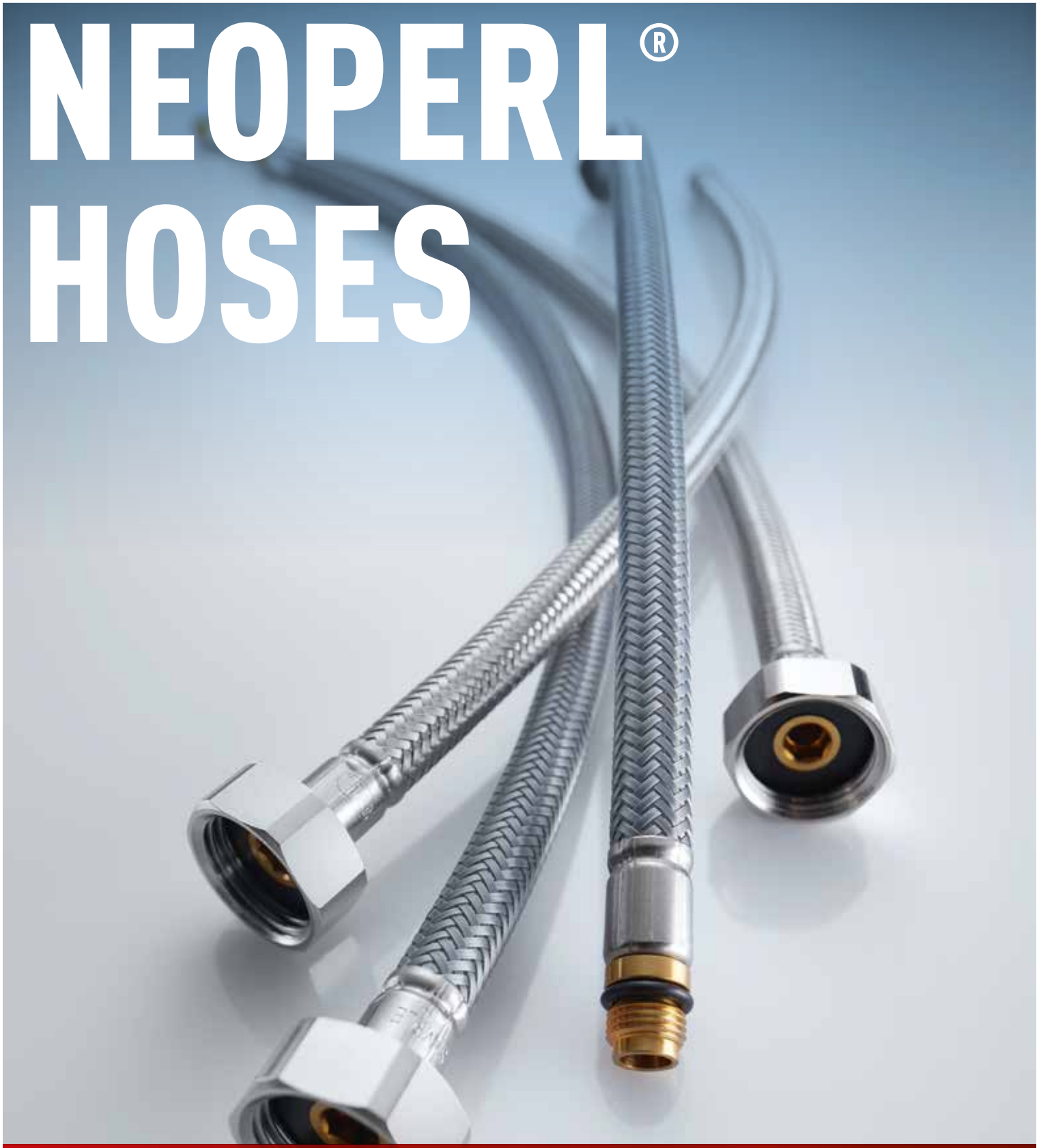
NEOPERL® HOSES



HOSES FOR **KITCHEN & BATH PLUMBING**
AND **TECHNICAL APPLICATIONS**

NEOPERL®

flow, stop and go®

NEOPERL®

flow, stop and go®

FLOW, STOP AND GO!

History of the Neoperl Group
Founded in 1959 as a Swiss-German family-owned company, Neoperl is located in Basel (Switzerland) and Müllheim (Germany) and remains privately owned to this day. Throughout the world, Neoperl employs around 2,000 people in 17 different countries.

Millions of people use NEOPERL® products every day – whether or not they are aware of it. They are 'hidden' inside appliances – virtually everywhere where drinking water flows in a building.

The classic product in the Neoperl range is the aerator, which is fitted in the spouts of faucets on washbasins and bathtubs and shapes the water stream. Particularly sophisticated aerators are equipped with integrated flow regulators, which offer a means of saving water and energy. Another core NEOPERL® product is the check valve. It protects faucets and plumbing systems, for example, by preventing used water from flowing back into the line system.

Connecting hoses, shower hoses, kitchen hoses and diverters complete the available product groups. Diverters offer a means of switching between the tub filler and the shower head.

NEOPERL® products fulfill norms and standards regarding faucets around the globe; for example European norm EN 246, EPA WaterSense in the United States or AS/NZS 6400 in Australia. In order to secure its leading position in terms of quality, Neoperl relies on the highest level of automation. As part of the manufacturing process, every production step is subject to a fully integrated 100 % quality control.

SMALL PARTS THAT MAKE ALL THE DIFFERENCE.

Aerators – one of the most important components of every faucet
Nowadays, aerators can be found on the spouts of virtually all washbasin and bathtub faucets.

They shape the water to produce a non-splashing stream and add air to make the water pleasantly soft. They also reduce plumbing noise and help to save water and energy.

CONSTANT FLOW RATE.

Flow regulators ensure that a defined, virtually constant flow rate is maintained, regardless of pressure fluctuations. They are used in faucets, in instantaneous water heaters and in solenoid valves. You can use flow regulators to reduce water consumption – they offer cost-effective solutions in the wide spectrum of technical applications.

ALWAYS LOOKING AHEAD.

Check valves protect faucets and installation systems to prevent the backflow, backpressure or backsiphonage of used water into the pipeline system. They also guard against the potentially hazardous crossover flow between hot and cold systems in thermostatic faucets, for example. This means that hot water cannot get into the cold water pipe or vice versa.

A QUESTION OF DIVERSION.

Diverters are used to switch the water stream between two different outlets: between the tub filler position and the shower in a bathtub faucet, and between the overhead shower and the hand shower in a shower faucet.

NEOPERL® diverters have proven their stability successfully in series of intensive endurance tests. The requirements of the standards are surpassed by a long way.

SAVING WATER AND ENERGY.

Neoperl promotes a responsible attitude towards the use of drinking water with its water-saving and energy-saving products. Always aiming to provide as much water as you need, but using as little as possible – in the shower, bathroom and kitchen. Warm water accounts for the majority of water saved. This means that NEOPERL® products are playing an active role in reducing the energy consumed by heating water and making an important contribution towards protecting our climate and our environment. It's never too late: existing faucets and showers can be easily retrofitted with water-saving components any time.

INTRODUCTION

Developing the Hose Product Group
Hoses have been part of the Neoperl portfolio, but mostly as a traded item, for many years. A key supplying partner for Neoperl from the early 60s onwards is Parigi Industry in Italy, a well-known manufacturer of supply hoses, with Mr. Cesare Parigi accredited for being the 'father' of the flexible braided hose.

In the year 2000, Neoperl acquires the company PRIO FLEX A/S in Randers, Denmark, which is known these days as Neoperl Nordic.

With this acquisition, Neoperl enters the world of hose production. Neoperl introduces the SOFTPEX® inliner for its connecting hoses in 2003 and has since focused on further developing and evolving this high-quality, reliable product.

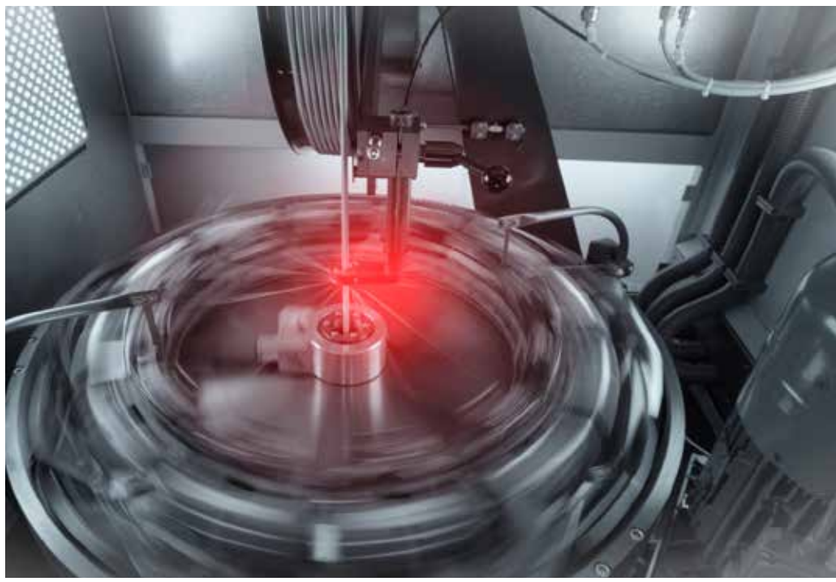
A key milestone occurs in 2011 with the foundation of Neoperl Far East in Hong Kong following the acquisition of RM-Flex in Xinhui, China. This new factory enables Neoperl to offer global reach and support to our international customer base.

In 2013 Neoperl acquires Industrias Mateu S.A., a recognized quality producer of supply hoses based in Spain with another production plant in Bulgaria, which gives Neoperl a footprint in Eastern Europe.

Throughout the years, Neoperl continues to establish a strong partnership with Parigi Industry S.r.l. and completes acquisition steps in 2014 to bring them into the Neoperl family.

Today, the Neoperl Group has hose production sites in seven locations worldwide, with production capacity exceeding 100 million hoses per year. With a dedicated, highly qualified staff – true experts in the field – Neoperl plans to continue to service the global plumbing industry with innovative, technical, high-quality hose products.

ALWAYS ABOUT THE FLOW!

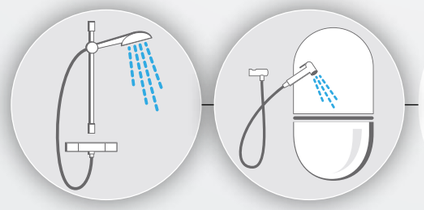


NEOPERL® HOSES CONTENT

Kitchen & Bath Plumbing

Supply Hoses

Motion Hoses & Quick Connectors

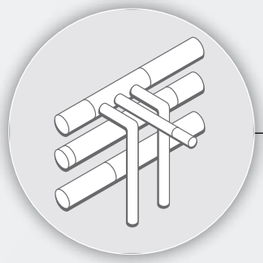


Shower & Shattaf Hoses

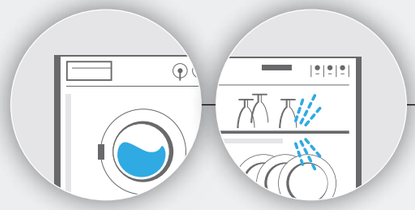
Toilet Hoses

Technical Hoses

Hoses for Boilers, Water Softeners & Pumps



Hoses for Steam Applications



Hoses for Appliances

All information in this brochure is subject to change without notice.

