

product lines







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product lines

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Aalberts integrated piping systems

don't just buy
products,
buy solutions.

pipings technology

we are Aalberts integrated piping systems

Aalberts integrated piping systems engineers the most advanced integrated piping systems for the distribution and control of liquids and gases for key verticals, like industrial, utilities, commercial and residential. We offer fully integrated piping systems in valve, connection, fastening and piping technology. We work hand-in-hand with our customers to create the perfect integrated piping system, that meets their requirements. Our piping systems are easy to specify, install, control and maintain, saving important preparation and installation time. We meet the highest quality and industry standards needed in the selected verticals. We are the only business that truly offers its customers a single sourced and complete integrated piping solution, each and every time.

Don't just buy products, buy solutions.

our mission

With our integrated piping systems, supported by our unique Digital Design Service, we ensure that you will always get the best and easiest solution for the installation of an integrated piping system. From the moment that your plan is designed, you can get advice on complete and tailored solutions. With our Revit Plug-in you have digital access to the complete product offering within Aalberts integrated piping systems. This information is always accessible and up to date, allowing the design of an optimal and economically attractive installation that will meet all your demands. So whether the task is project conception, installation, or on-going maintenance, we are the company that truly delivers a complete system and service offering. Our know-how, our can-do attitude, and our relentless innovation come as standard. We will sweat the small stuff in our quest to find the perfect solutions, even if we have to invent them.

This is how we deliver excellence.

our way of working

We operate from various regions around the globe: America, EMEA and APAC. As we have multiple locations in many countries, we are always close to our customers. More than 3500 mission critical employees are persistent to offer the best integrated piping system. We work on our products, solutions and services every day. No matter how big the opportunity is, when we say we've got this, we won't let go until there is nothing left to learn. We improve ourselves by exchanging knowledge and experience to stay ahead of our competitors.

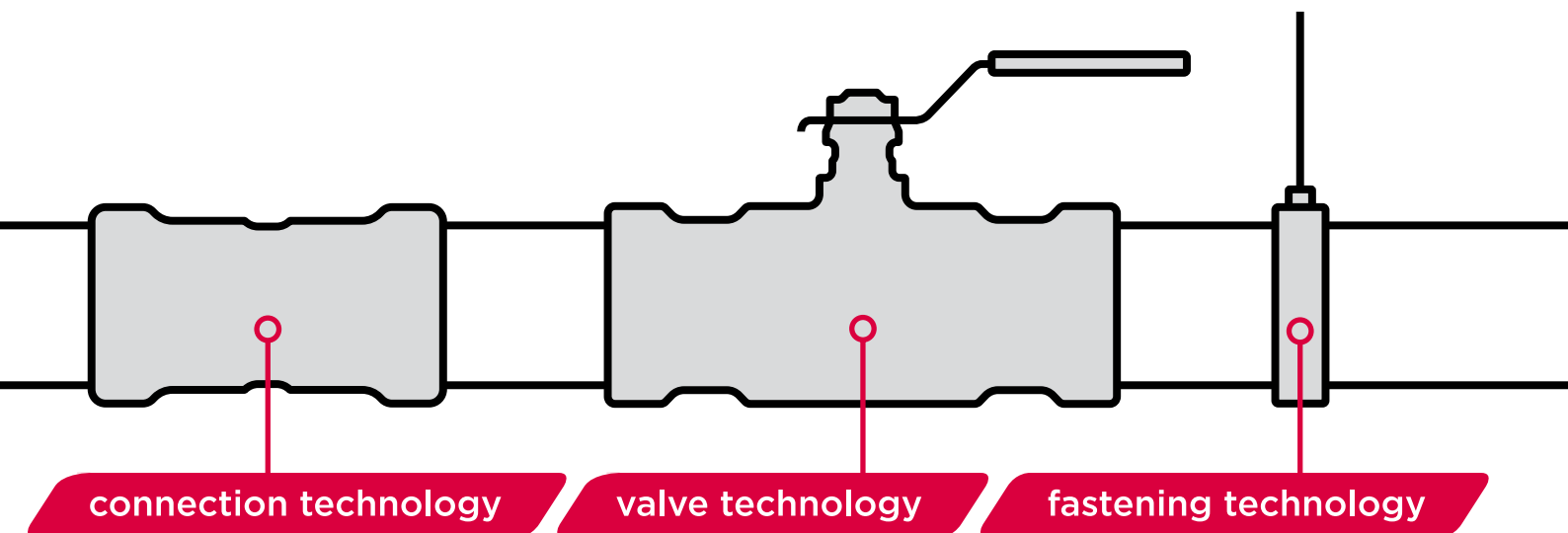
Good is never good enough.

