam direction

Also available:
Spray gun in brass, chrome-plated brass, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water flow, (foam) lance assembly, sterilisable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

Light weight spray guns, “Baby” series

Compact with less water usage

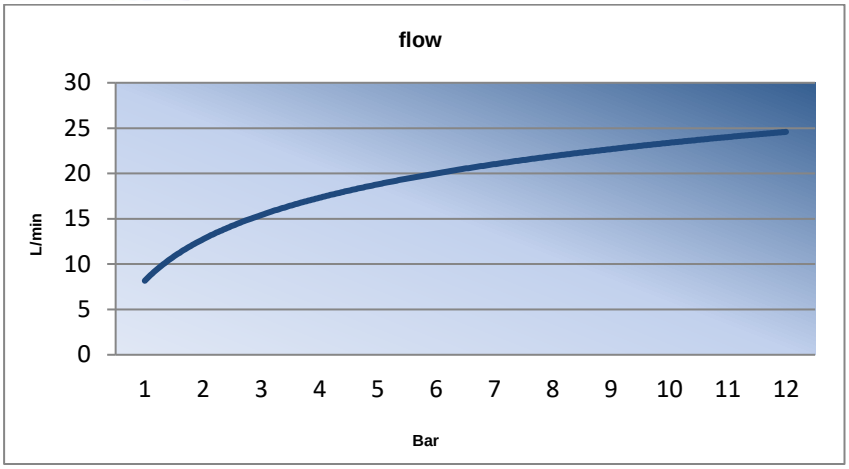
The Baby series pistols are compact and lightweight and have the control lever on the back of the grip.

Article number

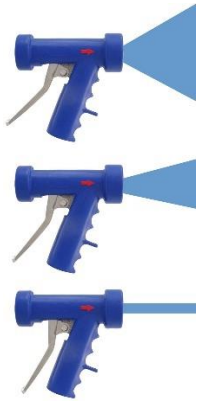
BABTN01-B Aluminium
BMBTN01-B brass
BRBTN01-B Stainless steel

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

Clear red arrow to show the water beam direction



Water flow in l/min when operating lever is fully squeezed, depending on pressure



Water beam controllable from broad beam to strong jet

Technical data

	BABTN01-B	BMBTN01-B	BRBTN01-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 ºC (122 ºF)	95 ºC (231 ºF)	95 ºC (231 ºF)
Max. pressure	12 bar (170 PSI)	25 bar (354 PSI)	25 bar (354 PSI)
Weight	360 g.	622 g.	680 g.

*** Although all materials can handle temperatures above 100 ºC, special precautions are recommended if hot water is used.
Not for steam!

Using a ball-bearing swivel on a gun will have a positive effect on operator comfort and hose lifespan. See page "Ball-bearing swivels".

Also available:
Spray gun in brass, chrome-plated brass, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water flow, (foam) lance assembly, sterilisable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

Cleaning guns for lance mounting

The water gun for lance mounting has an ½" 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).

Picture	Article number	Description
	KLML002-B	Brass water gun for lance mounting with ½" male outlet
	AKCL002-B	Chrome plated brass water gun for lance mounting with ½" male outlet
	AKRL002-B	Stainless steel water gun for lance mounting with ½" male outlet
	AKNL002-B	Plastic (glass fibre reinforced PA66) water gun for lance mounting with ½" male outlet

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

Option A: quick release connection

COUPL1/2-F

Option B: fixed connection with reducer

NIP5025-R

Option C: fixed direct connection on the water gun outlet

LANCM-F

Fixed connection

With a fixed connection, the lance screws directly onto the gun.

Now lances can be exchanged easily. Several possible lances are shown on the following pages.

Quick release connection

The guns can be supplied with mounted quick-release couplings and fitted with protection under the following article numbers.

Article numbers	**Material**
KLMLCP2-B	Brass
AKCLCP2-B	Chrome-plated brass
AKRLCP2-B	Stainless steel
AKNLCP2-B	PA66 (plastic)

Technical data

- Max. pressure: 24 bar (AKNLCP2-B 12 bar)
- Max temperature: 95 ºC (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)

Lightweight spray guns for lance Mounting, Baby

From the Baby series, we also have compact spray guns with an outlet for lance mounting. This series is characterised by economical water use, low weight and has the trigger at the rear. These guns with an attached lance makes it easier to clean places that are otherwise difficult to reach. There are 3 variants in brass or aluminium.

For the guns BABTLF1-B-V and BABTLF1-BL, there is COUPL1/2-M as a quick coupling

For the gun BMBNN01-B, quick coupling COUPL1/2-F is suitable.

Picture	Article number	Description
	BMBNN01-B	Baby brass cleaning gun for lance assembly with ½" BSP male outlet. Max pressure 25 bar, Max temp. 95 °C, weight 650 g. Connection ½" BSP female
	BABTLF1-BL	Baby Aluminium cleaning gun for lance assembly with ½" BSP female outlet. Max pressure 12 bar, Max temp. 50 °C, weight 365 g. Connection ½" BSP female thread
	BABTLF1-B-V	Baby Aluminium cleaning gun for lance mounting with ½" BSP female outlet and VITON seal. Max pressure 12 bar, Max temp. 50 °C, weight 365 g. Connection ½" BSP female thread

Protected Ball valves

The multifunctional protected ball valve BALR001-B is encased in EPDM rubber. When dropped, the rubber protects not only the ball valve itself, but also the floor and wall. The insulation also makes the ball valve suitable for hot water applications.

All ball valves are protected against dropping on the operating handle and can be used with multiple accessories for different applications.

Max. pressure: 60 bar
Max. temperature: 95 ºC

Picture	Article number	Description
	BALR001-B	Protected stainless steel 304 ball valve; 2x ½" female thread
	BALRCP1-B	Protected stainless steel 304 ball valve; ½" female thread x quick coupling with rubber protection.
	BALRCP1-NB	Protected stainless steel 304 ball valve; ½" female thread x quick coupling with nylon protection.
	BARRCP2-B	Mechanically protected stainless steel 316 ball valve; ½" female thread x quick coupling with rubber protection.

Alternative: self-closing stainless steel 316 foam gun with quick-release coupling for foaming and rinsing up to 24 bar.

AKRLCP2-B

Lances

Foam lance for fixed connection

Article no.	Description
LANCM22-F	St.st. foam lance 22cm 2x ½" female
LANCM50-F	St.st. foam lance 50cm 2x ½" female

Article no.	Description
LANCM22-N	St.st. foam lance 22cm ½" female x foam nozzle
LANCM50-N	St.st. foam lance 50cm ½" female x foam nozzle

Article no.	Description
LANCM22-N-NW	St.st. foam lance 22cm ½" female x foam nozzle with protection
LANCM50-N-NW	St.st. foam lance 50cm ½" female x foam nozzle with protection

Foam lance for quick-release connection

Article no.	Description
LANFA02	Foam lance with adapter

Article no.	Description
ADAFN1/2-NR-NW	Adapter with foam nozzle and protection

Article no.	Description
LANCM22-A	St.st. foam lance 22cm ½" female x adapter
LANCM50-A	St.st. foam lance 50cm ½" female x adapter
LANCM60-A	St.st. foam lance 60cm ½" female x adapter

Article no.	Description
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

Article no.	Description
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 lance with quick-release connection

Article no.	Description
ADASN1/4-2530B	Adapter (short) with nozzle* NOZ2530 and blue EPDM rubber protection**

*different nozzle versions are available (see nozzle table)

Article no.	Description
ADAPN1/4-2530B	Adapter (long) with nozzle* NOZ2530 and 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	**¼" BSP Male thread**
Max. pressure	**400 bar**
Max. temperature	**150 ºC**

Article no.	Description
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

Article no.	Description
LABX02	Lance 25cm; 1/4" male x 1/4" male with 15º bend
LABX05	Lance 50cm; 1/4" male x 1/4" male with 15º bend
LABX07	Lance 70cm; 1/4" male x 1/4" male with 15º bend
LABX09	Lance 90cm; 1/4" male x 1/4" male with 15º bend
LABX12	Lance 120cm; 1/4" male x 1/4" male with 15º bend

Article no.	Description
LACB05	Insulated (blue) lance 50cm; 1/4" male x 1/4" male
LACB06	Insulated (blue) lance 60cm; 1/4" male x 1/4" male

Article no.	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

Article no.	Description
LABP07	Insulated (black) lance 70cm; 1/4" male x 1/4" male with 15º bend
LABP09	Insulated (black) lance 90cm; 1/4" male x 1/4" male with 15º bend

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

For example, a 50 cm lance with quick coupling and nozzle 2560* with blue EPDM protection has article code: **LACX05ASPB2560**
(* Indicate which type of nozzle is required)

Lance holder for foam and rinsing lances

Article no.	Description
REKBEN4	Stainless steel lance holder for 4 lances. dimensions: L x W: 21,7 x 4 cm

Stainless steel nozzle protection

NOPROT1/4-RA

Stainless steel Nozzle protection with 1/4" female thread x adapter for quick coupling. The nozzle is not included. The quick coupling allows you to connect it directly to the gun. Together with a complete lance you have a versatile combination for all kinds of cleaning activities.

NOPROT1/4-RVS

Stainless steel nozzle guard with 1/4" female thread x 1/4" female thread. This stainless steel nozzle guard can be combined with, for instance, a stainless steel rinse lance from the LACX, LABX, LACB or LACP series. The nozzle is not included.

Handles in brass or stainless steel

Brass or stainless steel handle with ergonomically shaped non-slip cover, with 2 x 1/2" BSP female thread connections. This model has two flat sides for easier mounting. Using this handle makes it comfortable to work with a nozzle such as the AKMSHHL1-BL / AKRSHHL1-BL for long periods of time.

Article number brass: GRIPML1-B

Article number stainless steel: GRIPRL1-B

Brass or stainless steel handle with non-slip cover, with 2 x 1/2" BSP female thread connections. Using this handle makes it comfortable to work with a nozzle such as the AKMSHH4-BL / AKRSHH4-BL for long periods of time. It is available in 3 colours blue, white and red.