79.7011.10000 | July 2022

MAKE YOUR SELECTION!

STEP 1
Choose the right application.

STEP 2
Identify your installation market.

STEP 3
Choose the product line based on the desired material and flow.

STEP 4
Choose the braiding.

STEP 5
Choose the fitting material based on your installation market.

STEP 6
Select the outlet fitting.

STEP 7
Select the inlet fitting.

STEP 8
Define the length.

NEOPERL®
flow, stop and go®

Make your selection!
What appliance do you need to connect to water? In which markets are you going to sell your products? These are just some of the guiding questions to lead you through Neoperl's hose portfolio and help you find the right product.

STEP 1
Choose the right application.
Determine if the hose is used as a supply line and being under permanent pressure (up-stream before the valve), a non-pressurized outlet hose (after the valve) or a kitchen hose (after the valve).

STEP 2
Identify your installation market.
In which markets/countries will the final system with the selected hose be installed? The application along with the market/country will determine the component materials that can be used.

STEP 3
Choose the product line based on the desired material and flow.
This is determined by the application, market and company specification.

STEP 4
Choose the braiding.
This is determined by the application, market and company specification.

STEP 5
Choose the fitting material based on your installation market.
Depending on the installation market, your choice of suitable material for the fittings may be restricted.

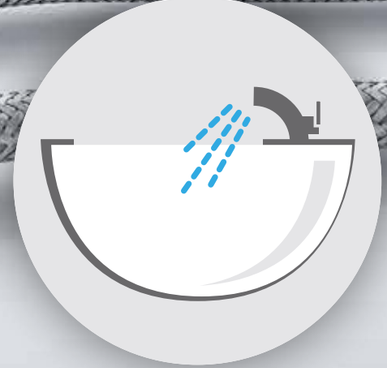
STEP 6
Select the outlet fitting.
Connection e.g. into the faucet or spray. Please check available standard connections for compatibility with your design.

STEP 7
Select the inlet fitting.
The appropriate connection is determined by application and market.

STEP 8
Define the length.
Determine the required overall length of the hose.

Kitchen & Bath Plumbing

Supply Hoses



NEOPERL® SOFTPEX® – CONNECTING THE WORLD.

SOFTPEX® – setting the benchmark.
Connecting hoses are a key water supply component for faucets, washing machines, fridges etc. With a **0 % failure rate** since its market launch more than two decades ago, the SOFTPEX® inliner with its tried and tested material mix is a product you can count on.

Continuous development is our guiding principle, which is why the latest SOFTPEX® hose generation combines proven and innovative solutions such as **reduced dimensions**, higher **flexibility** and **simplified installation**. In addition, the optimized crimping technology enables an easy installation in very confined environments. Its outstanding tensile strength adds to the dependability of the latest SOFTPEX® connecting hose generation.

The greener way.
The new SOFTPEX® connecting hose generation comes with a 79 % smaller **water** and 61 % smaller **CO_2 footprint** compared to an EPDM connecting hose. Considerable savings are also possible compared to an old-style PEX inliner. This is thanks to Neoperl's continuous material and supply chain optimizations such as optimized raw material usage and product weight as well as shorter transport distances. All this is achieved without compromizing hose performance.

We are not only dedicated to lowering the CO_2 and water footprint, we also have solutions that minimize the lead content of our hoses such as **low-lead** or **lead-free fittings**. In the catalogue, you can see whether these fittings are available on the respective product pages.

BOOSTCRIMP® technology – integrated innovation
The BOOSTCRIMP® technology enables the optimization of the hose to increase flexibility while keeping the flow rate requirement level. At the same time, boostcrimping is a **quality hallmark** for a safely crimped hose. Available in DN6 and DN8.

Batch tracking
Each SOFTPEX® hose has a **marking** on the sleeve to indicate its production location. Moreover, for each hose the component lots can be traced.

All hygienic approvals worldwide
Around the world, the SOFTPEX® inliner has been granted all **hygienic drinking water approvals**; it is microbiologically pure and maintains drinking water quality in terms of appearance, smell and taste.

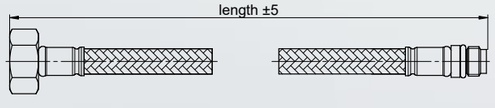
All mechanical approvals worldwide
Any **mechanical approval** around the world can be achieved by the SOFTPEX® hose (no matter whether with SST or PA braiding), with the combination of brass alloy, braiding and flow rate tailored to meet the specific requirements.

New: optimized dimensions / diameter
Thanks to the new outer hose diameter (from 10.8 to 9.8 mm for the DN6, M8) **15 % less space is required** in the faucet (value applies to using two hoses). Moreover, the optimized interfacing geometry enables an easy installation.

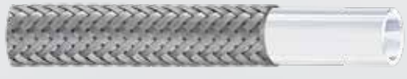
Excellent chemical resistance
Inliner with strong **resistance against additives** in drinking water such as chloramines and chlorides.

Norm flow rates acc. to EN 13618
Exceeds flow rate required for EN 13618 despite smaller inner diameter.

Length: according to customer need



Structure



Braiding polyethylene

SOFTPEX® DN6

Features & Information

These flexible hoses can attain worldwide approvals and are thus suitable for use in every country. They have excellent hygienic properties as well as high resistance to pressure and temperature. The extraordinarily chemical-resistant inner hose protects against additives to the drinking water like chlorine.

Application

Technical Specification

Max. operating temperature
70°C 158°F

Max. temperature
90°C 194°F

Max. working pressure
10 bar 145 psi

Burst pressure
> 150 bar > 2176 psi

Tensile strength
> 1000 N > 225 lbf

Bending radius
25 mm 1 “

Outer diameter (braided)
8.6 mm 0.3 “

Flow rate
(300 mm, 3 bar, open atmosphere)
16 l/min 4.8 gpm

Product Standards

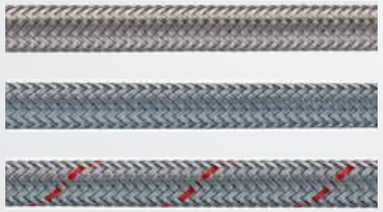
EN 13618, NF 546, ASME A112.18.6, AS/NZS 3499, EN61770

Attainable Approvals & Certificates

Hygienic: KTW-BWGL, ACS, DM174, AS/NZS4020, NSF61+NSF372, WRAS (BS6920), KIWA-Watermark

Mechanical: DVGW, VDE, SVGW, NF, WRAS, KIWA, RISE, VA, STF, SINTEF, AENOR, WaterMark, cUPC / UPC

Braiding Options



SST (stainless steel)

PA (polyamide)

optionally with identification stripes (red / blue / green / black) for SST & PA

Inlet Connections Classic Shape

1/2” 50.8020.D0032*

1/2” NPSM 50.8020.D0063*

3/8” 50.8020.D0024*

9/16-24 UNEF 50.8020.D0056*

Inlet Connections Round Shape

1/2” 50.8020.D0003*

1/2” NPSM 50.8020.D0064*

3/8” 50.8020.D0001*

9/16-24 UNEF 50.8020.D0004*

Outlet Connections

M8×1 50.8020.D0005*

M8×1 2 o-rings 50.8020.D0047*

M10×1 50.8020.D0007*

M10×1 2 o-rings 50.8020.D0062*

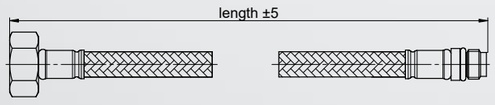
More fittings on request

* datasheet available

Fitting Material Options

CW617N, CW510L (low lead), CW724R (lead-free)

Length: according to customer need



Structure

Braiding polyethylene

SOFTPEX® DN8

Features & Information

These flexible hoses – offering a higher flow rate than the DN6 version – can attain worldwide approvals and are thus suitable for use in every country. They offer excellent hygienic properties as well as high resistance to pressure and temperature. The extraordinarily chemical-resistant inner hose protects against additives to the drinking water like chlorine.

Application

Technical Specification

Max. operating temperature	**70°C 158°F**
Max. temperature	**90°C 194°F**
Max. working pressure	**10 bar 145 psi**
Burst pressure	**> 150 bar > 2176 psi**
Tensile strength	**> 1400 N > 315 lbf**
Bending radius	**30 mm 1.2“**
Outer diameter (braided)	**9.9 mm 0.4“**
Flow rate (300 mm, 3 bar, open atmosphere)	**28 l/min 7.4 gpm**

Product Standards

EN 13618, NF 546, ASME A112.18.6, AS/NZS 3499, EN61770

Attainable Approvals & Certificates

Hygienic: KTW-BWGL, ACS, DM174, AS/NZS4020, NSF61+NSF372, WRAS (BS6920), KIWA-Watermark

Mechanical: DVGW, VDE, SVGW, NF, WRAS, KIWA, RISE, VA, STF, SINTEF, AENOR, WaterMark, cUPC / UPC

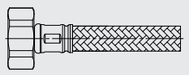
Braiding Options

SST (stainless steel)

PA (polyamide)

optionally with identification stripes (red / blue / green / black) for SST & PA

Inlet Connections Classic Shape



1/2”	50.8020.D0038*
1/2” NPSM	50.8020.D0065*
3/8”	50.8020.D0058*

Inlet Connections Round Shape

1/2”	50.8020.D0028*
1/2” NPSM	50.8020.D0066*
3/8”	50.8020.D0058*

Outlet Connections

M10×1	50.8020.D0026*
M10×1 2 o-rings	

More fittings on request

* datasheet available

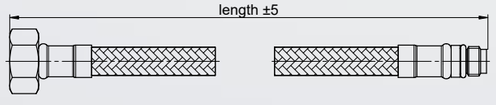
Fitting Material Options

CW617N, CW510L (low lead), CW724R (lead-free)

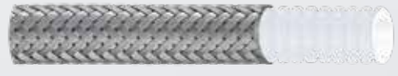
KITCHEN & BATH PLUMBING

SUPPLY HOSES

Length: according to customer need



Structure



Braiding PE-RT

FLEX CORE® DN8

Features & Information

FLEX CORE® is an anti-kinking hose due to its unique inliner. It is the ideal solution for the connection of the water supply to any kind of faucets where the space for the installation is limited. The narrow bending radius, down to 25 mm, allows for positioning the hose in confined spaces around other pipes and obstacles. The inliner material has received drinking water approvals from the main certification bodies worldwide.