With our sustainable spirit we contribute to circularity every single day. This belief is strongly linked to the way we do business. Rethink, reduce and recycle. We are entrepreneurial and take ownership in everything we do. We are convinced that self-development and diversity is essential.

The Aalberts way, winning with people.

the strength of Aalberts integrated piping systems

- the perfect solution for every project
- smart, fast and efficient installation
- valuable advice from the drawing board to delivery
- a very wide product range



our systems are easy to combine with each other

Aalberts integrated piping systems is the combination of different companies with a strong legacy in their markets. Together they offer the best integrated piping system for now and in the future.

Connection technology

VSH

VSH has been supplying quality products for 90 years and delivers piping systems and fittings throughout the world. In the 1970's VSH brought the well-known VSH Super compression fitting on the market which is still a best-seller, followed by the VSH XPress pressfitting, a technology that makes it possible to realize a connection even faster and more reliable.

Shurjoint

The history of Shurjoint dates back to 1974, when the founders produced their first grooved couplings. These first couplings were produced from malleable iron, the casting material of choice at this time. Shurjoint is

recognized as a world leader in the design and manufacture of mechanical piping components.

Valve technology

Apollo

Apollo Valves has been supplying the commercial and industrial valve markets since 1928. The valves, with their signature yellow handles, are designed and manufactured in their state-of-the-art facilities in the Carolinas, USA. Apollo's vertical manufacturing integration assures better quality control, better cost control, and the shortest delivery lead times possible for their range of ball valves, automation products, safety relief valves, backflow preventers and plumbing/heating products.

our product lines

We offer product ranges that:

- connect seamlessly
- are available in dimensions from 6 mm up to 104" (DN2600)
- can be used for thick-walled pipe and thin-walled metal or plastic tube
- have press, compression, groove and push connections
- can be expanded with valves and accessories
- are BIM ready

IPS Fastening



material	carbon steel / stainless steel / copper
suitable for connection	all types of piping systems
options	¼" - 16"
	with or without sound-absorbing insert & heat/cold insulation

VSH PowerPress®



material	carbon steel
suitable for	thick-walled steel
connection	press / DW-profile
dimensions	½" - 4" (DN15 - DN100)

VSH SudoPress



material	carbon steel / stainless steel / copper
suitable for	carbon steel / stainless steel / copper
connection	press / V-profile
dimensions	12 - 108 mm (DN10 - DN100)

VSH XPress



material	carbon steel / stainless steel / copper / unifer
suitable for	carbon steel / stainless steel / copper / unifer
connection	press / M-profile
dimensions	12 - 108 mm (DN10 - DN100)

VSH Shurjoint



material	ductile iron / stainless steel
suitable for	thick-walled steel / stainless steel / HDPE
connection	groove
dimensions	½" - 104" (DN15 - DN2600)

VSH Super



material	brass
suitable for	carbon steel / stainless steel / copper / plastic
connection	compression
dimensions	6 - 54 mm (DN4 - DN50)

VSH SmartPress



material	stainless steel
suitable for	stainless steel (schedule 5S/10S)
connection	press / V-profile (ASP)
dimensions	½" - 2" (DN15 - DN50)

Apollo Valves



material	brass / bronze / carbon steel / stainless steel
suitable for	steel / carbon steel / stainless steel / copper
connection	threaded / press / push / flange
dimensions	DN15 - DN300