Brass version with non-slip cover

Stainless steel version with non-slip cover

Article number brass

GRIPM01-B Blue
GRIPM01-W White
GRIPM01-R Red

Article number stainless steel

GRIPR01-B Blue
GRIPR01-W White
GRIPR01-R Red

Technical specifications

	GRIPM01-B/R/W	GRIPR01-B/R/W	GRIPML1-B	GRIPRL1-B
Inner material	Brass	Stainless steel	Brass	Stainless steel
Outer cover material	EPDM	EPDM	EPDM	EPDM
Connections	2x 1/2" BSP fem.	2x 1/2" BSP fem.	2x 1/2" BSP fem.	2x 1/2" BSP fem.
Dimensions L x ø in mm	105 X 44	105 X 44	115 x 44	115 x 44
Weight in gram	320	355	310	345

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 25º 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 Spray angle 0°	5°	15°	25°	40°	50°	65°	Capacity size	Capacity (liters per minute) 0,4	0,7	1,5	2	3	4	6	7	15	20	25	35	40	45	60	80	100	140	170	200
•		•	•	•			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

= Pressure in bar

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 : Kunststof volgens EU-verordening 1935/2004/EG
Mounting : Between nozzle and lance

Article no.	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
Mounting : Pressed over the nozzle

Article no.	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)

Examples of assembled lances

Can be used both with the protected ball valves and with cleaning guns with quick coupling.

ADAPN1/2-F	NOZ50200 # (50º sprayangle; 200 l/min at 20 bar)	NORPON1/2-W	ADAFN1/2-NR-NW
ADAPN1/4-F-S (korte uitvoering)	NOZ2530 * (25º sprayangle; 30 l/min at 20 bar)	NOPROT1/4-B **	ADASN1/4-2530B
ADAPN1/4-F (lange uitvoering)	NOPRON1/4-R ***	NOZ4015 * (40º sprayangle; 15 l/min at 20 bar)	ADAPN1/4-4015NR
LANCM22-A (22cm) LANCM50-A (50cm) LANCM60-A (60cm)	NOZ50200 # (50º sprayangle; 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 * (15º sprayangle; 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 * (0º sprayangle; 30 l/min at 20 bar)	LACP07ASNZ0030 (70cm) LACP09ASNZ0030 (90cm) LACP12ASNZ0030 (120cm)
LACX02A (25cm) LACX06A (60cm) LACX09A (90cm) LACX12A (120cm)	NOPROT1/4-RVS	NOZ2530 * (25º sprayangle; 30 l/min at 20 bar)	LACX02ARR1530 (25cm) LACX06ARR1530 (60cm) LACX09ARR1530 (90cm) LACX12ARR1530 (120cm)

* Stainless steel nozzle with ¼" male thread (see page Nozzles)
** EPDM protection for ¼" nozzle in several colours (see page nozzleprotections)
*** Nylon protection for ¼" nozzle in various colours (see page nozzle protections)
# Foam nozzle ½" male thread.

Lightweight foam gun

Technical data

- Lightweight (660 grams)
- Very robust
- Glass fibre reinforced PA66 (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. Pressure 12 bar
- Max. Temperature 50 °C
- Connection ½" BSP female thread

Article no. AKNLFW2

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

The performance is good from about 2.5 bar and excellent from 3.5 to 4 bar. The foam lance has a wide shaped exit and produces a broad foam jet for efficient cleaning of large areas. The same foam lance can then be used to rinse the treated surface clean.

The above AKNLFW2 is a gun and foam lance as a fixed combination. We also offer a more flexible combination, namely a plastic spray gun with quick coupling and the foam lance with adapter connection. The quick-coupling allows you to choose flexibly for foaming and cleaning with a lance.

You can also choose a variant in stainless steel, brass (chrome plated) or plastic cleaning gun with a steel (stainless steel) quick coupling.

LANFA02

AKRLCP2-B **Stainless steel**
AKCLCP2-B **brass chrome plated**
KLMLCP2-B **brass**
AKNLCP2-B **PA66**

Heavy duty spray gun with adapter outlet

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

The adapter output is made to allow use without accessories.

Adjustable jet

For use in

- Food industry
- Kitchen
- fish and meat industry

Picture	Article number	Description
	AKMNAP2-B	Brass spray gun with adapter outlet with bracket. Max. Temp. 95 °C, Max. pressure 24 bar and a weight of 960 g.
	AKMNA02-B	Brass spray gun with adapter outlet. Max. Temp. 95 °C, Max. pressure 24 bar and a weight of 960 g.
	AKNNA02-B	Plastic (pa66) spray gun with adapter outlet. Max. Temp. 50 °C, Max. pressure 12 bar and weight of 550 g.

Accessoires voor het spuitpistool met adapter-uitgang

Picture	Article no.	Description
	LANFC01 LANFRC1	Nylon foam lance with brass chromed quick-release coupling Nylon foam lance with st. steel quick-release coupling
	LANFC02	Foam wand, Foam lance with brass chrome-plated quick-release coupling
	LANFC30 LANFC60 LANFC90	Lance st. st. 30cm with brass chromed quick-release coupling and foam lance Lance st. st. 60cm with brass chromed quick-release coupling and foam lance Lance st. st. 90cm with brass chromed quick release coupling and foam lance
   protected nozzle	LARC030 LARC060 LARC090	St. st. lance 30cm with brass chromed quick-release coupling and rinsing nozzle St. st. lance 60cm with brass chromed quick-release coupling and rinsing nozzle St. st. lance 90cm with brass chromed quick-release coupling and rinsing nozzle
	TANKC01	Gel/foam tank (1L) with brass chromed quick-release coupling
	TANK01-D	Separate tank (1L) with lid, both in plastic
	KITF01	Foam kit, with 15-metre hose, AKNNA02-B plastic gun, TANKC01, manual and matching fittings. All packed together in sturdy box. Also available with an extra TANK01-D (article no. **KITF01A**).

For the adapter of this gun, separate quick-release couplings are available with 3/4" bore and flat seal. These are in either brass chromed or stainless steel and go under the article numbers AKC1121-GHT (brass chromed) and AKR1121-GHT (stainless steel).

Foam kit KITF01A

An advantageous professional and practical set for efficient foaming, disinfecting and rinsing of small and medium-sized areas. Application areas: industrial kitchens, butchers, supermarkets, saunas, etc.

This kit includes all parts to start work immediately. You only need one tap to connect the included hose on to.

Foaming

Rinsing

Position	0	1	2	3	4	5
Concentration	12%	3,5%	3%	2,25%	1,5%	0,75%

Content of foam kit KITF01A		
Photo	**Article number**	**Description**
	AKNNA02-B	Water gun with glass reinforced PA6 body. Shaft with EPDM/VITON O-ring, and chrome plated adapter output.
	TANKC01	1 Litre gel/foam tank with dosing head, foam lance, suction straw and quick release coupling.
	TANK01-D	1 Litre gel/foam tank with lit.
	TC13-15-44-C	15 m PVC hose 12 mm with 2x quick release NiTO CLICK coupling.
	AK59640A3	NiTO CLICK 1/2" chrome plated adapter with 1/2" BSP male thread.
	AK5961GA3	NiTO CLICK 1/2" chrome plated adapter with 1/2" + 3/4" BSP and M22x1 female thread.

Optional: stainless steel hose support REKFR30

NiTO I Water gun

Article number AK53800A1

The gun has a modern design, very functional and made of durable materials. Suitable for spraying, watering, cleaning in both the light industrial and domestic sectors.

Technical data

Working pressure / temperature:

- Max. 6 bar at max. 40 °C
- Max. 4 bar at max. 60 °C

Flow rate at 3 bar:

- 8,5 L/min. with narrow jet
- 10,5 L/min. with wide jet

Features:

- Complete linear flow control - from low to high flow
- Adjustment from narrow to wide spray pattern
- Trigger with on/off and lock function
- Equipped with a ½" quick release adapter at the inlet
- Can be connected to ½" or ¾" hoses
- 295 gram in weight

NiTO II Heavy-duty water gun

Article number: AK30550A3

The NiTO ll spray gun is thermally insulated and has an adjustable spray angle, from narrow to wide (60°). Suitable for "heavy" applications with a water temperature of up to 90 °C and a flow rate of 40 L/min. It is equipped with 3/4" BSP female thread, and the operating lever is lockable to prevent unintended use.

Technical data

- Maximum pressure: 25 bar
- Maximum temperature: 90 °C
- Maximum flow at 5 bar: 60 L/min. (When using Nozzle 6)
- Full linear flow control, from low to high
- Adjustment from narrow to wide spray pattern (60° angle)
- Trigger with on/off and lock function
- ¾" BSP female thread inlet
- Can be connected to ½" or ¾" hoses
- 700 gram in weight

The NiTO || comes standard with a nozzle with a capacity of 40L/min. A separate set of nozzles is available for the gun. This allows you to increase or decrease the capacity of the gun. The separately available set contains nozzles with a capacity of 20L/min, 30L/min and 60L/min and an Allen key. Article number AK30210A0

NiTO ERGO hot-water gun

Article number: AK40525A3

The NiTO ERGO hot water gun is thermally insulated and the ergonomic handle allows long working hours. The water jet is variable and the operating lever can be locked - an advantage in long-term cleaning operations.

Technical data

- Max. pressure :12 bar
- Max. temperature : 80 °C
- Max. flow : 26 L/min at 2,5 bar
  : 50 L/min at 5,0 bar
  : 58 L/min at 7,5 bar
- Full linear flow control, from low to high
- Adjustment from narrow to wide spray pattern
- Trigger with on/off and lock function
- ½" quick connect adapter at the inlet
- Can be connected to ½" or ¾" hoses
- 500 grams in weight

Showerhead in plastic

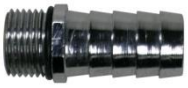
Ergonomically shaped, lightweight hand shower for rinsing meat, vegetables, etc. The shower is made of high-quality plastic with high resistance to chemicals. Its design makes it comfortable to hold and has a good grip.

Article number: AKKS003-B

Housing	PA66 (FDA)
Seals	EPDM (FDA)
Max. pressure	8 bar
Max. temp.	80 °C
Weight	260 g
Connection	½" BSP female

Article number: AKKS003-W

Matching hose tails with EPDM O-ring (order separately)

Picture	Article no.	Description
	MESC013	13 mm x ½" BSP Male
	MESC016	16 mm x ½" BSP Male
	MESC019	19 mm x ½" BSP male

Air / water gun

Article number: AKAWLU1-B

The gun is made of cast aluminium and has a blue rubber handle and nozzle. The operating lever opens and closes both the water and air supply.