Application

Technical Specification

Max. operating temperature
70°C 158°F

Max. temperature
90°C 194°F

Max. working pressure
10 bar 145 psi

Burst pressure
> 100 bar > 1450 psi

Tensile strength
> 1400 N > 315 lbf

Bending radius
25 mm 1“

Outer diameter (braided)
11.9 mm 0.5“

Flow rate
(300 mm, 3 bar, open atmosphere)
28 l/min 7.4 gpm

Product Standards

EN 13618, NF 546, ASME A112.18.6, AS/NZS 3499

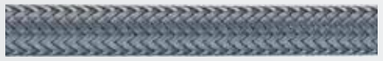
Attainable Approvals & Certificates

Hygienic: KTW-BWGL, ACS, GDV, DM174, AS/NZS4020, NSF61+NSF372, WRAS (BS6920), KIWA-Watermark

Mechanical: DVGW, VDE, SVGW, NF, WRAS, KIWA, RISE, VA, STF, SINTEF, AENOR, WaterMark, cUPC / UPC

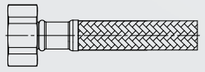
Braiding Options

SST (stainless steel)

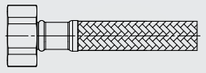


PA (polyamide)

Inlet Connections



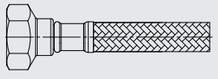
1/2”
50.8020.D0069*



1/2” NPSM

3/8”
50.8020.D0068*

3/8” revolving
50.8020.D0080*



1/2” revolving
50.8020.D0081*

Outlet Connections

M10×1
50.8020.D0103*

3/8” male
50.8020.D0070*

1/2” male
50.8020.D0071*

More fittings on request

* datasheet available

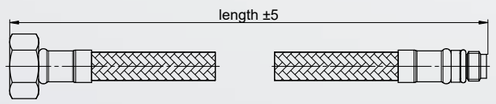
Fitting Material Options

CW617N, CW510L (low lead), CW724R (lead-free)

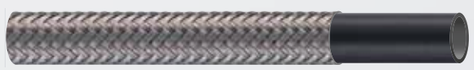
KITCHEN & BATH PLUMBING

SUPPLY HOSES

Length: according to customer need



Structure



Stainless steel braiding EPDM

EPDM DN8

Features & Information

The most traditional hose with EPDM inliner offers a flexible connection between the water supply network and any type of faucet. Recognized for its high level of quality, millions of hoses have been sold in the last decades around the world. Manufactured in compliance with international requirements in the field, this hose can be used in specific markets having obtained specifically required approvals.

Application

Technical Specification

Max. operating temperature
70°C 158°F

Max. temperature
90°C 194°F

Max. working pressure
10 bar 145 psi

Burst pressure
> 100 bar > 1450 psi

Tensile strength
> 1400 N > 315 lbf

Bending radius
30 mm 1.2“

Outer diameter (braided)
11.8 mm 0.5“

Flow rate
(300 mm, 3 bar, open atmosphere)
28 l/min 7.4 gpm

Product Standards

EN 13618

Attainable Approvals & Certificates

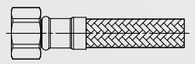
Hygienic: ACS, WRAS (BS6920); NSF61+NSF372

Mechanical: NF, WRAS; WaterMark

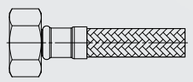
Braiding Options

SST (stainless steel)

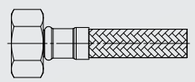
Inlet Connections



3/8”



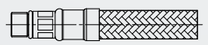
1/2”



1/2” NPSM

More fittings on request

Outlet Connections



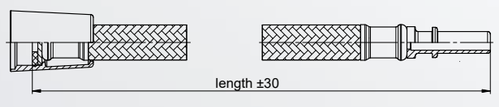
M10×1

Fitting Material Options

CW617N, CW510L (low lead), CW724R (lead-free)

Motion Hoses & Quick Connectors

Length: according to customer need



Structure

PET braiding ULD-PE

CUISINE MOTION HOSE CRG®

Features & Information

CUISINE motion hoses are elegant, gliding, light-weight and kink-resistant hoses that can be used as a pull-out for kitchen faucets or for the faucets installed on hair salon wash basins. The extrusion process as well as the braiding system are covered by patents. The non-toxic and innovative inner hose has been approved for the use with drinking water in numerous countries.

Application

Technical Specification

Size	DN7	DN8
Max. operating temperature	**60°C 140°F**	**60°C 140°F**
Max. temperature	**70°C 158°F**	**70°C 158°F**
Max. working pressure	**4 bar 58 psi**	**4 bar 58 psi**
Burst pressure (bar / psi)	**>30 >435**	**>30 >435**
Tensile strength	**>800 N >180 lbf**	**>800 N >180 lbf**
Bending radius	**20 mm 0.8“**	**25 mm 1.0“**
Diameter braided	**11.3 mm 0.4“**	**12.9 mm 0.5“**

Product Standards

EN 16146, ASME A112.18.1

Attainable Approvals and Certificates

Hygienic: KTW-BWGL, ACS, WRAS (BS6920), GDV, AS/NZS4020, NSF61+NSF372, KIWA-Watermark

Mechanical: NF, RISE, VA, cUPC, KIWA

Braiding Colors

gray

black

Flow rate (l/min)		DN7	DN8
Length (mm)	750	**13**	**24**
	1000	**12**	**23**
	1250	**11**	**19**
	1500	**10**	**19**
	1750	**9.5**	**18.5**
	2000	**9**	**17.5**

Inlet Connections

M15×1 fixed
50.8020.D0017*

M15×1 rotating
50.8020.D0017*

M15×1 revolving
50.8020.D0017*

SAE quick connect plug-in
50.8020.D0020*

More connection types available on request

* datasheet available ** patented design

Outlet Connections

Superswivel**
1/2“ 50.8020.D0021*
3/8“ 50.8020.D0022*

Ball-joint swivel
1/2“ 50.8020.D0108*
3/8“ 50.8020.D0109*

1/2“ cone (smooth)
50.8020.D0023*

Fitting Material Options

CW617N, CW510L (low lead), CW724R (lead-free)

KITCHEN & BATH PLUMBING

MOTION HOSES & QC

Length: according to customer need

Structure

stainless steel ULD-PE

CUISINE MOTION HOSE AGRAFF CRG® DN8

Features & Information

When only metal will do – we offer a stainless steel jacket, agraff style, to bring the metallic feel straight into your faucet. We wrap this jacket around our CRG® inliner and secure it with the quality fittings to connect to your faucet and spray. The jacket can be either chrome-plated or electro-polished to match the look of your faucet.

Application

Technical Specification

Max. operating temperature
60°C 140°F

Max. temperature
70°C 158°F

Max. working pressure
5 bar 73 psi

Burst pressure
> 30 bar > 435 psi

Tensile strength
> 800 N > 180 lbf

Bending radius
40 mm 1.6“

Outer diameter (braided)
14 mm 0.6“

Flow rate at 1.5m length
19 l/min 5.0 gpm at 3 bar
according to EN 16146

Product Standards

EN 16146, ASME A112.18.1

Attainable Approvals and Certificates

Regarding hygienic approvals, this hose is identical to the Cuisine motion hose CRG® on page 25. Please contact Neoperl for more information.

Colors

chrome-plated

electro-polished

The difference between chrome-plated and electro-polished is optical: electro-polished perfectly matches the look of brushed cones.

Inlet Connections

M15×1 fixed

M15×1 rotating

M15×1 revolving

Outlet Connections

1/2″ cone (smooth)

Fitting Material Options

CW617N, CW510L (low lead), CW724R (lead-free)

Length: according to customer need

Structure

rigid polyethylene (non-braided)

RPE OUTLET HOSE

Features & Information

To deliver water to the kitchen hose, the common solution is to use a copper pipe and screw connection after the mixer. As an excellent alternative, Neoperl offers Rigid PE (RPE) outlet hoses in combination with a Quick Connector.

Benefits of the NEOPERL® RPE outlet hose:
– compared to copper tube: non-metal, no soldering, easy to install
– PVC-free

Application

Technical Specification

Max. operating temperature
60°C 140°F

Max. temperature
70°C 158°F

Max. working pressure
6 bar 87 psi

Burst pressure
> 40 bar > 580 psi

Tensile strength
> 500 N > 112 lbf

Outer diameter (non-braided)
10 mm 0.4“

Flow rate
(300 mm, 3 bar, open atmosphere)
26 l/min 6.9 gpm

Product Standards

Covered as integral part of faucet assembly

Approvals and Certificates

Hygienic: KTW-BWGL, ACS, WRAS (BS6920), NSF61+NSF372

Mechanical: WRAS

Colors

gray

Inlet Connections

M10x1
50.8020.D0014*

Outlet Connections

Clip Quick Connector
50.8020.D0014*

Double-Clip Quick Connector
50.8020.D0015*

Sleeve Quick Connector
50.8020.D0016*

Customer design on request; see next page for more information on Quick Connectors.

Fitting Material Options

CW617N, CW510L (low lead), CW724R (lead-free)

* datasheet available

NEOPERL® Quick Connectors

NEOPERL® Quick Connectors provide a very quick and highly secure way of connecting outlet and kitchen hoses.

Compared to using a brass fitting / nut, the Quick Connector offers many benefits. An easy push-in motion is all that is required to fit it – no twisting or torquing is necessary. There is a positive 'click' for a secure connection, which makes it easy to fit the Quick Connector blindly in awkward positions under the deck. It is also easy to disconnect it if needed. However, it is impossible to unintentionally disconnect it.

Clip Quick Connector (CQC)

The CQC with one clip has room for one check valve. Its push release mechanism means it can be disconnected with one finger.

Clip Quick Connector CQC
with one clip

The double-clip version of the CQC is to be used like an adaptor. It has room for two check valves (as stipulated in some regulations); one can be flow regulating. Its push release mechanism enables disconnecting it with one finger.

Double-Clip Quick Connector DCQC
with double-clip adaptor

Sleeve Quick Connector (SQC)

If necessary, the **SQC** can be easily disconnected using its **slide-click feature**. It offers room for two check valves (as stipulated in some regulations).