Apollo ProFlow



material	brass / ductile iron
suitable for	carbon steel / stainless steel / copper / plastic
connection	threaded / press / flange
dimensions	DN15 - DN300

Seppelfricke



material	brass
suitable for	steel / carbon steel / stainless steel / copper
connection	press (V & M profile) / threaded
dimensions	10 - 54 mm (DN8 - DN50)

VSH MultiPress



material	PPSU / brass
suitable for	plastic
connection	press / U & TH profile
dimensions	14 - 63 mm (DN10 - DN50)

VSH UltraLine



material	PPSU / brass / PVDF
suitable for	plastic
connection	sliding sleeve
dimensions	14 - 32 mm (DN10 - DN25)

VSH Tectite



material	copper / brass / stainless steel
suitable for	copper / carbon steel / stainless steel
connection	push
dimensions	10 - 54 mm (DN8 - DN50)



world's most comprehensive thick-wall press system

VSH PowerPress® is a complete press piping system that allows you to install complete heating, cooling, natural gas, compressed air and sprinkler installations with thick-walled tubes. The range consists of ½" to 2" DW profile press fittings, valves and tools. Transition couplings make it easy to combine thick-wall systems with thin-wall systems such as VSH XPress and VSH SudoPress.

double safety

With VSH PowerPress® systems, the tool is what ensures connection quality, rather than the installer. This significantly reduces the risk of installation errors.

All fittings are equipped with a Leak Before Pressed (LBP) function, further reducing the risk of installation errors. With the LBP function, when performing a pressure test you can immediately see which fitting has not been pressed.

All fittings also have a Visu-Control® ring that breaks away from the fitting during pressing. This makes unpressed fittings visible and tangible, so they don't have to be marked as pressed afterwards, saving considerable time. The Visu-Control® ring also gives a direct indication if you are working with water (red) or gas (yellow) fittings.

material	carbon steel
suitable for	thick-walled steel
connection	press / DW-profile
dimensions	½" - 2" (DN15 - DN50)

faster, simpler and safer connection of thick-walled pipe systems

- Visu-Control® ring and Leak Before Pressed function
- immediate identification of material and dimensions
- ZnNi coating for excellent corrosion resistance
- clever serrations on the stainless steel grip ring for maximum dependability
- complete piping system from ½" to 2"
- installation with safe, lightweight battery-powered tools
- FM approval on fittings, suitable for wet sprinkler systems
- fully compatible with other Aalberts ips systems

new!

VSH PowerPress® Fittings and valves also available in XL dimensions 2½", 3" and 4" in 2025



applications

heating and cooling

VSH PowerPress® is the best solution for heating and cooling systems. The products undergo very stringent tests during production and are absolutely leak-proof. Because of their design and the production process, the fittings have smooth interior profiles. This means they have very low flow resistance and low noise level. The compact fittings are very easy to insulate.

compressed air

VSH PowerPress® is ideal for use in oil-free compressed air installations. The EPDM O-rings are ideal for use in compressed air installations with dry compressed air. When the compressed air contains mineral or vegetable oils, VSH PowerPress® Gas fittings with HNBR o-rings can be used.

sprinkler

VSH PowerPress® has FM sprinkler approval, making it suitable for wet sprinkler installations. With the combination of VSH PowerPress® and VSH Shurjoint grooved couplings, you can install sprinkler installations of any size, from small to very large.

natural gas and hydrogen **H₂ ready**

The VSH PowerPress® product range includes specific high-quality products for a very wide variety of gas systems. They have all the essential approval ratings, including DVGW, BSI and Gastec QA. VSH PowerPress® Gas fittings are easily recognisable by their yellow Visu-Control® and o-ring. The VSH PowerPress® gas fittings are also suitable for hydrogen (H₂ ready).