The air-water mixture delivers high impact force at relatively low water consumption. This gun is mainly used in the food industry for cleaning mesh aprons and gloves and slaughtering utensils. Also cleaning machines, surfaces and vehicles. Also consider cleaning screens, conveyor belts, grates, etc...

Housing / Lever	Aluminium
Hose tails	Brass
Nozzle	Plastic
Max. pressure	5 bar
Connection	2x 10 mm 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.

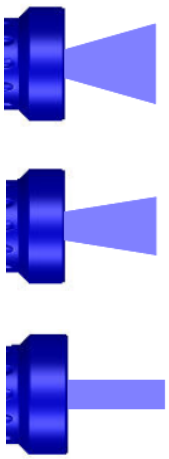
Article numbers:

Brass versions : **AKMSHHL1-BL** (head) or **AKMSHL1-B** (head with blue grip GRIPML1-B)
Stainless steel versions : **AKRSHHL1-BL** (head) or **AKRSHL1-B** (head with blue grip GRIPRL1-B)

Technical data

	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

Water flow in L/min at fully opened nozzle, depending on pressure



Adjustable spray pattern

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

Also available:
Spray gun in brass, brass chromed, stainless steel (AISI 316) and lightweight plastic PA66.
Special spray guns for: hot water, high water flow, (foam) lance mounting, sterilisable, ATEX and Spray guns with an "NPT" - thread (USA) connection.

Heavy duty spray head

The stainless steel version is food-approved acc. (EC) No 1935/2004 and (EC) No 10/2011.

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

This spray head is a handy nozzle for powerful cleaning with plenty of water.
The water jet is adjustable by turning the head. This also opens or closes the nozzle. With this nozzle, we recommend the GRIPM01- /GRIPR01-Series handles, available in brass or stainless steel.

Brass

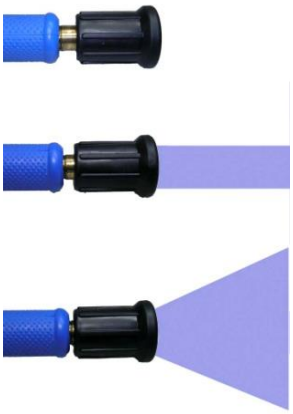
AKMSH03-B	**Blue**
AKMSH03-R	**Red**
AKMSH03-W	**White**
AKMSHH4-BL	**Head black**

Stainless steel

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

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

Water flow in L/min at fully opened nozzle, depending on pressure



Adjustable pattern turnable head

Technical data

- Brass or stainless-steel housing
- Max. pressure 16 Bar
- Max. temperature 80 ºC
- 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

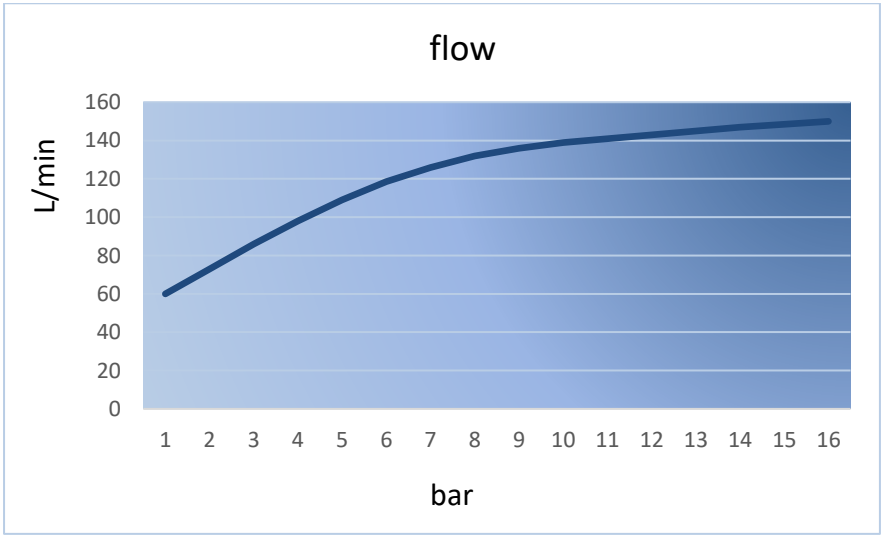
Lightweight Spray Head

Article number: 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 data

- 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 ¾" BSP male



Water flow in L/min at fully opened nozzle, depending on pressure

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.

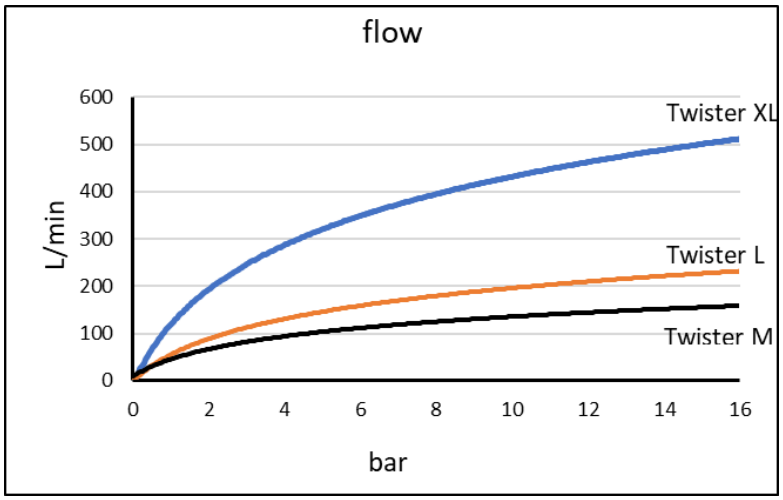
TWRWR01XL

TWRWR02L

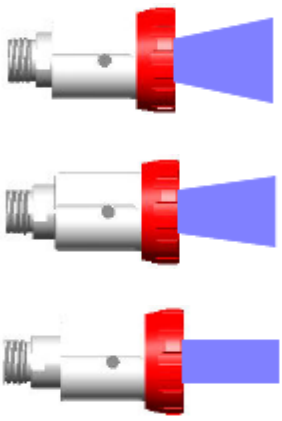
TWRWR02M

Technical Data

	TWRWR01XL	TWRWR02L	TWRWR02M
Weight	800 g.	480 g.	345 g.
Dimensions (L x D)	120 x 79 mm	116 x 63 mm	113 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)	n.a.	n.a.
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



Water flow in L/min at fully opened nozzle, depending on pressure



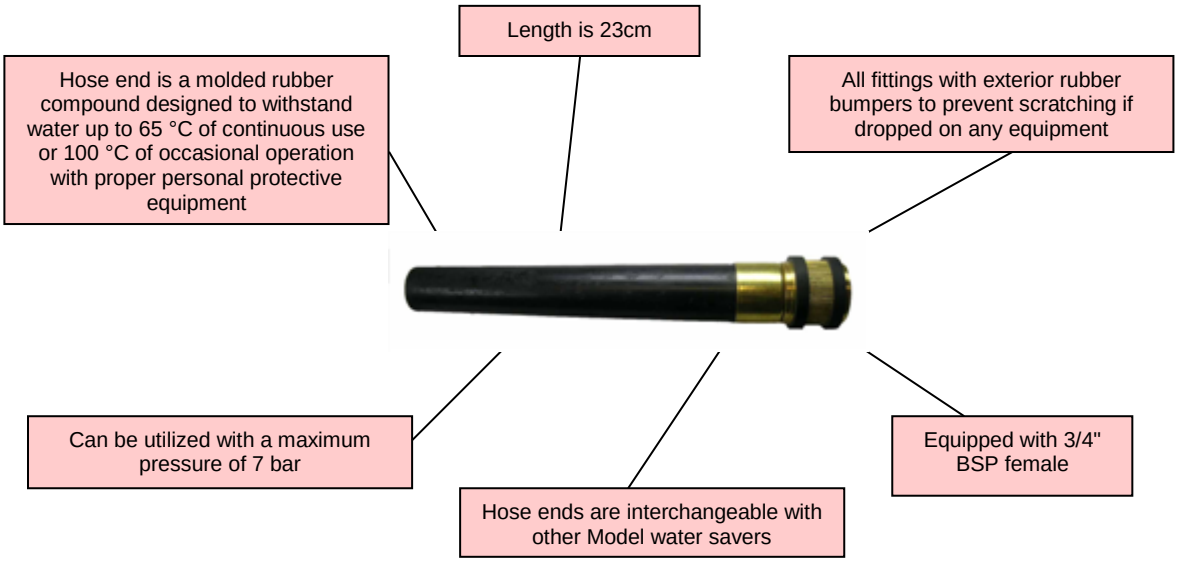
Adjustable spray pattern

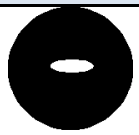
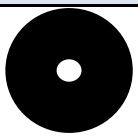
Applications

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 no. brass versions:			
AKWMS01	**AKWMM01**	**AKWML01**	**AKWMR01**
Article no. stainless steel (304) versions with FDA rubber:			
AKWRS01	**AKWRM01**	**AKWRL01**	**AKWRR01**
			
Model S: flat beam spray pattern flow at 4,5 bar = 13 l/min	***Model M:*** big flow Ø 13mm flow at 4,5 bar = 23 l/min	***Model L:*** medium flow Ø 9mm flow at 4,5 bar = 23 l/min	***Model R:*** less flow Ø 4,5mm flow at 4,5 bar = 17 l/min

Blue Nozzle

The unique and economical water sprayer for industrial use

Article number: 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. If you let go of the rubber spout, the water pressure closes a valve and the spraying stops immediately.

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.