Sleeve Quick Connector SQC
with slide-click feature

3-Way Quick Connector RDV

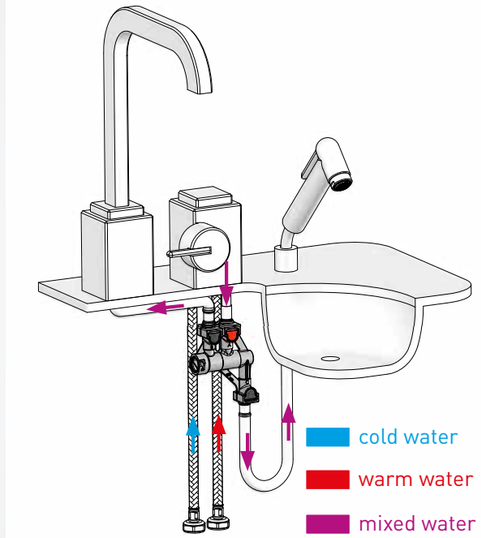
Connecting to another water outlet: as easy as 1-2-3

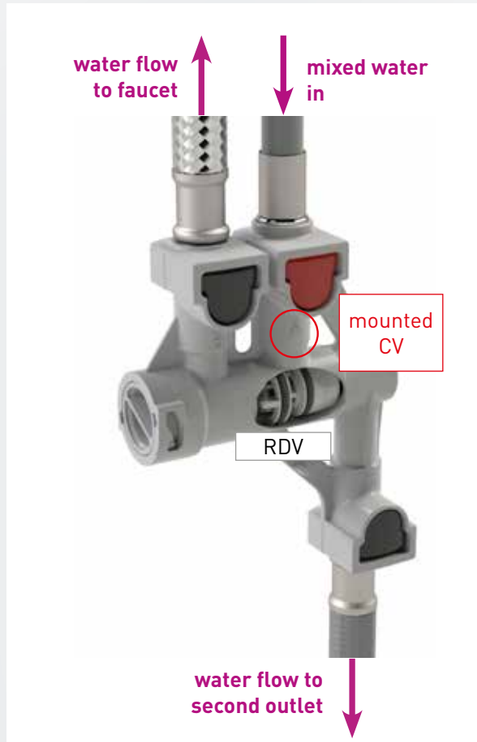
Quickly redirecting the water stream to another outlet is now safe and easy, thanks to the 3-way **Q**uick **C**onnector (QC) with an integrated **R**emote **D**iverter **V**alve (RDV).

Example: hand/side spray as secondary outlet; see picture on the right.

The 3-way QC RDV has an integrated flow regulator available in many flow rates. This enables our customers to adapt the 3-way QC RDV to different applications.

You can find more information – especially regarding the right configuration of the 3-way QC RDV for your application – in the following datasheet: 50.8020.D0067



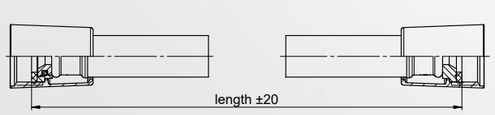


Shower & Shattaf Hoses

KITCHEN & BATH PLUMBING

SHOWER & SHATTAF HOSES

Length: standard length 150, 175, 200 cm



Design

PET (patented) ULD-PE

CHROMALUX® ZERO®

Features & Information

Thanks to its PVC-free material the CHROMALUX® ZERO® is sustainable, recyclable and meets drinking water requirements. The hose is extraordinarily flexible and thus very easy to handle. Due to its high resistance to pressure jumps, it is also very suitable for shattafs.

It is optionally available with snap-on cones (see p. 36+37).

Application

Product Standards

EN 1113, ASME A112.18.1 / CSA B125.1

Attainable Approvals and Certificates

Hygienic: KTW-BWGL, ACS, WRAS (BS6920), KIWA-Watermark
Mechanical: DVGW, NF, KIWA, cUPC

Colors

black

purple

silver

petrol blue

silver gray

pink

silver steel

Technical Specification

Operating temperature
-5 to +60°C 23 to 140°F

Recomm. working pressure
4 bar 58 psi

Max. working pressure
7.5 bar 109 psi

Tensile strength
> 800 N > 180 lbf

Bending radius
25 mm 1.0“

Outer diameter (braided)
Max. 14.8 mm 0.6“

Inner diameter (hose)
8.5 mm 0.3“

Flow rate at 1.5 m length
19.0 l/min at 3 bar
according to DIN EN 1113

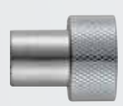
Pressure jump resistant (23° C)
Up to 16 bar 232 psi

Connections (30 mm cone)

G 1/2″
50.8020.D0053*

optionally with key flats

optionally with knurled cone



optionally with knurled nut

optionally for black braided hose

* datasheet available

Note: Other fittings and connections available upon request. All shower hoses are supplied with plastic caps to protect the cones.

Optional: Revolving connections prevent the hose from becoming twisted in the shower area.

Fitting Material

CW617N

KITCHEN & BATH PLUMBING

SHOWER & SHATTAF HOSES

NEOPERL® snap-on feature for CHROMALUX® ZERO® and CHROMALUX® Supreme

Oil-rubbed bronze, polished brass, red-gold, gun-metal gray: colorful faucets are very trendy, also in the shower. However, getting the cone to match the faucet color has been an arduous process for the manufacturer – until now!

This feature is available for the CHROMALUX® ZERO® (p. 34-35) and CHROMALUX® Supreme (p. 38-39).

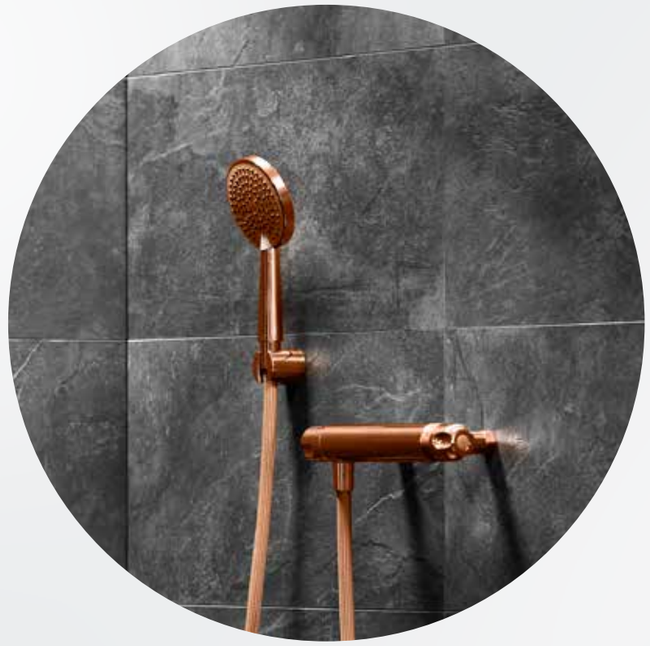
Simplified manufacturing and logistics

1. Neoperl provides the shower hoses without cones: one side with 1/2" fitting, one side with mounted snap-on fitting and configuration parts kept separate.
2. The faucet manufacturer procures cones separately and treats them (e.g. PVD together with faucet) to get the required colors, material, texture, shape, etc.
3. The faucet manufacturer quickly and easily assembles the hose at their site with matching cones and faucet.

The benefits

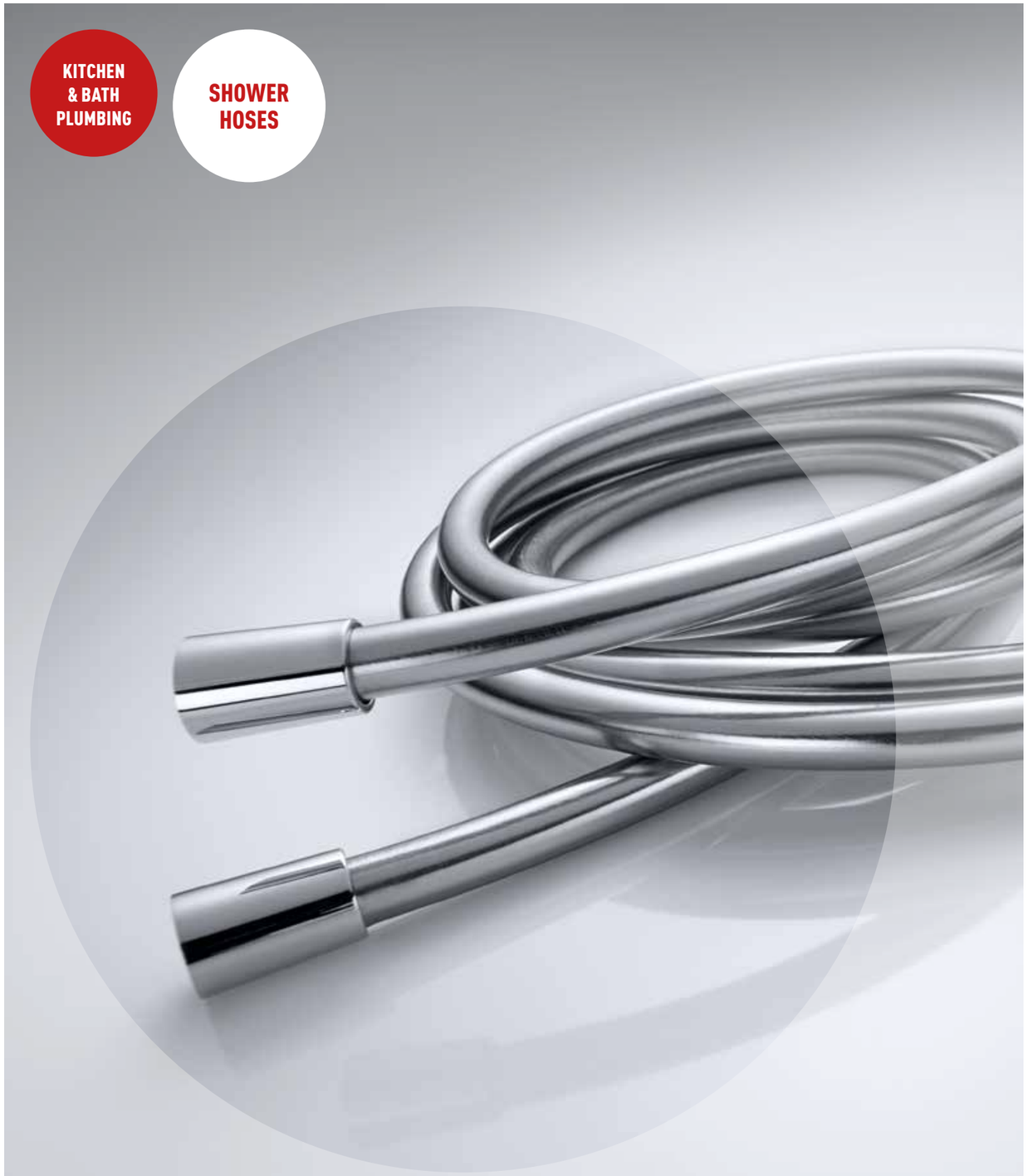
+ Snap-on: fit cones to hose in seconds
+ Cones procured by the faucet manufacturer; last point of confection
+ Any cone color, texture etc. possible to exactly match faucet look
+ EN1113 compliant as revolving connection

One step further: matching shower hose color

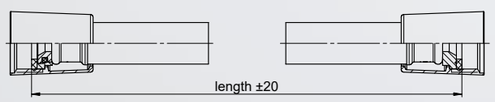


On top of the advantages offered by the snap-on feature, with the CHROMALUX® ZERO®, there is the possibility to also match the color of the shower hose to the faucet color.