More information about VSH PowerPress® and the technical manual can be found at
www.aalberts-ips.eu/products/vsh-powerpress



heating



cooling



compressed air



sprinkler



natural gas

VSH SudoPress



a complete piping system with double safety

VSH SudoPress is a complete piping system suitable for a wide range of applications: from potable water, gas, heating and solar installations to cooling water and compressed air systems. The range consists of V-profile press fittings, accessories, tools and tubes, and is available in carbon steel, stainless steel and copper. Convenient installation and double safety are top priorities.

material	carbon steel / stainless steel / copper
suitable for	carbon steel / stainless steel / copper
connection	press / V-profile
dimensions	12 – 108 mm (DN10 – DN100)

double safety

The Leak Before Pressed function shows you at a glance which fittings have not been pressed. Thanks to the special o-ring, water flows out of unpressed fittings when the system is pressurised. This gives you an extra check to avoid consequential damage and always delivers a fully leak-tight system.

The advantages of VSH SudoPress

- convenient installation, time savings and safety are top priorities
- double safety with Visu-Control® ring and Leak Before Pressed function
- simple, fast connection technology
- complete piping system (carbon steel, stainless steel and copper)
- fittings and tubes from 12 to 108 mm
- handy, matching press tools
- wide range with many local approvals
- fully compatible with other Aalberts ips systems

Leak Before Pressed + Visu-Control® = double safety!

Visu-Control® is a supplementary safety feature on VSH SudoPress fittings which enables a visual and tactile check to be made in addition to the Leak Before Pressed function. After pressing, simply remove the Visu-Control® ring from the fitting to see at a glance whether the fitting has been pressed. This also eliminates the need to mark pressed fittings afterward.

transition to other Aalberts integrated piping systems

Transitions to threaded or compression connections are also possible. Various transition couplings are available for VSH SudoPress for easy transition to other systems.

applications

potable water and process water

With a VSH SudoPress system, you meet all required standards for potable water systems. All system components are available in stainless steel and copper and are fully corrosion resistant.

heating and cooling

VSH SudoPress is the perfect solution for heating and cooling systems. Due to the use of laser welding, the fittings are perfectly finished on the inside and have very low flow resistance. The noise level is also very low. The fittings undergo stringent tests during the fully automated production process to ensure they are leak-proof.

natural gas and hydrogen H₂ ready

VSH SudoPress Copper Gas fittings are ideal for a wide range of gas installations. They have all essential approval marks, including Gastec QA and DVGW. VSH SudoPress Copper Gas fittings can be easily identified by a yellow Visu-Control® ring, a yellow marking and a yellow o-ring. The VSH SudoPress gas fittings are also suitable for hydrogen (H₂ ready).

compressed air

VSH SudoPress Carbon, Stainless and Copper are ideal for compressed air installations. Different types of o-rings are used depending on the moisture and oil content. If the compressed air contains mineral or vegetable oil, then FPM o-rings must be used. EPDM o-rings can be used only for compressed air with synthetic oil or dry compressed air.

solar

VSH SudoPress Carbon, Stainless and Copper fittings are equipped as standard with EPDM o-rings that can withstand very high temperatures. If dealing with even higher temperatures, the standard o-rings can be exchanged for special FPM o-rings. For extra convenience, a limited range of VSH SudoPress Copper Solar fittings is available with FPM o-rings.



Detailed information on the practical applications of VSH SudoPress can be found in the technical manual and at www.aalberts-ips.eu/products/vsh-sudopress.



potable water



heating



cooling



natural gas



compressed air



solar

VSH XPress



the complete M-profile piping system

VSH XPress is a complete piping system that is suitable for every conceivable application – from potable water, gas, heating and solar installations to sprinkler systems. The range consists of M-profile press fittings, valves, tubes and press tools, and is available in carbon steel, stainless steel, copper and CuNiFe. With a complete range of dimensions (from 12 to 108 mm, including intermediate sizes 64 and 66.7 mm), VSH XPress is easy to use anywhere.

seamless combinations

The wide range of transition couplings allows for easy transitions and connections, enabling systems from 12 mm to 104" to be built. For example, a grooved transition coupling is perfect for easily connecting VSH Shurjoint to VSH XPress. It is also possible to connect to thick-walled steel pipes with the transition coupling to the VSH PowerPress®.