Technical data

- Available with ¾" 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

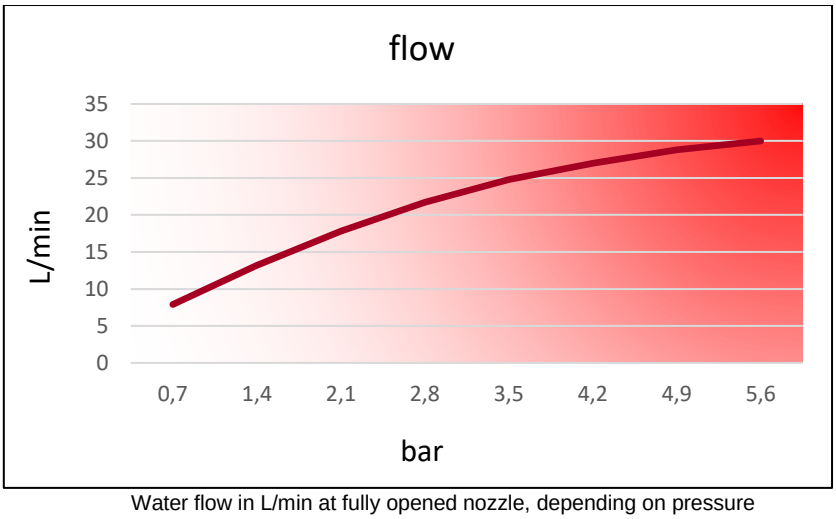
AGIL572 Light duty water gun

Article number: AGIL572

Technical data

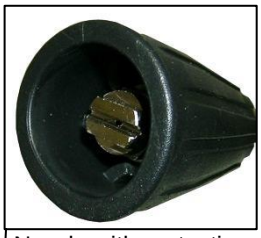
- Full size, chrome plated zinc body
- Insulated Moulded grip for spraying hot or cold water
- Ideal for commercial or industrial use
- Brass head insert for maximum resistance to hot water
- Male hose threaded front for attaching accessories
- Solid brass valve stem with permanent adjusting nut
- Hold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

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**



Water flow in L/min at fully opened nozzle, depending on pressure

High pressure water gun and lance



Nozzle with protection

Adapter for quick release coupler

Quick release coupler

Technical data high pressure water gun

Material	: Brass / Plastic
Inlet	: 3/8” female thread
Outlet	: Quick release coupler
Max. pressure	: 310 bar
Max. temperature	: 150 ºC
Max. flow	: 30 l/min

Technical data high pressure lance

Material	: Stainless steel / Plastic
Inlet	: Adapter for quick release coupler
Outlet	: ¼” female thread
Max. pressure	: 280 bar
Max. temperature	: 150 ºC
Max. flow	: 40 l/min

Article number

HDRPIST	High pressure water gun
HDRL070	St.st. lance 70cm without nozzle
HDRL090	St.st. lance 90cm without nozzle
HDRL120	St.st. lance 120cm without nozzle
HDRL070-2506	St.st. lance 70cm with nozzle
HDRL090-2506	St.st. lance 90cm with nozzle
HDRL120-2506	St.st. lance 120cm with nozzle
HDR1070-2506	Watergun with 70cm lance and 2506 nozzle
HDR1090-2506	Watergun with 90cm lance and 2506 nozzle
HDR1200-2506	Watergun with 120cm lance and 2506 nozzle
NOZ2506	St.st. nozzle spray angle 25º, capacity: 100 bar = 14 l/min; 200 bar = 19 l/min *(other nozzle available from stock)*

OPTIONAL

HDRSWIV-3/8
High pressure nickel plated brass swivel 3/8” male x 3/8” female (max. 350 bar / 90 ºC)
(Also available in st.st. HDRSWIV-3/8-R)

AKBO ball bearing swivels

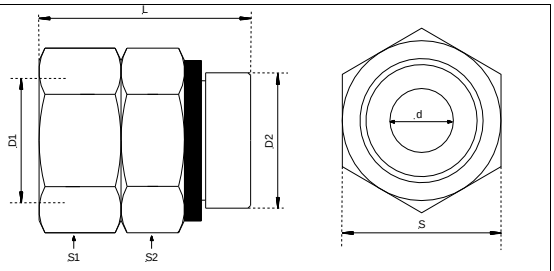
AKBO ball-bearing swivels are available in brass, chrome-plated brass and stainless steel (AISI 316).

Using a ball-bearing swivel fitting on a hose with a water gun will have a positive effect on operator comfort and hose lifespan.

The brass swivel fittings use EPDM (FDA) seals, while the stainless steel versions have VITON (FDA) seals.
The swivel fittings can be used up to an operating pressure of 30 bar and up to a temperature of 95 ºC.

Other sizes are available on request.

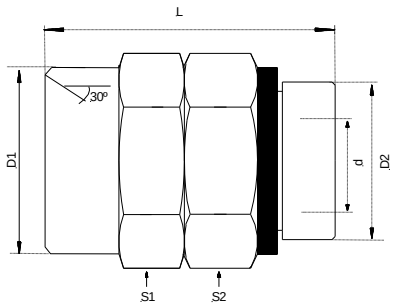
Male / Female



			Dimensions L, d, S1,and S2 in mm					
Brass	**Chrome plated**	**Stainless steel**	**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

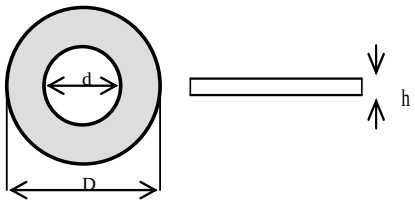
On request



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)**	**Dimensions in mm**		
Male side	**Male side**	**d**	**D**	**h**
SWSEM 1/2	**SWSVM 1/2**	17	26	2
SWSEM 3/4	**SWSVM3/4**	23,5	32	2
Female side	**Female side**			
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

Swivel hose tails can be used for a swivel connection between a flexible hose and spray gun for more comfort in use and a longer life span of the hose. The hose tails are available in 10mm, 13mm, 16mm and 19mm, in brass and stainless steel. These hose fittings are designed for low pressure up to 24 or 40 bar. The seals for the brass versions are of EPDM (FDA) and for the stainless steel versions of VITON (FDA).

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

<u>The inside-hose-protection-spring</u>
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 lifespan of the hose.

Without spring

With spring

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

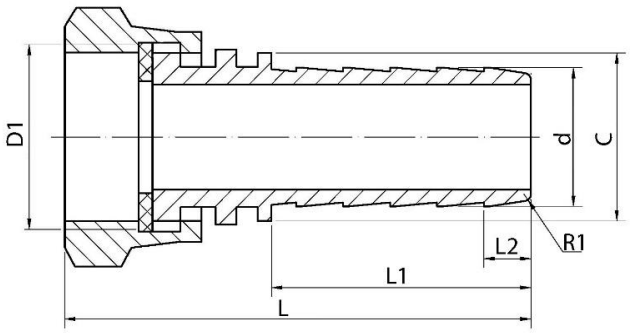
Stainless steel hose tails with screw cap

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 ¾" female thread
- 19 mm tail with 1" female thread
- 25 mm tail with 1" female thread

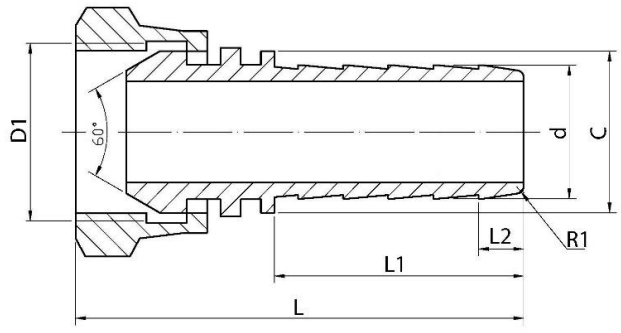
The hose tails are available with 60º conical seal and with flat seal. All hose tails do have a high-quality finish with a rounded edge at the end of the hose tail to prevent any damage to the hose.

Material : AISI 316
Seal : VITON Flat seal



Article number	d(mm)	D1(BSP)	C(mm)	L(mm)	L1(mm)	L2(mm)
RVSW13C17-12F	13,6	½"	17	59,0	31,0	6.7
RVSW13C17-34F	13,6	¾"	17,0	60,5	31,0	6,7
RVSW13C20-12F	13,6	½"	20,0	60,5	31,0	6,7
RVSW13C20-12FS*	13,6	½"	20,0	60,5	31,0	PM
RVSW13C20-34F	13,6	¾"	20,0	60,5	31,0	6,7
RVSW19C24-34F	19,8	¾"	24,0	66,5	37,0	6,7
RVSW19C24-1F	19,8	1"	24,0	66,5	37,0	6,7

Materiaal : AISI 316
Dichting : 60º Conical seal

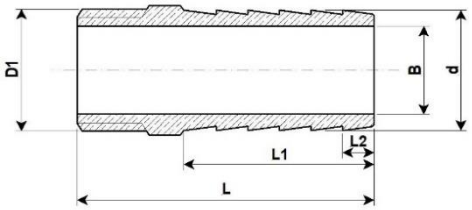


Article number	d(mm)	D1(BSP)	C(mm)	L(mm)	L1(mm)	L2(mm)
RVSW13C17-12C	13,6	½"	17,0	60,5	31,0	6,7
RVSW13C20-12C	13,6	½"	20,0	60,5	31,0	6,7
RVSW19C24-34C	19,8	¾"	24,0	66,5	37,0	6,7
RVSW19C24-1C	19,8	1"	24,0	69,5	37,0	6,7
RVSW25C36-1C	25,0	1"	36,0	69,5	40,0	6,7
RVSW16C21-12C	16,8	½"	21,0	60,0	31,0	7,2
RVSW16C21-12CS*	16,8	½"	21.0	63,0	34,0	PM

Hose tails marked with * are equipped with an approx. 20 cm long anti-kink spring. This spring ensures that the hose does not kink on the side of the gun and also increases the hose's lifespan. See page "Swiveling hose tails" for explanation.