Please note that minimum order quantities apply; contact Neoperl for more information.



Length: standard length 150, 175, 200 cm



Design

transparent PVC, PVC layer, TPE inner hose

CHROMALUX® SUPREME

Features & Information

The beautiful one: the CHROMALUX® Supreme is a great-quality shower hose that consists of five different layers. Its elegant look suits the most sophisticated bath interiors.

The CHROMALUX® Supreme is optionally available with snap-on cones (see p. 36+37).

Application

Technical Specification

Operating temperature
-5 to +60°C 23 to 140°F

Max. working pressure
3 bar 44 psi

Tensile strength
> 500 N > 112 lbf

Bending radius
75 mm 3.0 “

Outer diameter (braided)
15 mm 0.6 “

Inner diameter (hose)
8.5 mm 0.3 “

Flow rate at 1.5 m length
25.2 l/min at 3 bar
according to DIN EN 1113

Product Standards

EN 1113, ASME A112.18.1

Attainable Approvals and Certificates

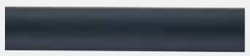
Hygienic: KTW-BWGL, ACS, WRAS (BS6920), KIWA-Watermark
Mechanical: DVGW, WRAS, NF, KIWA, cUPC

Colors

chrome

polished brass*

brushed nickel



matt black*

* upon request: minimum order quantities and longer lead times apply

Connections (30 mm cone)

G 1/2˝
50.8020.D0053**

optionally with key flats

optionally with knurled cone

optionally with o-ring and key flats

** datasheet available

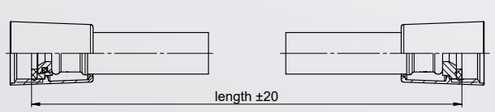
Note: Other fittings and connections available upon request. All shower hoses are supplied with plastic caps to protect the cones.

Optional: Revolving connections prevent the hose from becoming twisted in the shower area.

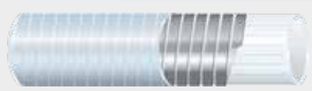
Fitting Material

CW617N

Length: standard length 150, 175, 200 cm



Design



transparent PVC, polyester foil band, longitudinal threads, PVC

CHROMALUX® METALLIC

Features & Information

Made with a unique polyester foil band and transparent protective coating, the elegant CHROMALUX® Metallic shower hose has been designed with user comfort in mind.

Application

Technical Specification

Operating temperature
-5 to +60°C 23 to 140°F

Max. working pressure
3 bar 44 psi

Tensile strength
> 500 N > 112 lbf

Bending radius
75 mm 3.0“

Outer diameter (braided)
14.8 mm 0.6“

Inner diameter (hose)
8.5 mm 0.3“

Flow rate at 1.5 m length
25.2 l/min at 3 bar
according to DIN EN 1113

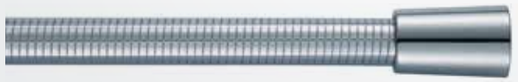
Product Standards

EN 1113, ASME A112.18.1

Attainable Approvals and Certificates

Hygienic: ACS
Mechanical: NF

Colors



chrome

Connections (30 mm cone)

G 1/2″
50.8020.D0053*

optionally with key flats

optionally with knurled cone

optionally with o-ring and key flats

Note: Other fittings and connections available upon request. All shower hoses are supplied with plastic caps to protect the cones.

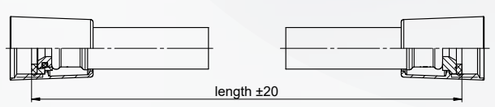
Optional: Revolving connections prevent the hose from becoming twisted in the shower area.

Fitting Material

CW617N

* datasheet available

Length: standard length 150, 175, 200 cm



Design

transparent PVC, spiralized PVC, longitudinal threads, PVC

CHROMALUX® SPIRAL

Features & Information

Class & style: available in different colors, CHROMALUX® Spiral hoses are supplied with chrome-plated fittings. They are a good-looking alternative to metal shower hoses.

Application

Technical Specification

Operating temperature
-5 to +60°C 23 to 140°F

Max. working pressure
3 bar 44 psi

Tensile strength
> 500 N > 112 lbf

Bending radius
35 mm 1.4“

Outer diameter (braided)
14 mm 0.6“

Inner diameter (hose)
8.5 mm 0.3“

Flow rate at 1.5 m length
25.2 l/min at 3 bar
according to DIN EN 1113

Product Standards

EN 1113, ASME A112.18.1

Attainable Approvals and Certificates

For information on the currently attainable approvals and certificates, please contact Neoperl: OEM_enquiry@neoperl.com

Colors

black

chrome*

* upon request: minimum order quantities and longer lead times apply

Connections (30 mm cone)

G 1/2˝
50.8020.D0053**

optionally with key flats

optionally with knurled cone

optionally with o-ring and key flats

Note: Other fittings and connections available upon request. All shower hoses are supplied with plastic caps to protect the cones.

Optional: Revolving connections prevent the hose from becoming twisted in the shower area.

Fitting Material

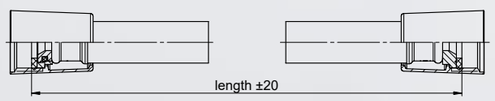
CW617N

** datasheet available

KITCHEN & BATH PLUMBING

SHOWER HOSES

Length: standard length 150, 175, 200 cm



Design

colored PVC, longitudinal and cross-linked threads, PVC

CHROMALUX® SMOOTH

Features & Information

CHROMALUX® Smooth hoses are available in a wide range of colors to liven up any shower. Their soft surface is easy to clean. The fittings are chrome-plated as standard, but can optionally be produced in different colors.

Application

Technical Specification

Operating temperature
-5 to +60°C 23 to 140°F

Max. working pressure
3 bar 44 psi

Tensile strength
> 500 N > 112 lbf

Bending radius
35 mm 1.4“

Outer diameter (braided)
13.8 mm 0.5“

Inner diameter (hose)
8.5 mm 0.3“

Flow rate at 1.5 m length
25.2 l/min at 3 bar
according to DIN EN 1113

Product Standards

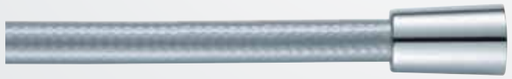
EN 1113, ASME A112.18.1

Attainable Approvals and Certificates

There are currently no approvals attainable for this product line. Please contact Neoperl for more information.

Colors

white



silver*

* upon request: minimum order quantities and longer lead times apply

Connections (30 mm cone)

G 1/2˝
50.8020.D0053**

optionally with key flats

optionally with knurled cone

optionally with o-ring and key flats

Note: Other fittings and connections available upon request. All shower hoses are supplied with plastic caps to protect the cones.

Optional: Revolving connections prevent the hose from becoming twisted in the shower area.

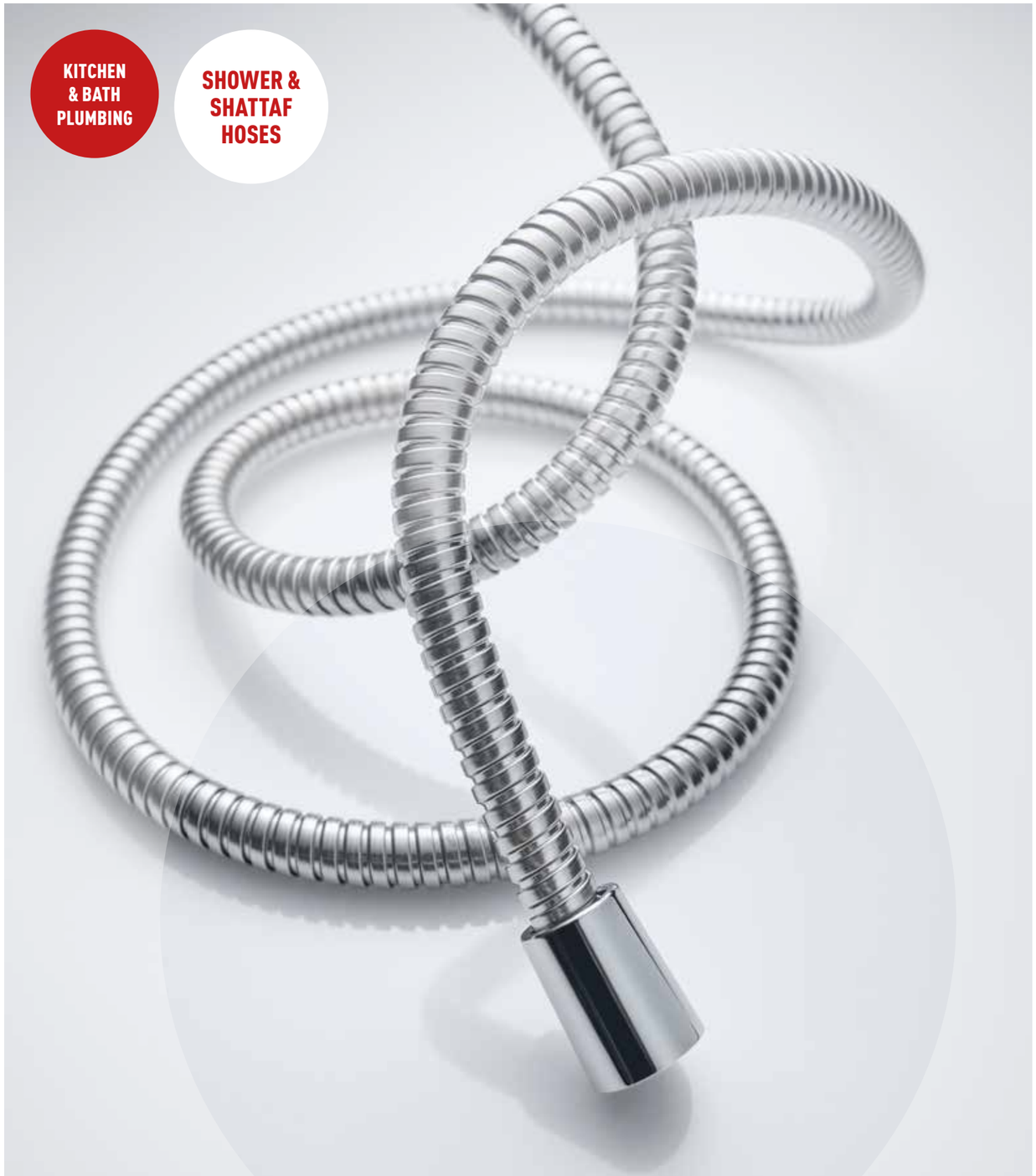
Fitting Material

CW617N

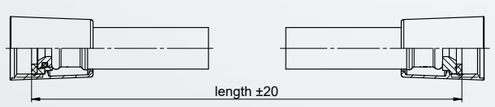
** datasheet available

KITCHEN & BATH PLUMBING

SHOWER & SHATTAF HOSES



Length: standard length 150, 175, 200 cm



Design

stainless steel ULD-PE

CHROMALUX® AGRAFF CRG®

Features & Information

When only metal will do: CHROMALUX® Agraff CRG® is an aesthetically pleasing shower hose with the look and feel of metal. It hangs elegantly in the shower and offers flexibility at a competitive price. The jacket can be either chrome-plated or electro-polished to match the look of your faucet.