Apollo FullFlow valves with VSH XPress connections

The unique Apollo FullFlow Carbon or Stainless ball valves feature a M-profile connection, enabling it to fit seamlessly into the VSH XPress system. This allows you to effortlessly install one after the other, meaning shorter installation time. Apollo FullFlow ball valve are full bore. As a result, the valve has virtually no flow resistance. The design of this slim valve is unique. The valve body is manufactured in one piece, greatly reducing the risk of leaking.

material	carbon steel / stainless steel / copper / CuNiFe
suitable for	carbon steel / stainless steel / copper / CuNiFe
connection	press / M-profile
dimensions	12 – 108 mm (DN10 – DN100)

convenient installation,
time savings and safety are
the top priorities

- available in 4 different materials
- a wide range from 12 to 108 mm, including unique intermediate sizes 64 and 66.7 mm
- clear identification of materials and dimensions
- quick installation thanks to pre-marked insertion depths
- more security with the Leak Before Pressed function
- matching professional press tools
- fully compatible with other Aalberts ips systems

applications

potable water

With a VSH XPress system, you can be confident of compliance with all applicable standards for open and closed water and potable water systems. All system components are available in stainless steel and copper and are fully corrosion resistant, even when exposed to demineralised or distilled water.

heating and cooling

VSH XPress is the best solution for heating and cooling systems. The products undergo the most stringent tests during the production process and are absolutely leak-proof. Thanks to their design and the production process, the fittings have smooth interior profiles. As a result, they have very low flow resistance and low noise level. The compact fittings are very easy to insulate.

natural gas and hydrogen H₂ ready

The VSH XPress product range includes specific high-quality products for a very wide variety of gas systems. They are available in stainless steel and copper and have all the essential approvals, including DVGW, SVGW and Gastec QA. VSH XPress gas fittings are easily recognisable by their yellow marking and yellow o-ring. The VSH XPress Copper Gas fittings are also suitable for hydrogen (H₂ ready).

steam

VSH XPress Stainless is particularly suitable for low-pressure steam piping systems. Steam up to 120°C can even be installed with VSH XPress Stainless using the standard EPDM o-ring. A special (white) FPM o-ring is suitable for high-temperature steam.

compressed air

VSH XPress Carbon, Stainless and Copper are ideal for compressed air installations. Different types of o-rings are used depending on the oil content. If the compressed air contains mineral or vegetable oil, fittings with HNBR or FPM o-rings must be used.

solar

The entire VSH XPress system is equipped with EPDM o-rings that can withstand very high temperatures. When even higher temperatures are involved, choose VSH XPress products with special FPM o-rings.

sprinkler

Our VSH XPress system is certified for sprinkler and low pressure water mist installations and is suitable for fixed sprinkler installations. Since VSH XPress Sprinkler is approved as a system, the use of approved combinations of fittings, tubes and tools is mandatory.



More information and the technical manual for VSH XPress can be found at www.aalberts-ips.eu/products/vsh-xpress



potable water



heating



cooling



natural gas



steam



compressed air



sprinkler



solar



vacuum

Apollo FullFlow



complements
our VSH XPress
system:
ball valves,
fittings, tubes
and tools

The VSH Apollo FullFlow Carbon or Stainless ball valve is suitable for heating, cooling systems, compressed air and drinking water. This unique ball valve features an M-profile connection, enabling it to fit seamlessly into the VSH XPress system. This allows you to effortlessly install one after the other, meaning shorter installation time.

material	Carbon / Stainless
suitable for	Carbon / Stainless / Copper / Cunifer
connection	Press / M profile
dimensions	15 - 54 mm (DN8 - DN50)

Full bore

The VSH Apollo FullFlow ball valve has a full bore. As a result, the valve has virtually no flow resistance. The design of this slim VSH Apollo FullFlow valve is unique. The ball valve body is manufactured in one piece, greatly reducing the risk of leaks.