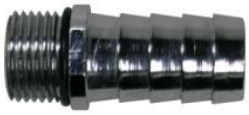
Hose tails

Brass

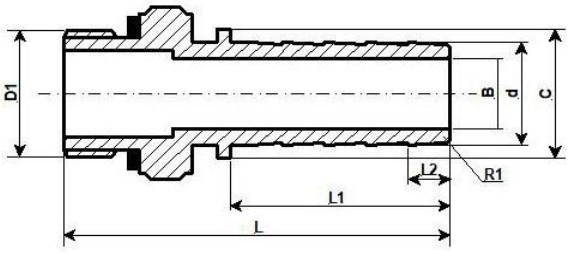


Article number	d(mm)	D1(BSP)	B(mm)	L(mm)	L1(mm)	L2(mm)
MESS013	14,0	½"	10,0	48,0	30,0	5,0
MESS019	20,4	½"	15,0	48,0	30,0	5,0
MESS019-3/4T	20,4	¾" (BSPT)	15,0	61,0	38,0	5,4
MESS025	25,0	½"	19,8	58,0	37,0	3,0

Chroome plated brass with EPDM O-ring

Picture	Article number	Description
	MESC013	**13mm x ½" BSP male**
	MESC016	**16mm x ½" BSP male**
	**MESC019**	**19mm x ½" BSP male**

Stainless steel (AISI 316) with Viton seal



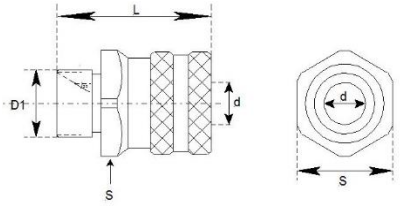
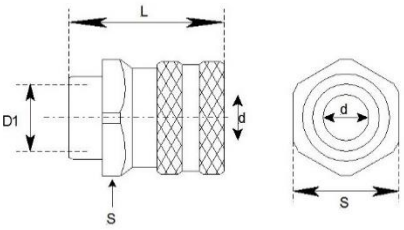
Article number	d(mm)	D1(BSP)	B(mm)	C(mm)	L(mm)	L1(mm)	L2(mm)
RVST013-C17	13,6	½"	9	17	58,5	31	6,7
RVST013-C17-SP *	13,6	½"	9	17	58,5	31	6,7
RVST013-C20	13,6	½"	9	20	58,5	31	6,7
RVST013-C20-SP *	13,6	½"	9	20	58,5	31	6,7
RVST016-C21	16,8	½"	11,5	21	62,2	35	6,8
RVST016-C21-SP *	16,8	½"	11,5	21	62,2	35	6,8
RVST019-C24	19,8	½"	14	24	66,3	39	6,8
RVST019-C24-SP *	19,8	½"	14	24	66,3	39	6,8
RVST025	25,1	½"	14	-	58,3	38	3

Hose tails marked with an * are equipped with a 20cm-long anti-kink spring. This spring ensures that the hose does not kink on the side of the gun and also improves the life span of the hose. See page "Swiveling hose tails" for explanation.

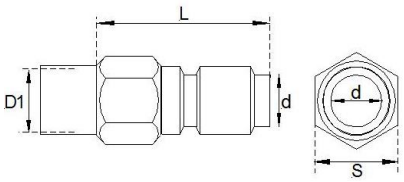
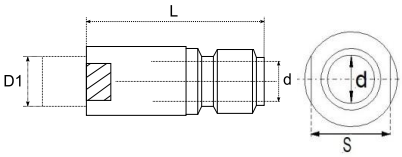
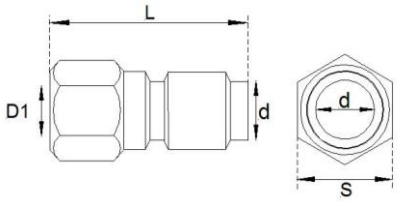
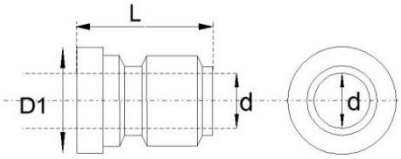
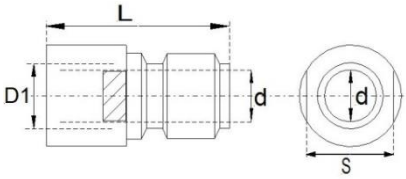
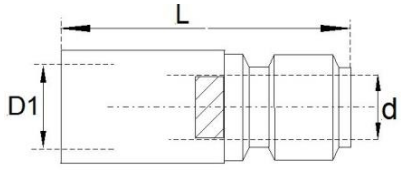
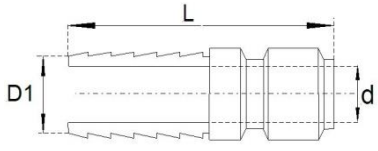
St. St. quick release couplers and adapters DN12

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

Quick release couplers		Article no.	L (mm)	d (mm)	D1 (BSP)	S (mm)
COUPL3/8-M ***COUPL1/2-M***		COUPL3/8-M COUPL1/2-M	49,5 49,5	10,0 11,8	3/8“ M 1/2” M	30 30
COUPL1/4-F ***COUPL3/8-F*** ***COUPL1/2-F*** ***COUPL3/4-F***		COUPL1/4-F COUPL3/8-F COUPL1/2-F COUPL3/4-F	44,0 44,0 44,0 44,0	11,8 11,8 11,8 11,8	1/4” F 3/8” F 1/2” F 3/4” F	30 30 30 32

COPROT1-B (blue) ***COPROT1-BL (black)*** ***COPROT1-Y (yellow)*** EPDM protection for COUPL… series couplers	***COUPL1/2-F-B*** (COUPL1/2-F + COPROT1-B)	***COPRON2-B*** NYLON protection for COUPL… series couplers	***COUPL1/2-NB*** (COUPL1/2-M + COPRON2-B)

Adapter		Article no.	L (mm)	d (mm)	D1 (BSP)	S (mm)
ADAPT3/8-M ***ADAPT1/2-M***		ADAPT3/8-M ADAPT1/2-M	39,0 39,8	10,4 11,8	3/8” M 1/2” M	22 22
ADAPN1/4-M		ADAPN1/4-M	42,0	8,0	1/4” M	16
ADAPT1/4-F ***ADAPT1/2-F***		ADAPT1/4-F ADAPT1/2-F	40,3 49,3	11,8 11,8	1/4” F 1/2” F	22 27
ADAPW-11,5		ADAPW-11,5	30,0	11,5	19,9	-
ADAPN3/8-F ***ADAPN1/2-F***		ADAPN3/8-F ADAPN1/2-F	42,0 42,0	11,5 11,5	3/8” F 1/2” F	19 22
ADAPN1/4-F ***ADAPN1/4F-S***		ADAPN1/4-F ADAPN1/4-S	55,2 40,3	11,5 11,5	1/4” F 1/4” F	17 17
ADAPH13 ***ADAPH16*** ***ADAPH19***		ADAPH13 ADAPH16 ADAPH19	57,5 64,0 65,2	10,0 10,0 10,0	D1 (mm) 12,8 – 13,3 15,8 – 16,8 19,1 – 19,9	

Stainless steel couplers and adapters DN20

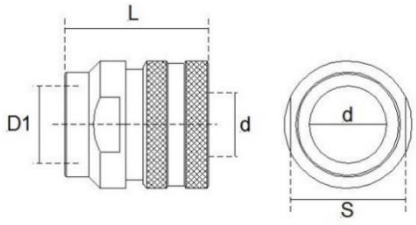
This series of couplers and adapters with big bore, 18mm, exist besides the standard version also with non-return valve for as well the coupler as for the adapter. The valve of the coupler can be opened with a standard adapter. However the valve of the adapter can only be opened with the coupler with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

Technical data

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

Quick release coupler and adapters DN20

COUP200-3/4F

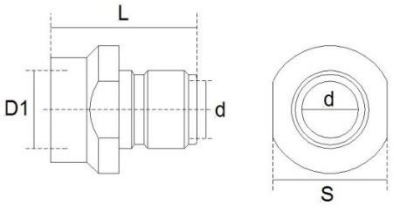


COUP200-3/4F : Coupler with 3/4" female

Article no.	L	d	D1	S
COUP200-3/4F	45,0	20,0	3/4"	36

L, d en S in mm

ADAP200-1/2F
ADAP200-3/4F



Also fits with COUP20V-1/2F

ADAP200-1/2F : Adapter with 1/2" female

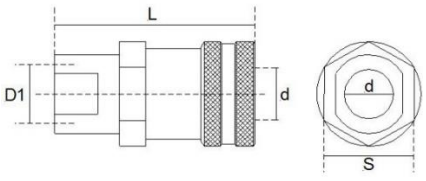
ADAP200-3/4F : Adapter with 3/4" female

Article no.	L	d	D1	S
ADAP200-1/2F	46,0	18,0	1/2"	26
ADAP200-3/4F	46,0	18,0	3/4"	36

L, d en S in mm

Quick release coupler and adapters DN20 with valve

COUP20V-1/2F

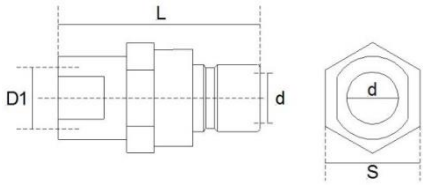


COUP20V-1/2F : Coupler with valve, 1/2" female

Article no.	L	d	D1	S
COUP20V-1/2F	76,7	20,0	1/2"	36

L, d en S in mm

ADAP20V-1/2F



Does not fit COUP200-3/4F

ADAP20V-1/2F : Adapter with valve, 1/2" female

Article no.	L	d	D1	S
ADAP20V-1/2F	76,7	18,0	1/2"	36

L, d en S in mm

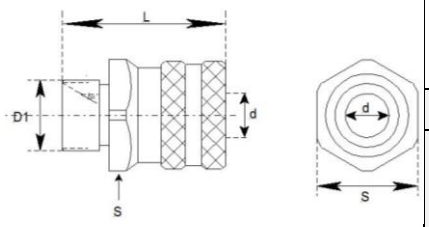
St. St. quick release couplers and adapters
(“Snap-Tite” compatible)

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 data	
Body/ring	: AISI 303
Spring/locking ring	: AISI 301
Balls	: AISI 420
Seal	: VITON (FDA)
Max. pressure	: 200 bar
Max. temperature	: 100 ºC