Application

Technical Specification

Operating temperature
70°C 158°F

Max. working pressure
3 bar 44 psi

Tensile strength
> 700 N > 157 lbf

Bending radius
35 mm 1.4“

Outer diameter (braided)
14 mm 0.6“

Inner diameter (hose)
7.5 mm 0.3“

Flow rate at 1.5 m length
19.0 l/min at 3 bar
according to DIN EN 1113

Product Standards

EN 1113, ASME A112.18.1

Attainable Approvals and Certificates

Hygienic: KTW-BWGL, ACS, WRAS (BS6920), KIWA-Watermark
Mechanical: DVGW, WRAS, NF, KIWA, cUPC

Colors

chrome-plated

electro-polished

The difference between chrome-plated and electro-polished is optical: electro-polished perfectly matches the look of brushed cones.

Connections (30 mm cone)

G 1/2“
50.8020.D0053*

optionally with key flats

optionally with knurled cone

optionally with o-ring and key flats

Note: Other fittings and connections available upon request. All shower hoses are supplied with plastic caps to protect the cones.

Optional: Revolving connections prevent the hose from becoming twisted in the shower area.

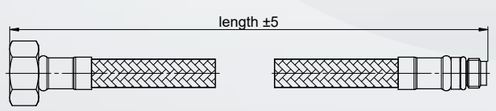
Fitting Material

CW617N

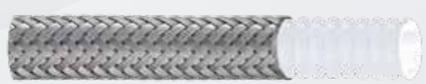
* datasheet available

Toilet Hoses

Length: according to customer need



Structure



Braiding PE-RT

FLEX CORE® DN8

Features & Information

Toilet hoses come with different kinds of braiding according to customers' demand. The inliner material guarantees conformity to various worldwide standards for materials in contact with water. Fittings can be made of brass, stainless steel or other materials depending on customer requirements.

Application

Technical Specification

Max. operating temperature
70°C 158°F

Max. temperature
90°C 194°F

Max. working pressure
10 bar 145 psi

Burst pressure
> 100 bar 1450 psi

Tensile strength
> 1400 N > 315 lbf

Bending radius
25 mm 1.0“

Outer diameter (braided)
11.9 mm 0.5“

Flow rate
(300 mm, 3 bar, open atmosphere)
28 l/min 7.4 gpm

Product Standards

EN 13618, NF 546, ASME A112.18.6, AS/NZS 3499

Attainable Approvals and Certificates

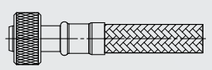
Hygienic: KTW-BWGL, ACS, GDV, DM174, AS/NZS4020, NSF61+NSF372, WRAS (BS6920), KIWA-Watermark
Mechanical: DVGW, VDE, SVGW, NF, WRAS, KIWA, RISE, VA, STF, SINTEF, AENOR, WaterMark, cUPC / UPC

Braiding Options

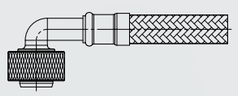
SST (stainless steel)

PA (polyamide)

Inlet Connections
plug-ins with knurled nut

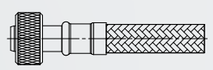


3/8”

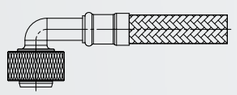


3/8” Elbow

Outlet Connections
plug-ins with knurled nut



3/8”

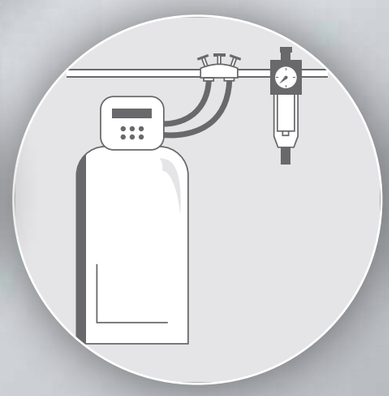


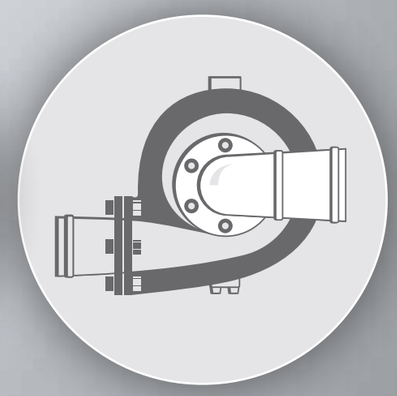
3/8” Elbow

Fitting Material Options

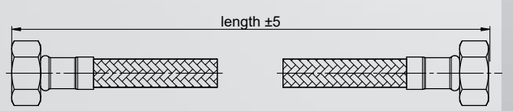
CW617N, CW510L (low lead), CW724R (lead-free)

Hoses for Boilers, Water Softeners & Pumps

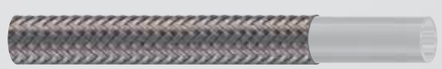




Length: according to customer need



Structure



stainless steel braiding — silicone

PLATINOX SLP® DN10 – DN32

Silicone

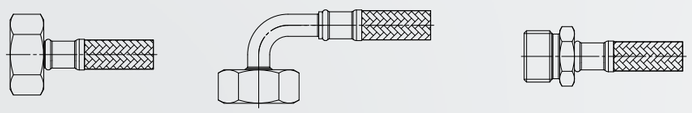
Features & Information

PLATINOX SLP® hoses are manufactured with a specially compounded silicone rubber and have obtained the prestigious approval DVGW, as well as W270, KTW-A and RISE in the nominal diameters DN10 and DN25. They are particularly suitable for high-temperature applications where there is the need to ensure potability, cleanliness and very high flexibility.

Application

Technical Specification

	DN10	DN13	DN20	DN25	DN32
Max. operating temperature	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F
Max. temperature	110°C 230°F	110°C 230°F	110°C 230°F	110°C 230°F	110°C 230°F
Max. working pressure	10 bar 145 psi	10 bar 145 psi	10 bar 145 psi	10 bar 145 psi	6 bar 87 psi
Burst pressure	> 80 bar > 1160 psi	> 75 bar > 1088 psi	> 60 bar > 870 psi	> 45 bar > 653 psi	> 30 bar > 435 psi
Tensile strength	1500 N 337 lbf	2000 N 450 lbf	4500 N 1012 lbf	n/a	n/a
Bending radius	35 mm 1.4“	45 mm 1.8“	75 mm 3.0“	90 mm 3.5“	120 mm 4.7“
Outer diameter (braided)	14 mm 0.6“	19.5 mm 0.8“	27.5 mm 1.1“	34 mm 1.3“	41 mm 1.6“
Inner diameter of fitting	7.5 mm 0.3“	10 mm 0.4“	16 mm 0.6“	17.5 mm 0.7“	23 mm 0.9“
Flow rate (300 mm, 3 bar, open atmosphere)	45 l/min 11.9 gpm	60 l/min 15.9 gpm	145 l/min 32 gpm	n/a	n/a
Braiding	SST	SST	SST	SST	SST
Inlet + outlet fittings	3/8“ 1/2“ 3/4“ 3/8“ Elbow 1/2“ Elbow 3/4“ Elbow 1/2“ male	1/2“ 3/4“ 1/2“ Elbow 3/4“ Elbow 1/2“ male 3/4“ male	3/4“ 1“ 3/4“ Elbow 3/4“ male	1“ 1“ Elbow 1“ male	1¼“ 1¼“ male



female **Elbow** **male**

Other fittings available on request

Fitting Material Options

CW617N, CW602N, CW510L (low lead), CW724R (lead-free)

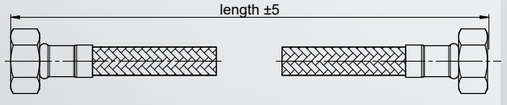
Attainable Standards and Approvals

EN 13618 / DVGW / RISE / ETA / SINTEF / WRAS / KIWA / ATA / NSF / AS4020 / DM174; depending on hose diameter and other factors.

TECHNICAL

INDUSTRIAL APPLICATIONS

Length: according to customer need



Structure

stainless steel braiding PE-RT

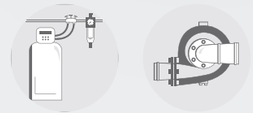
FLEX CORE® DN13 – DN50

PE-RT

Features & Information

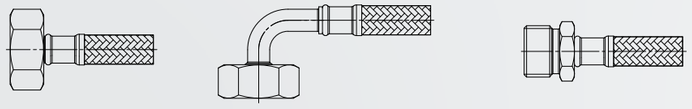
FLEX CORE® hoses offer high flexibility compared to other product lines of the same diameter and are kink resistant. They can attain all hygienic approvals, with an inliner made of PE-RT. Recommended applications include water softeners, water pumps and water supply lines in large buildings. The hoses are especially suitable for drinking water applications below 70 °C.

Application



Technical Specification

	DN 13	DN 20	DN 25	DN 32	DN 40	DN 50
Max. operating temperature	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F
Max. temperature	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F
Max. working pressure	10 bar 145 psi	10 bar 145 psi	10 bar 145 psi	6 bar 87 psi	6 bar 87 psi	4 bar 58 psi
Burst pressure	> 75 bar > 1088 psi	> 60 bar > 870 psi	> 45 bar > 653 psi	n/a	n/a	n/a
Tensile strength	> 2000 N > 450 lbf	> 4000 N > 899 lbf	> 5000 N > 1124 lbf	n/a	n/a	n/a
Bending radius	45 mm 1.8 "	80 mm 3.1 "	100 mm 3.9 "	n/a	n/a	n/a
Outer diameter (braided)	16.8 mm 0.7 "	26.1 mm 1.0 "	31.5 mm 1.2 "	34.9 mm 1.4 "	42.5 mm 1.7 "	54.3 mm 2.1 "
Inner diameter of fitting	n/a	17 mm 0.7 "	20 mm 0.8 "	n/a	n/a	n/a
Flow rate (300 mm, 3 bar, open atmosphere)	60 l/min 15.9 gpm	n/a	n/a	n/a	n/a	n/a
Braiding	SST	SST	SST	SST	SST	SST
Inlet + outlet fittings	1/2" female / male / Elbow 3/4" female / male / Elbow	3/4" female / male / Elbow 1" female / male / Elbow	1" female 1" male 1" Elbow	1¼" female 1¼" male	1½" female 1½" male	2" female 2" male



female **Elbow** **male**

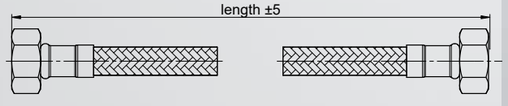
Fitting Material Options

CW617N (standard), CW742R (upon request)

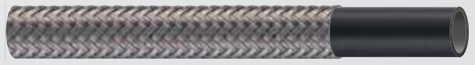
TECHNICAL

INDUSTRIAL APPLICATIONS

Length: according to customer need



Structure



stainless steel braiding EPDM

AVT I DN13 – DN50

EPDM

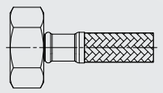
Features & Information

AVT-I hoses were developed to meet customer requirements for anti-vibration hoses withstanding a working pressure of up to 27.5 bar. They are suitable for connecting pumps, boilers or surge tanks to the water network where medium to high pressure prevails.