VSH XPress piping system

The VSH Apollo FullFlow ball valve is a perfect addition to the VSH XPress range, as it is equipped with M-profile press ends and fits seamlessly into the VSH XPress system. This saves you a lot of time because you can install the valve with the same press tool. In addition to the version with 2 press ends, the valve is available with press/union connections and press/female thread connections.

easy installation is paramount

- full bore
- 10-year warranty
- exchangeable coloured insert in handle to distinguish hot and cold
- Leak Before Pressed function
- extended stem for easy insulation
- dimensions from 15 to 54 mm
- available with union and female thread connections in addition to press ends
- fully compatible with other Aalberts ips systems
- BIM ready

new!

Apollo FullFlow Carbon valves now available with T-handle and gear handle!



applications

potable water and process water

By using a VSH Apollo FullFlow stainless steel ball valve in combination with VSH XPress stainless steel fittings, you comply with all standards for open and closed water systems and drinking water systems. All system components are available in stainless steel and are fully corrosion resistant. Even when exposed to demineralised or distilled water.

heating and cooling

The full bore through the VSH Apollo FullFlow ball valve minimises flow losses, making the installation virtually silent. This makes the valve ideal for heating and cooling systems. The slim design and option of an extended stem make the ball valve easy to insulate, also vapour-tight. As a result, loss of heat or cold is limited.

compressed air

VSH XPress has been used successfully in compressed air systems for many years. VSH Apollo FullFlow ball valves are an ideal addition to this.



Detailed information on practical applications of Apollo FullFlow valves can be found in the technical manual and at www.aalberts-ips.eu



potable water



heating



cooling



compressed air

VSH SmartPress



the smartest press system for stainless piping

VSH SmartPress is a complete press piping system that is suitable for many applications – from potable water, heating and solar installations to sprinkler systems. The range consists of V-profile (type ASP) press fittings, valves and press tools, and is available in stainless steel in combination with Schedule 5S/10S stainless steel piping. With a complete range of dimensions (from ½" to 2"), VSH SmartPress is easy to use anywhere.

material	stainless steel
suitable for	stainless steel (schedule 5S/10S)
connection	press / V-profile (ASP)
dimensions	½" - 2" (DN15 - DN50)

convenient installation,
time savings and safety are
the top priorities

- complete range of AISI 316 fittings and valves
- up to 34 bar operating pressure
- a wide range from ½" to 2"
- unique FullFlow and 3-piece ball valve
- clear identification of sealing element and dimensions
- quick installation due to pre-marked insertion depths
- more security with the Leak Before Press® function
- matching professional press tools
- fully compatible with other Aalberts ips systems

triple assurance safety

All VSH SmartPress products are supplied with triple assurance safety. The first assurance is the color-coded material identification, which directly shows you the compound of the sealing element. Another great safety feature is the visual press indication, which makes it very easy to identify which joints have been pressed and which have not. The third and last safety feature is the Leak Before Press® technology where unpressed joint will leak water during pressure testing.

pre-marked insertion depth

Safe and secure connections depend on the correct insertion depths. However, marking the insertion depth can be a time-consuming task. This is why all plain end and street-end fittings come supplied with a pre-marked insertion depth line, promoting quicker installation times which at the same time prepare for a confident connection. This results in more than 25% of all VSH SmartPress fittings no longer have to be marked by the installer.

new!

VSH SmartPress Fittings and valves
available in dimension 1¼" in 2025

applications

potable water

With a VSH SmartPress system, you can be confident of compliance with all applicable standards for open and closed water and potable water systems. All system components are available in stainless steel and are fully corrosion resistant, even when exposed to demineralised or distilled water.

heating and cooling

VSH SmartPress is the best solution for heating and cooling systems. The products undergo the most stringent tests during the production process and are absolutely leak-proof. Thanks to their design and the production process, the fittings have smooth interior profiles. As a result, they have very low flow resistance and low noise level. The compact fittings are very easy to insulate.

steam

VSH SmartPress is particularly suitable for low-pressure steam piping systems. Steam up to 120°C can be installed with VSH SmartPress using the standard EPDM sealing ring.

compressed air

VSH SmartPress is ideal for compressed air installations. Different types of sealing rings are used depending on the oil content. When the compressed air contains mineral or vegetable oil, HNBR or FPM sealing rings must be used.

solar

The VSH SmartPress system is equipped with EPDM sealing rings that can withstand very high temperatures. When even higher temperatures are involved, choose VSH SmartPress products with special FPM sealing rings.

sprinkler

Our VSH SmartPress system is certified for sprinkler and low pressure water mist installations and is suitable for fixed sprinkler installations.