Quick Release Couplers

COUSB1/2-M

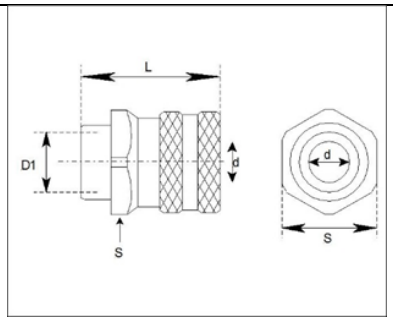


COUSB1/2-M : Quick release coupler 1/2” BSP male

Article no.	L	d	D1	S
COUSB1/2-M	47,0	11,0	1/2”	30,0

L, d and S in mm

COUSB1/2-F



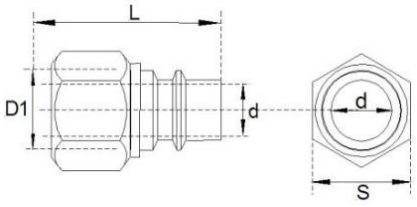
COUSB1/2-F : Quick release coupler 1/2” BSP female

Article no.	L	d	D1	S
COUSB1/2-F	41,4	16,0	1/2”	30,0

L, d and S in mm

Adapters

ADSNB1/2-F

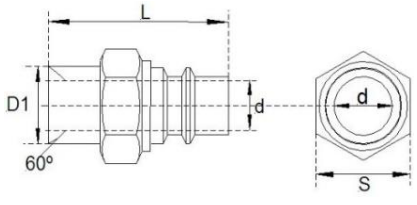


ADSNB1/2-F : Adapter 1/2” BSP female

Article no.	L	d	D1	S
ADSNB1/2-F	37,5	11,8	1/2”	27

L, d and S in mm

ADSNB1/2-M



ADSNB1/2-M : Adapter 1/2” BSP male

Article no.	L	d	D1	S
ADSNB1/2-M	45,3	11,8	1/2”	22

L, d and S in mm

NITO water couplers

Technical data

	Chrome plated Brass	St. steel (AISI 316L)
seal	Nitrile	VITON
Max. press.	25 bar	25 bar
Max. temp.	-30 ºC tot +100 ºC	-20 ºC tot +150 ºC

• 1/2" SERIES

Picture	Article no. Brass chrome plated	Article no. Stainless steel	Omschrijving
	AK53500A3 AK53520A3 AK5352GA3	AK54500A3 AK54520A3	NITO 1/2" coupler with ½" BSP female + flat seal NITO 1/2" coupler with ¾" BSP female + flat seal NITO 1/2" coupler with ½" + ¾" female BSP + M22x1 female + flat seal
	AK5350NA3 AK5352NA3	AK5450NA3	NITO 1/2" coupler with ½" BSP male NITO 1/2" coupler with ¾" BSP male
	AK5349SA3 AK5350SA3 AK5350CA5 AK5351SA3	AK5450SA3	NITO 1/2" koppeling met ⅜" tule NITO 1/2" koppeling met ½" tule NITO 1/2" koppeling met ⅝" tule NITO 1/2" koppeling met ¾" tule
	AK5353RA3 AK53530A3	AK54530A3	NITO 1/2" coupler with valve and ½" + ¾" BSP female NITO 1/2" coupler with valve and ¾" BSP female
	AK5353NA3		NITO 1/2" coupler with valve and ½" BSP male
	AK5353SA3 AK5354SA3	AK5453SA3	NITO 1/2" coupler with valve and ½" hose tail NITO 1/2" coupler with valve and ¾" hose tail
	AK5361BA3 AK53610A3 AK5361AA3 AK53620A3 AK5361GA3	AK54610A3 AK5461AA3	NITO 1/2" adapter with ⅜" BSP female + flat seal NITO 1/2" adapter with ½" BSP female + flat seal NITO 1/2" adapter with ¾" BSP female + flat seal NITO 1/2" adapter with M22x1 female + flat seal NITO 1/2" adapter with ½" + ¾" BSP and M22x1 female+ flat seal

Picture	Article no. Brass chrome plated	Article no. Stainless steel	Description
	AK53611A3	AK54611A3	NITO 1/2” adapter with ½” BSP male + O-ring
	AK5364BA3 AK53640A3 AK5364AA3 AK5366AA3 AK5364NA3	AK54615A3	NITO 1/2” adapter with ⅜” BSP male NITO 1/2” adapter with ½” BSP male NITO 1/2” adapter with ¾” BSP male NITO 1/2” adapter with M24x1 male NITO 1/2” adapter with M28x1 male
	AK5364TA3		NITO 1/2” adapter with ¾” male and valve
	AK5360DA3 AK5360BA3 AK53600A3 AK5360CA3 AK5360EA3	AK54600A3	NITO 1/2” adapter with ¼” hose tail NITO 1/2” adapter with ⅜” hose tail NITO 1/2” adapter with ½” hose tail NITO 1/2” adapter with ⅝” hose tail NITO 1/2” adapter with ¾” hose tail
	AK5360AA3	AK5460AA3	NITO 1/2” adapter with ¾” and ½” hose tail
	AK53650A1		NITO 1/2” adapter x ½” adapter
	AK53760A1		NITO 1/2” Y-piece 3-way adapter
• **3/4” SERIE**			
	AK63500A3	AK64500A3	NITO 3/4” coupler with ¾” BSP female + flat seal
	AK6350MA3 AK6350SA3	AK6450SA3	NITO 3/4” coupler with ⅝” hose tail NITO 3/4” coupler with ¾” hose tail
	AK63530A3	AK64530A3	NITO 3/4” coupler with valve and ¾” BSP female

Picture	Article no. Chrome plated Brass	Article no. Stainless steel	Description
	AK6353SA3	AK6453SA3	NITO 3/4” coupler with ¾” hose tail with valve
	AK6361AA3 AK63610A3	AK64610A3	NITO 3/4” adapter with ½” BSP female + flat seal NITO 3/4” adapter with ¾” BSP female + flat seal
	AK6364AA3 AK63640A3	AK64611A3	NITO 3/4” adapter with ½” BSP male NITO 3/4” adapter with ¾” BSP male
	AK6360BA3 AK6360CA3 AK63600A3	 AK64600A3	NITO 3/4” adapter with ½” hose tail NITO 3/4” adapter with ⅝” hose tail NITO 3/4” adapter with ¾” hose tail
	AK6362AA3 AK6360AA3		NITO 3/4” adapter with ½” + ¾” hose tail NITO 3/4” adapter with ¾” + 1” hose tail
• **1” SERIE**			
	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

Picture	Article no. Chrome plated Brass	Article no. Stainless steel	Description
	AK7360BA3 AK73600A3	 AK74600A3	NITO 1” adapter with ¾” hose tail NITO 1” adapter with 1” hose tail
	AK7360AA3		NITO 1” adapter with 1” + 1¼” hose tail
• **VERLOOPSTUKKEN**			
	AK53690A3 AK5369BA3 AK5369AA3 AK53700A3 AK63690A3		Nipple ½” BSP male x ¾” BSP female Nipple M22x1 male x ½” BSP female Nipple M22x1 male x ¾” BSP female Nipple ½” BSP male x M22x1 female Nipple ¾” BSP male x 1” BSP female
	AK53480A8 AK53490A8	AK54490A3	Reducer ¾” BSP male x ½” BSP & M22x1 female Reducer ¾” BSP male x ½” BSP female
	AK53670A3 AK63670A3 AK73670A3	AK54670A3 AK64670A3	Hose tail ½” with ½” BSP male Hose tail ¾” with ¾” BSP male Hose tail 1” with 1” BSP male

NITO “CLICK” Coupling system

Compatible with the most popular plastic coupler systems.

Technical data

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

Picture	1/2” SERIES	3/4” SERIES	Description
	AK59820A3		NITO CLICK coupler with ½” NITO adapter
	AK59810A3		NITO coupler with ½” CLICK adapter
	AK5952GA3	 AK69500A3	NITO CLICK coupler with M22x1, ½” and ¾” BSP female NITO CLICK coupler with ¾” BSP female
	AK5950NA3		NITO CLICK coupler with ½” BSP male
	AK5949SA3 AK5950SA3 AK5950CA3 AK5951SA3	 AK6950SA3	NITO CLICK coupler with ⅜” hose tail NITO CLICK coupler with ½” hose tail NITO CLICK coupler with ⅝” hose tail NITO CLICK coupler with ¾” hose tail
	AK59610A3 AK5961GA3	 AK69610A3	NITO CLICK adapter with ½” female NITO CLICK adapter with M22x1, ½” and ¾” BSP female NITO CLICK adapter with ¾” female
	AK59640A3 AK5964AA3	AK69640A3	NITO CLICK adapter with ½” BSP male NITO CLICK adapter with ¾” BSP male
	AK59600A3 AK5960AA3	AK6960BA3 AK69600A3	NITO CLICK adapter with ½” hose tail NITO CLICK adapter with ¾” hose tail NITO CLICK adapter with ½” + ¾” hose tail

Cleaning hose type CT

Food grade norm EG1935/2004 and FDA

Temperature:	-35 ºC tot +100 ºC (6 bar stoom tot +164 ºC)
Working press.:	30 bar
Burst press.:	90 bar
Inner tube:	Food grade, oil resistant NBR, white, smooth
Reinforcement:	Textile
Cover:	Oil and weather resistant NVC, blue, smooth

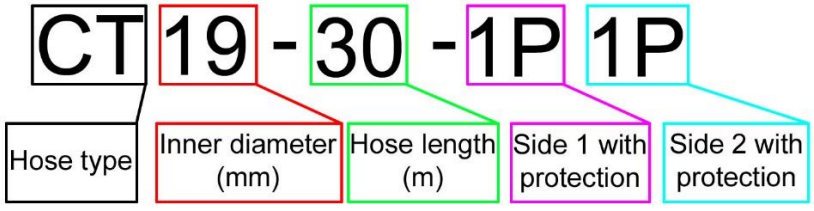
Article number	inner Ø (mm)	outside Ø (mm)	Max. available length (M)
CT13-(m)*-00	13,0	23,0	60
CT19-(m)*-00	19,0	31,0	40
CT25-(m)*-00	25,0	39,0	40

*Instead of 'm' enter the number of metres, e.g. 'CT13-20-00' for 20 metres of hose.

It's also possible to order complete assembled hoses. Below is an example of that.