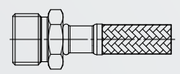
Application

Technical Specification

	AVT I 13	AVT I 19	AVT I 25	AVT I 32	AVT I 40	AVT I 50
Max. operating temperature	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F
Max. temperature	110°C 230°F	110°C 230°F	110°C 230°F	110°C 230°F	110°C 230°F	110°C 230°F
Max. working pressure	27.5 bar 400 psi	27.5 bar 400 psi	27.5 bar 400 psi	20.5 bar 300 psi	20.5 bar 300 psi	17.5 bar 250 psi
Burst pressure	> 110 bar > 1600 psi	> 110 bar > 1600 psi	> 95 bar > 1400 psi	> 62 bar > 900 psi	> 62 bar > 900 psi	> 52 bar > 750 psi
Tensile strength	> 2000 N > 450 lbf	> 2500 N > 562 lbf	> 3000 N > 674 lbf	> 3000 N > 674 lbf	n/a	n/a
Bending radius	90 mm 3.5 "	90 mm 3.5 "	110 mm 4.3 "	130 mm 5.1 "	150 mm 5.9 "	180 mm 7.1 "
Outer diameter (braided)	19 mm 0.7 "	27 mm 1.1 "	34 mm 1.3 "	42 mm 1.7 "	54 mm 2.1 "	66 mm 2.6 "
Inner diameter of fitting	10 mm 0.4 "	15 mm 0.6 "	20 mm 0.8 "	26 mm 1.0 "	32 mm 1.3 "	41 mm 1.6 "
Flow rate (300 mm, 3 bar, open atmosphere)	70 l/min 13.2 gpm	145 l/min 32 gpm	n/a	n/a	n/a	n/a
Braiding	SST	SST	SST	SST	SST	SST
Inlet + outlet fittings	1/2" 1/2" NPSM 1/2" NPT male	3/4" 3/4" NPSM 3/4" NPT male	1" 1" NPSM 1" NPT male	1¼" 1¼" NPSM 1¼" NPT male	1½" 1½" NPSM 1½" NPT male	2" 2" NPSM 2" NPT male



female



male

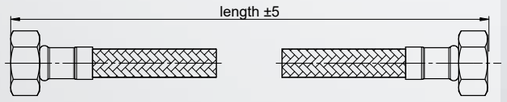
Fitting Material Options

CW617N

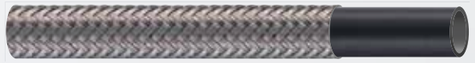
TECHNICAL

INDUSTRIAL APPLICATIONS

Length: according to customer need



Structure



stainless steel braiding EPDM

EPDM DN10 – DN50

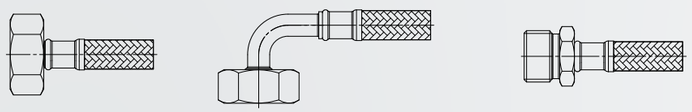
Features & Information

EPDM connecting hoses in size DN10 to DN50 are recommended for applications such as water softeners, water pumps and water supply lines in large buildings. They are especially suitable for temperatures up to 70°C and thus a good choice for water heaters. The inliner is made of EPDM which continues to be recognized for its quality, meeting specific international standards for use in various markets.

Application

Technical Specification

	DN10	DN13	DN 16	DN 20	DN 25	DN 32	DN 40	DN 50
Max. operating temperature	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F	70°C 158°F
Max. temperature	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F
Max. working pressure	10 bar 145 psi	10 bar 145 psi	10 bar 145 psi	10 bar 145 psi	10 bar 145 psi	6 bar 87 psi	6 bar 87 psi	6 bar 87 psi
Burst pressure	> 85 bar > 1233 psi	> 75 bar > 1088 psi	> 60 bar > 870 psi	> 50 bar > 725 psi	> 40 bar > 580 psi	> 30bar > 435 psi	> 30bar > 435 psi	> 30bar > 435 psi
Tensile strength	> 1500 N > 337 lbf	> 2000 N > 450 lbf	> 3000 N > 674 lbf	> 4000 N > 899 lbf	>5000 N > 1124 lbf	n/a	n/a	n/a
Bending radius	35 mm 1.4"	40 mm 1.6"	50 mm 2.0"	75 mm 3.0"	110 mm 4.3"	115 mm 4.5"	195 mm 7.7"	290 mm 11.4"
Outer diameter (braided)	14.0 mm 0.6"	19.5 mm 0.8"	22.0 mm 0.9"	27.5 mm 1.1"	34.5 mm 1.4"	41.0 mm 1.6"	52.0 mm 2.0"	63.0 mm 2.5"
Inner diameter of fitting	8 mm 0.3"	10 mm 0.4"	12 mm 0.5"	17 mm 0.7"	20 mm 0.8"	n/a	n/a	n/a
Flow rate (300 mm, 3 bar, open atmosphere)	45 l/min 9.9 gpm	60 l/min 13.2 gpm	n/a	n/a	n/a	n/a	n/a	n/a
Braiding	SST	SST	SST	SST	SST	SST	SST	SST
Inlet + outlet fittings	1/2" and 3/4" female / male / Elbow	1/2" and 3/4" female / male / Elbow	1/2" and 3/4" female / male / Elbow	3/4" and 1" female / male / Elbow	1" female 1" male 1" Elbow	1¼" female 1¼" male	1½" female 1½" male	2" female 2" male



female **Elbow** **male**

Fitting Material Options

CW617N, CW602N

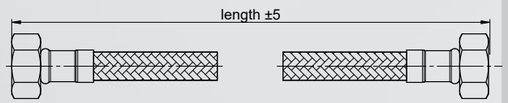
Hoses for Steam Applications

TECHNICAL

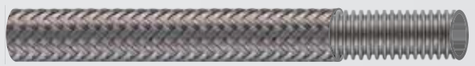
INDUSTRIAL APPLICATIONS

HIGH PRESSURE
HIGH TEMPERATURE

Length: according to customer need



Structure



stainless steel braiding — stainless steel

VIX DN10 – DN52

SS321 metal hose

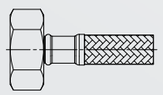
Features & Information

VIX hoses are used to connect boilers, burners and steam passage systems to the water supply in environments where resistance to high pressure and temperatures is required. They are entirely made of metal. VIX hoses are mainly manufactured from DN10 to DN52. On demand, they can be manufactured up to DN100.

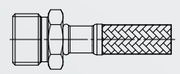
Application

Technical Specification

	VIX 10	VIX 12	VIX 20	VIX 25	VIX 32	VIX 40	VIX 52
Max. operating temperature	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F
Max. temperature	200°C 392°F	200°C 392°F	200°C 392°F	200°C 392°F	200°C 392°F	200°C 392°F	200°C 392°F
Max. working pressure	30 bar 435 psi	30 bar 435 psi	25 bar 363 psi	20 bar 290 psi	15 bar 218 psi	10 bar 145 psi	8 bar 116 psi
Burst pressure	> 120 bar > 1740 psi	> 120 bar > 1740 psi	> 120 bar > 1740 psi	> 120 bar > 1740 psi	> 100 bar > 1450 psi	> 100 bar > 1450 psi	> 70 bar > 1015 psi
Tensile strength	2000 N 450 lbf	2000 N 450 lbf	2500 N 562 lbf	2500 N 562 lbf	3000 N 674 lbf	3000 N 674 lbf	3000 N 674 lbf
Bending radius	70 mm 2.8"	90 mm 3.5"	150 mm 5.9"	180 mm 7.1"	230 mm 9.1"	260 mm 10.2"	300 mm 11.8"
Outer diameter (braided)	16 mm 0.6"	19 mm 0.7"	29 mm 1.1"	37 mm 1.5"	44 mm 1.7"	52 mm 2.0"	66 mm 2.6"
Inner diameter of fitting	9 mm 0.4"	10.5 mm 0.4"	18 mm 0.7"	22 mm 0.9"	30 mm 1.2"	35 mm 1.4"	46 mm 1.8"
Flow rate (300 mm, 3 bar, open atmosphere)	48 l/min 12.7 gpm	70 l/min 13.2 gpm	145 l/min 32 gpm	n/a	n/a	n/a	n/a
Braiding	SST	SST	SST	SST	SST	SST	SST
Inlet + outlet fittings	3/8" 3/8" male	1/2" 1/2" male	3/4" 3/4" male	1" 1" male	1¼" 1¼" male	1½" 1½" male	2" 2" male



female



male

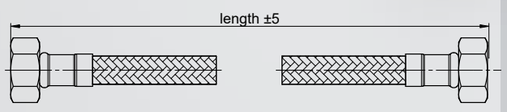
Fitting Material Options

VIX 10 - 32: SST/CW614N
VIX 40 - 52: SST/galvanized steel

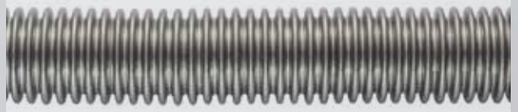
TECHNICAL

INDUSTRIAL APPLICATIONS

Length: according to customer need



Structure



stainless steel

PGN DN10 – DN52

SS321

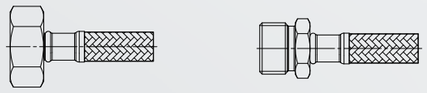
Features & Information

We recommend PGN hoses to connect boilers, burners and steam passage systems to the water supply in environments without high pressure. PGN hoses are made of metal without outside braiding and are manufactured from DN10 to DN52.