You can find detailed information on the practical application of VSH SmartPress in the technical manual or at www.aalberts-ips.eu/products/vsh-smartpress



potable water



heating



cooling



compressed air



steam



solar



sprinkler



vacuum

VSH UltraPress



the multi-profile plastic piping system

VSH UltraPress is Aalberts integrated piping systems' reliable, high-grade plastic piping system. The fittings are multi-profile, so they can be pressed with both U and TH profile press jaws. The tubes and fittings are Kiwa, KOMO and Gastec QA approved, so the system can be used without any problems in central heating, potable water, gas and underfloor heating installations. Thanks to its high chemical and thermal resistance, VSH UltraPress can also be used in compressed air installations.

cost-saving features

The multi-layer tubes are light and flexible, making installation fast and easy and so reducing your costs.

quick installation

Costs are further reduced by shorter installation time. Pipe-calibration is not necessary up to and including 32 mm with this piping system. In addition, VSH UltraPress fittings are colour-coded so you will never pick the wrong size.

The design of the fittings and press jaws ensures optimal jaw positioning, thereby avoiding incorrect positioning or pressing. Together with the Leak Before Pressed function (for sizes 14 to 32 mm), this ensures fast and secure pressing.

transition to other Aalberts integrated piping systems

Transitions to threaded, compression or other press systems are also possible. The VSH UltraPress system includes brass transition couplings for easy transition to other systems.

material	PPSU / brass
suitable for	plastic
connection	press / U & TH profile
dimensions	14 – 63 mm (DN10 – DN50)

convenient installation, time savings and safety are top priorities

- can be pressed with both U and TH profiles
- colour-coded per size
- pipe-calibration recommended but not necessary up to 32 mm
- check windows for tube insertion depth
- optimal press jaw positioning for fast and secure pressing
- Leak Before Pressed function up to 32 mm
- a specific range of fittings and tubes for natural gas
- suitable for embedding in concrete and cement screed
- fully compatible with other Aalberts ips systems

applications

potable water

The VSH UltraPress system is guaranteed to meet all relevant standards for potable water systems. VSH UltraPress has the required potable water approvals (Kiwa and DVGW).

heating and cooling

VSH UltraPress is ideal for heating systems. The compact fittings are manufactured according to strict standards and undergo stringent testing, so you have a guaranteed leak-tight fitting. For application of VSH UltraPress in cooling systems, we recommend VSH UltraPress fittings made of PPSU.

natural gas

VSH UltraPress Gas fittings and tubes in sizes 16 to 25 mm are suitable for natural gas installations. The system is Gastec QA approved.

compressed air

VSH UltraPress tube is available in coils, ideal for installing compressed air systems. The flexible piping ensures optimal installation at minimal cost.

underfloor heating

VSH UltraPress is suitable for embedding in concrete or cement screeds. The tube meets the highest standards and has high chemical resistance.



You can find detailed information on the practical application of VSH UltraPress in the technical manual or at www.aalberts-ips.eu/products/vsh-multipress



potable water



heating



cooling



natural gas



compressed air

plastic piping sleeve system

The new VSH UltraLine piping system is based on many years of experience applied in heating and sanitary systems. The construction of the fitting without o-ring and the convenient method of making connections using the sliding sleeve technique, contributes to the uniqueness of this piping system. During development, great emphasis was placed not only on the highest technical properties and comfort of use, but also on aesthetics, providing customers with a product of highest quality and attractive appearance.

product range

VSH UltraLine consists of VSH UltraLine PPSU or brass fittings and can be used in combination with VSH UltraLine multilayer tube with an inner and outer layer of PE-RT and an aluminium core, available in a diameter range from 14 till 32 mm.