In this example we mount 30 meter CT19 hose with:
Side 1: Stainless steel hose tail with ½" BSP male thread and hose protection
Side 2: Stainless steel hose tail with ½" BSP male thread and hose protection

De Article number will be as follows



The correct numbers for the various couplings can be found elsewhere in our catalogue.
Please let us know which size you want for your fitting. E.g. ½", ¾" or 1".
Also for quick couplers and adapters.

Cleaning hose type FJ13

With food grade cover

Temperature:	-40 ºC to +150 ºC
Working press.	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

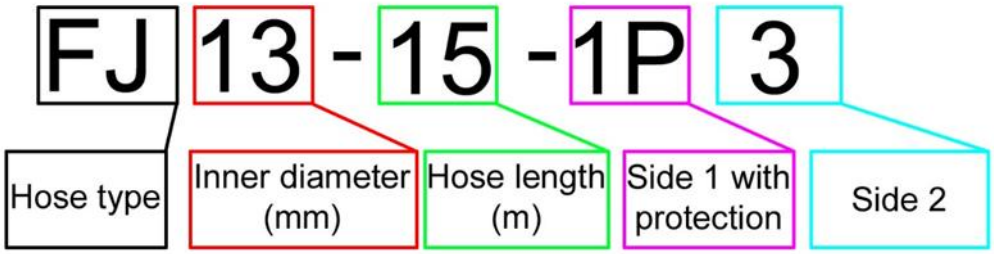
Article number	Inner ø (mm)	Outside ø (mm)	Max. availiable length (m)
FJ13-(M)*-00	13,0	19,7	100

* 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 ½" BSP male thread and hose protection
Side 2: Stainless steel hose tail with ½" BSP female screw cap with flat seal

The article number is then as follows



The correct numbers for the various couplings can be found elsewhere in our catalogue.

For this ½" (DN12) hose, there is a possibility to fit a rubber protection. See "Hose protection" for sizes and colour overview.

Please let us know what size thread you require on your fitting. E.g. ½", ¾" or 1".
Also for quick couplings and adapters.

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 40ºC for 24 hours.

Temperature:	-5ºC up to +60ºC
Working pressure:	SR13: 80 bar at 23ºC; 48 bar at 60ºC SR19: 60 bar at 23ºC; 35 bar at 60ºC
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

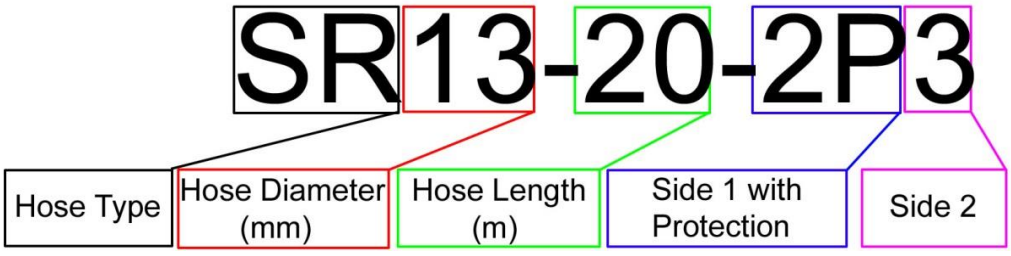
Article code	Inner Ø (mm)	Outer Ø (mm)	Weight (g/m)	Bending radius (mm)	Available lengths (m)
SR13-(m)*-00	13,0	23,0	350	45	up to 100
SR19-(m)*-00	19,0	28,0	460	100	up to 50

*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

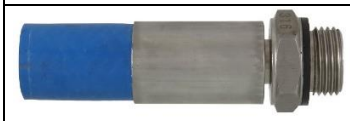
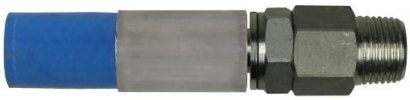
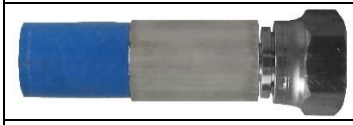
The article number will be as follows:



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

Please let us know what size thread you require on your fitting. For example, ½", ¾" or 1". Also for quick release fittings and adapters.

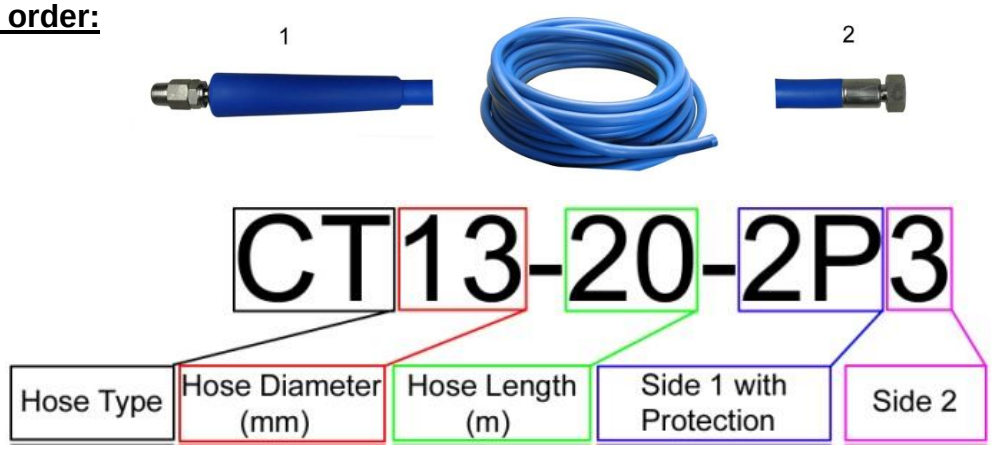
Hoses with hose connections

Option	No.	Description
	0	Open hose end
	**1**	Stainless steel hose tail with ½” BSP male thread
	**2**	Stainless steel swiveling hose tail with ½” 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

Please let us know what size thread you require on your fitting. For example, ½", ¾" or 1". Also for quick release couplers and adapters.

For ½” (DN13) and ¾” (DN19) hoses we have the option to mount a hose protection.
See page “Hose protections” for size and colour overview.

How to order:



Hose protection

We recommend the rubber hose protector to protect the hose from kinking and as a comfortable grip for the user.

They are available in different sizes and colours.

Article No. **Description**

PROHO20,5-B Rubber hose protection for hoses with max. outside diameter of Ø20,5 mm, blue
PROHO20,5-R Rubber hose protection for hoses with max. outside diameter of Ø20,5 mm, red

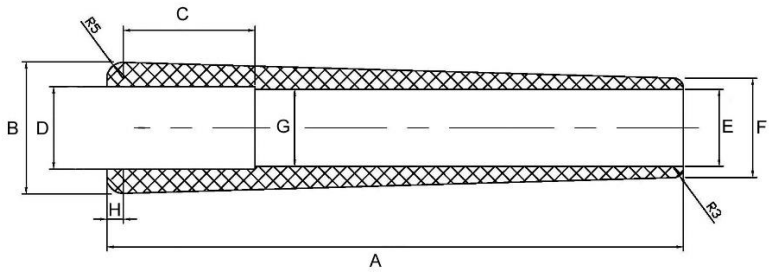
PROHO21-B Rubber hose protection for hoses with max. outside diameter of Ø21 mm, blue
PROHO21-R Rubber hose protection for hoses with max. outside diameter of Ø21 mm, red

PROHO22,5-B Rubber hose protection for hoses with max. outside diameter of Ø22,5 mm, blue

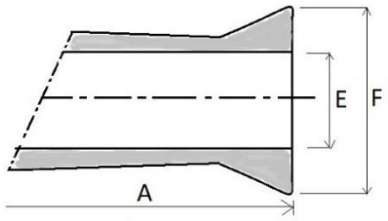
PROHO23-B Rubber hose protection for hoses with max. outside diameter of Ø23 mm, blue
PROHO23-R Rubber hose protection for hoses with max. outside diameter of Ø23 mm, red
PROHO23-Y Rubber hose protection for hoses with max. outside diameter of Ø23 mm, yellow
PROHO23-G Rubber hose protection for hoses with max. outside diameter of Ø23 mm, green

PROHO27-B Rubber hose protection for hoses with max. outside diameter of Ø27 mm, blue
PROHO28-B Rubber hose protection for hoses with max. outside diameter of Ø28 mm, blue

PROHO31-B Rubber hose protection for hoses with max. outside diameter of Ø31 mm, blue
PROHO31-R Rubber hose protection for hoses with max. outside diameter of Ø31 mm, red
PROHO31-Y Rubber hose protection for hoses with max. outside diameter of Ø31 mm, yellow
PROHO31-G Rubber hose protection for hoses with max. outside diameter of Ø31 mm, green



PROHO 21, 23, 28 and 31



PROHO 20,5 and 22,5

Dimensions in mm

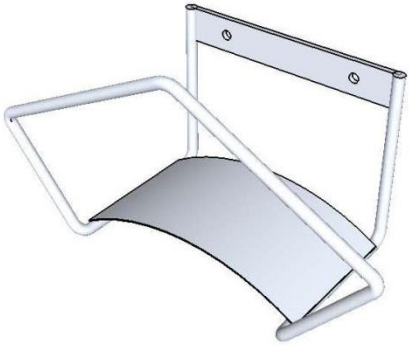
Article No.	A	B	C	D	E	F	G	H	Suitable for
PROHO20,5	146	33	n.a.	20,5	20,5	29	20,5	4	FJ13
PROHO21	175	40	40	23,5	21	30	21	5	
PROHO22,5	148	34,5	37	23	22,5	31	22.5	3	
PROHO23	175	40	40	25	23,3	30	23,3	5	CT13, SR13
PROHO27	175	43	45	28	26,5	33,2	26,5	5	
PROHO28	175	43	40	30	28,5	33,2	28,5	5	SR19
PROHO31	175	48,3	40	33,3	31,3	38	31,3	5	CT19

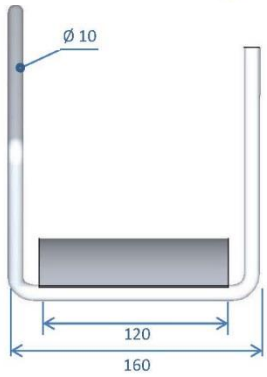
Other dimensions and/or colours available on request

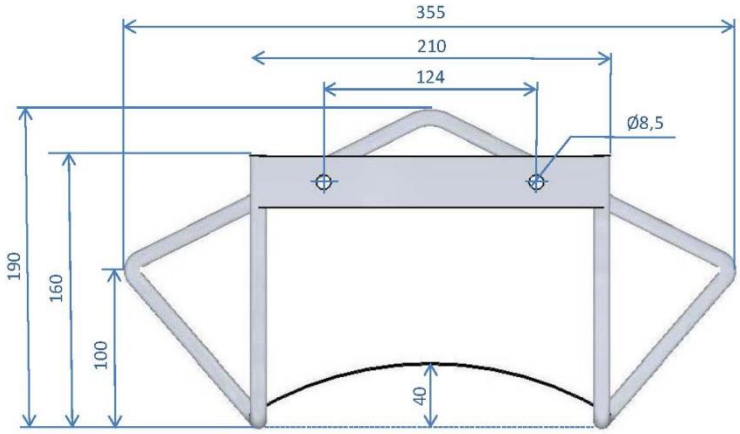
Stainless steel Hose Rack

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.