Application

Technical Specification

	PGN 10	PGN 12	PGN 20	PGN 25	PGN 32	PGN 40	PGN 52
Max. operating temperature	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F	90°C 194°F
Max. temperature	150°C 302°F	150°C 302°F	150°C 302°F	150°C 302°F	150°C 302°F	150°C 302°F	150°C 302°F
Max. working pressure	5 bar 73 psi	5 bar 73 psi	3 bar 44 psi	3 bar 44 psi	3 bar 44 psi	2 bar 29 psi	1 bar 14.5 psi
Burst pressure	> 20 bar > 290 psi	> 20 bar > 290 psi	> 15 bar > 218 psi	> 15 bar > 218 psi	> 15 bar > 218 psi	> 8 bar > 116 psi	> 5 bar > 73 psi
Tensile strength	> 500 N > 112 lbf	> 500 N > 112 lbf	> 700 N > 157 lbf	> 700 N > 157 lbf	> 700 N > 157 lbf	> 800 N > 180 lbf	> 800 N > 180 lbf
Bending radius	65 mm 2.6 "	80 mm 3.1 "	130 mm 5.1 "	160 mm 6.3 "	220 mm 8.7 "	250 mm 9.8 "	280 mm 11.0 "
Outer diameter (braided)	16 mm 0.6 "	19 mm 0.7 "	29 mm 1.1 "	37 mm 1.5 "	44 mm 1.7 "	52 mm 2.0 "	66 mm 2.6 "
Inner diameter of fitting	9 mm 0.4 "	10.5 mm 0.4 "	18 mm 0.7 "	22 mm 0.9 "	30 mm 1.2 "	35 mm 1.4 "	46 mm 1.8 "
Flow rate (300 mm, 3 bar, open atmosphere)	48 l/min 12.7 gpm	70 l/min 13.2 gpm	145 l/min 32 gpm	n/a	n/a	n/a	n/a
Braiding	none	none	none	none	none	none	none
Inlet + outlet fittings	3/8" 3/8" male	1/2" 1/2" male	3/4" 3/4" male	1" 1" male	1¼" 1¼" male	1½" 1½" male	2" 2" male



female **male**

Fitting Material Options

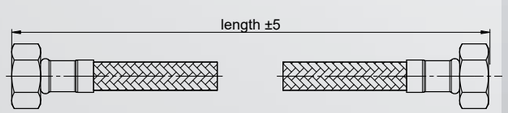
PGN 10 - 32: SST / CW614N
PGN 40 - 52: SST / galvanized steel

Appliances

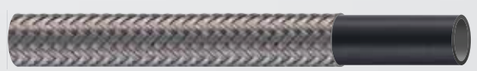
TECHNICAL

APPLIANCES

Length: according to customer need



Structure



stainless steel braiding EPDM

LAVINOX DN10

EPDM

Features & Information

LAVINOX, with stainless steel braiding, is known as the flexible hose for top-quality household appliances. It is the right answer for all customers looking to maintain the high performance of the household appliance for a long time. LAVINOX is equipped with nickel-plated brass fittings and stainless steel sleeves.

Application

Technical Specification

Max. operating temperature
70°C 158°F

Max. temperature
90°C 194°F

Max. working pressure
10 bar 145 psi

Burst pressure
> 85 bar > 1233 psi

Tensile strength
> 1200 N > 270 lbf

Bending radius
35 mm 1.4“

Outer diameter (braided)
14 mm 0.6“

Inner diameter of fitting
7.5 mm 0.3“

Flow rate
(300 mm, 3 bar, open atmosphere)
45 l/min 11.9 gpm

Product Standards

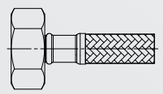
EN 61770

Braiding Options

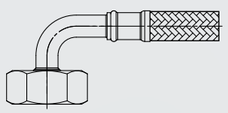
SST (stainless steel)

SST with identification stripes

Inlet Fittings

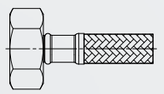


3/4”



3/4” Elbow

Outlet Fittings



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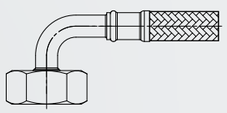
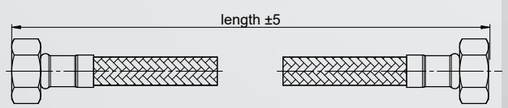


3/4” Elbow

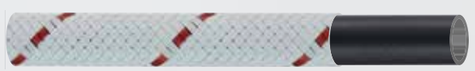
Fitting Material Options

CW617N, PA

Length: according to customer need



Structure



polyamide braiding EPDM

NYLONFLEX DN10

EPDM

Features & Information

NYLONFLEX is an inlet hose for washing machines and dishwashers with a braiding completely made of nylon to ensure great surface covering and high resistance. It is available with fittings in nylon and with an incorporated anti-limestone filter on demand. This protects the connected appliance and prolongs its product life.

Application

Technical Specification

Max. operating temperature
70°C 158°F

Max. temperature
70°C 158°F

Max. working pressure
10 bar 145 psi

Burst pressure
> 40 bar > 580 psi

Tensile strength
> 1200 N > 270 lbf

Bending radius
40 mm 1.6 “

Outer diameter (braided)
14 mm 0.6 “

Inner diameter of fitting
6.5 mm 0.3 “

Flow rate
(300 mm, 3 bar, open atmosphere)
45 l/min 11.9 gpm

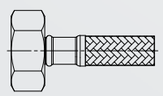
Product Standards

EN 61770

Braiding Options

PA (polyamide)

Inlet Fittings



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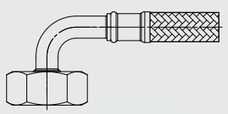
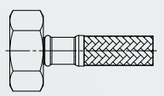
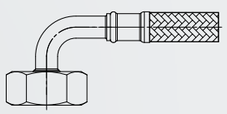


3/4” Elbow

Outlet Fittings



3/4”

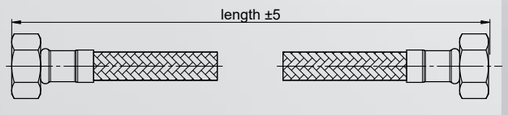


3/4” Elbow

Fitting Material Options

CW617N, PA

Length: according to customer need



Structure

polyamide braiding with stainless steel bands

EPDM

MIXINOX DN10

EPDM

Features & Information

MIXINOX is an inlet hose for washing machines and dishwashers which combines the low cost of nylon with the strength of stainless steel. It can be equipped with fittings in nylon or brass. MIXINOX can optionally be equipped with a transparent filter included in the hose. Thanks to this particular filter, limestone cannot reach the household appliance – for better performance and a longer product life.

Application

Technical Specification

Max. operating temperature
70°C 158°F

Max. temperature
90°C 194°F

Max. working pressure
10 bar 145 psi

Burst pressure
> 60 bar > 870 psi

Tensile strength
> 1200 N > 270 lbf

Bending radius
40 mm 1.6 “

Outer diameter (braided)
14 mm 0.6 “

Inner diameter of fitting
6.5 mm 0.3 “

Flow rate
(300 mm, 3 bar, open atmosphere)
40 l/min 10.6 gpm

Product Standards

EN 61770

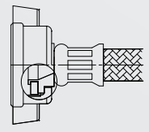
Attainable Approvals

Hygienic & Mechanical: RISE

Braiding Options

PA with SST bands

Inlet Fittings



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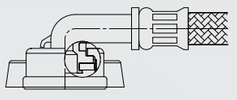
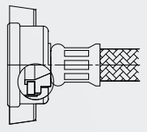


3/4” Elbow

Outlet Fittings



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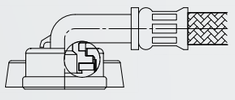

3/4” Elbow

Fitting Material Options

CW617N, PA

HOSE MANUFACTURING SITES

Worldwide network.
We are close to our customers no matter where they are located. This means that the products are shipped over shorter distances, resulting in shorter delivery times. And with redundant capacity across our production plants, we ensure that our customers can rely on us to deliver their components at the right time and in the required quantity.

DK

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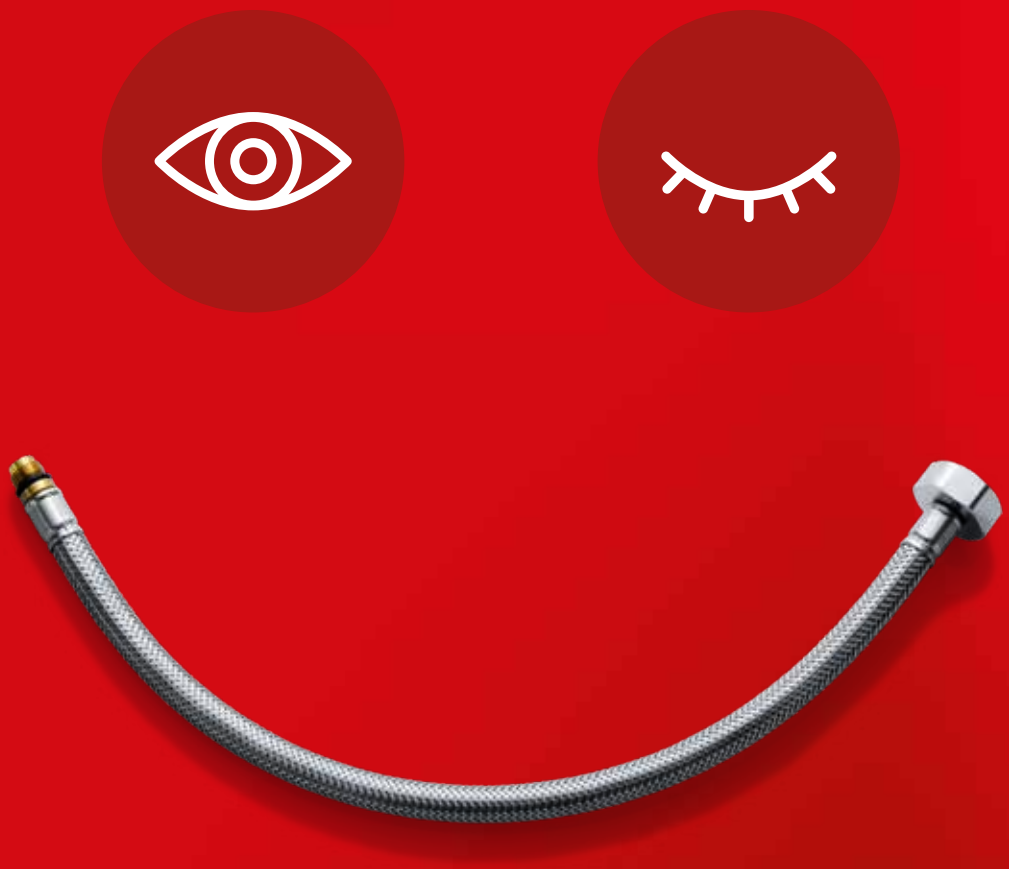
ALL OVER THE WORLD.

ALWAYS ABOUT THE FLOW!



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