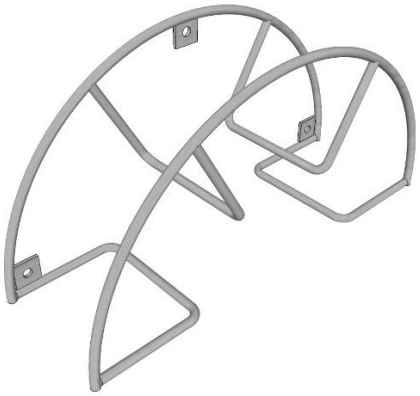
Article number : REKFR30
Stainless Steel (304) hose rack for about 25m hose ½" and 20m hose ¾", Electro polished.

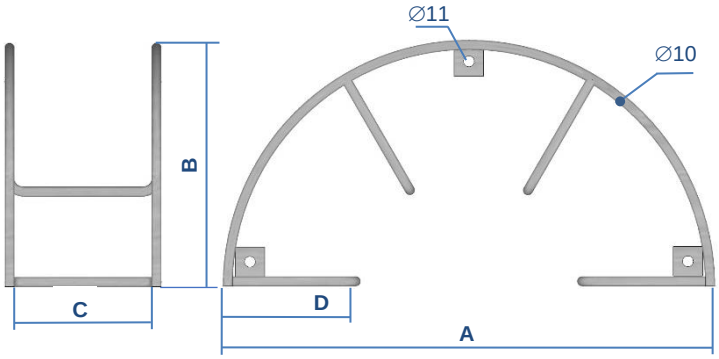






Article number: REKFR60 & REKFR70
REKFR60: Stainless Steel (304) hose rack for about 40m hose ½" and 30m hose ¾".
REKFR70: Stainless Steel (304) hose rack for about 60m hose ½" and 50m hose ¾".





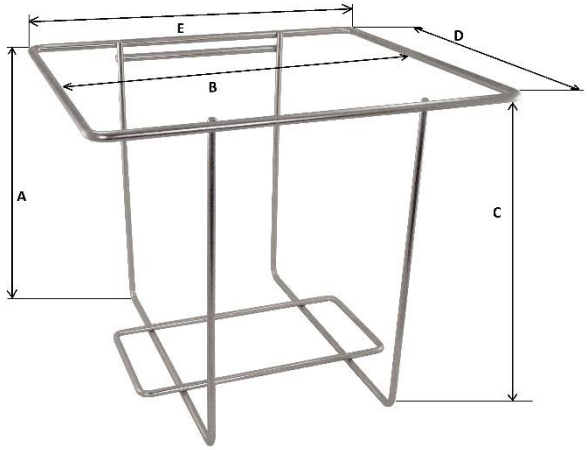
Article no.	A	B	C	D
REKFR60	510	255	140	130
REKFR70	510	255	250	130

all dimensions shown are in mm

Container racks in stainless steel (304)

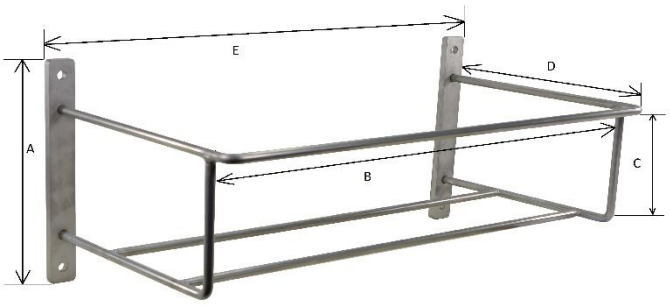
Our sturdy stainless steel racks of various sizes allow you to place 20 and 25 litre containers stably off the ground. They are available in 3 sizes, RECON20-30, RECON25 and RECON50 for 1 or 2 containers up to 30 litres.

Article number: RECON20-30
Stainless steel (304) container rack for a 20 to 30 litre container.



Article no.	A	B	C	D	E
RECON20-30	260	300	250	260	315

Article number: RECON25 and RECON50
RECON25: Stainless steel (304) container rack for one 25-litre container.
RECON50: Stainless steel (304) container rack for two 25-litre containers.



Article no.	A	B	C	D	E
RECON25	250	417	150	315	447
RECON50	250	555	150	320	585

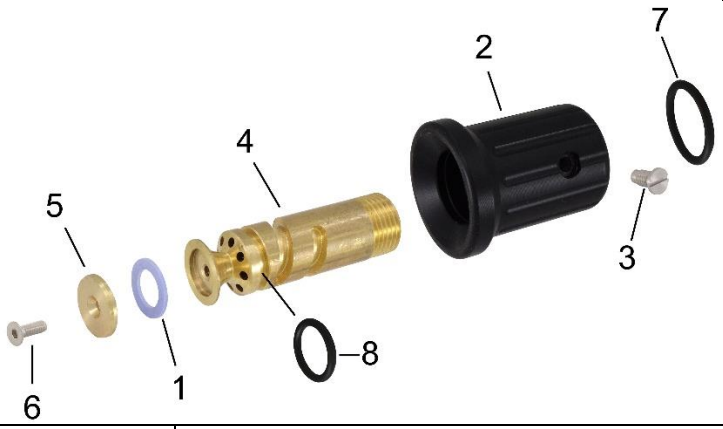
All dimensions in mm

Spare Parts

Spare parts for cleaning guns

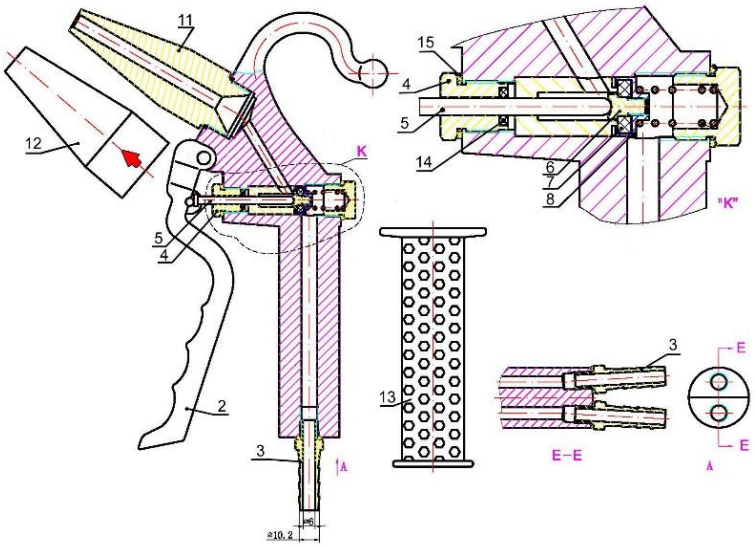
No.	Picture	Article number	Description
1		**RESAKBO** **RESAKBL** **RESAKCH** **RESAKRV** **RESAKRB**	Spare part set for brass water guns Spare part set for brass water guns with big bore Spare part set for chrome plated brass water guns Spare part set for stainless steel water guns Spare part set for 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
		RESARBT **RESRBTB**	Reparatie-set voor AKRBT01-B-U Reparatie-set voor AKRBTB1-B-U
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		**REGRIPP-B** **REGRIPP-W** **REGRIPP-R** **REGRIPP-RHP-R** **REGRIPP-G** **REGRIPP-Y** **REGRIPP-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



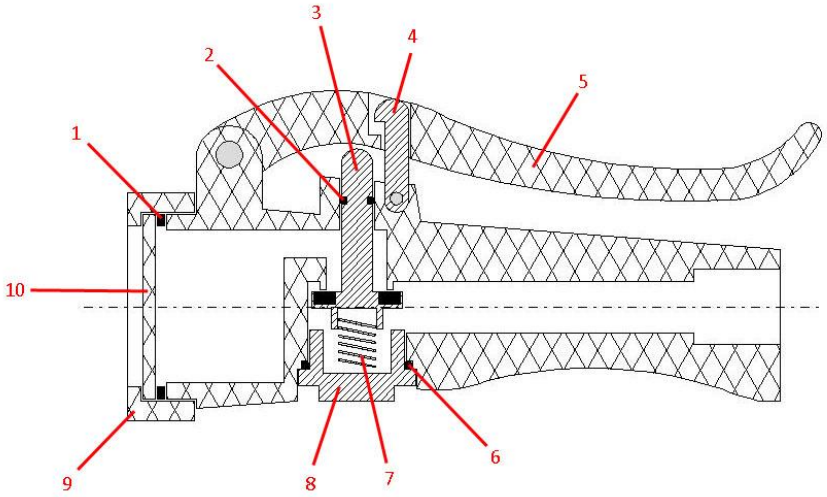
No.	Picture	Article number	Description
1		**AKSH4-FS**	Flat seal “Clipperlon” 2110 for spray head (24x15x1,5)
2		**AKSH4-HBL**	POM head, black
2		**AKSH4-HW**	POM head, white
3		**AKSH4-LS**	Locking screw for spray head
4		**AKSH4-NS-M**	Nozzle shaft for spray head, brass
4		**AKSH4-NS-R**	Nozzle shaft 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.	Picture	Article number	Description
2		**AKAWTRIG**	Lever
3		**AKAWTAIL**	Brass hose tail 3/8“, M9x1,25 male thread., incl. brass O-ring
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.	Picture	Article number	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