reliable and durable connection

Using VSH UltraLine is very beneficial for professional installers. Besides the comfort of working with flexible multilayer tubes, VSH UltraLine also has an additional, very important advantage: being a fitting without an o-ring. Therefore, reliability and durability of the connection is being ensured.

sliding sleeve

The symmetric design of the sliding sleeve is another great advantage of the VSH UltraLine system. Installers do not have to wonder how the sleeve should be positioned when making connections. This eliminates failure risks and increases comfort and safety. The solid structure and high-quality plastic (PVDF) of the sliding sleeves guarantees a very high resistance to damage. These properties were tested by our specialists in severe conditions.

material	PPSU / brass
suitable for	plastic
connection	press / U & TH profile
dimensions	14 – 32 mm (DN10 – DN25)

optimised design

- sleeve connection technique and smooth fitting design, resulting in minimal flow disturbance and reduction in pressure loss.
- permanent and secure connection by using fittings without o-ring
- quick, simple and convenient installation, even in hard to access places
- up to 25% increased system hydraulics compared to the competitors
- the most flexible tube on the installation market
- suitable for embedding in concrete and cement screed
- fully compatible with other Aalberts ips systems

optimal flow characteristics

The combination of the sliding sleeve connection technique, using the process of expanding the tube end with a special expansion tool and the bevelled connector stubs on the fitting, minimises diameter narrowing of the connection. This ensures reduced flow disturbance and a significant reduction of local pressure drop.

cost-saving features

VSH UltraLine fittings and multilayer tubes are lightweight and flexible, making installation fast and easy which will reduce costs.

transition to other Aalberts integrated piping systems

Transitions to threaded, compression, press or other systems are also possible. The VSH UltraLine product range includes brass transition couplings for easy transition to other Aalberts integrated piping systems.

applications

potable water

The VSH UltraLine system is guaranteed to meet all relevant standards for potable water systems. VSH UltraLine has the required potable water approvals (Kiwa and DVGW).

heating and cooling

VSH UltraLine is ideal for heating and cooling applications. The compact fittings are manufactured according to strict standards and undergo stringent testing, which guarantees leak-tight fitting connections.

The sliding sleeve connection technique and the large inner diameter of the tube results in a large flow through the connections making VSH UltraLine suitable for low-temperature heating installations.

compressed air

VSH UltraLine tube is ideal for installing compressed air systems. The flexible piping ensures optimal installation at minimal cost. As VSH UltraLine is supplied without o-rings, using VSH UltraLine fittings in compressed air installations do not require compatibility or changing the o-ring.

underfloor heating

VSH UltraLine is suitable for embedding in concrete or cement screeds. The multi-layer tubes meet the highest standards and have a very high chemical resistance.



You can find detailed information on the practical application of VSH UltraLine in the technical manual or at www.aalberts-ips.eu/products/vsh-ultraline



potable water



heating



cooling



compressed air



quick installation with no need for tools

VSH Tectite is a high-quality package of copper, brass and stainless steel push fittings and accessories. Suitable for potable water, heating, cooling, compressed air and vacuum installations. Using VSH Tectite push fittings brings unique advantages, such as toolless assembly and installation in hard-to-reach areas. With VSH Tectite, you can be sure of professional, reliable installation.

fast and simple

VSH Tectite enables installers to connect pipes in no time in any situation. Simply slide the fitting onto the deburred tube to make a solid connection. You don't need any assembly tools.

removable and reusable

VSH Tectite Classic, Pro and 316 fittings can be disassembled and reused with a handy demounting ring or fork.

ideal in combination with prefab solutions

VSH Tectite provides suitable flexibility in every rigid piping system. You can easily connect your pre-assembled piping system with VSH Tectite. The fittings can be rotated in the tube after assembly. This allows you to adjust pipes at branches and bends.

material	copper / brass / stainless steel
suitable for	copper / carbon steel / stainless steel
connection	push
dimensions	10 - 54 mm (DN8 - DN50)

easy installation, time savings and problem-solver

- quick installation with no need for tools
- perfect installation in small and hard-to-reach spaces
- entirely tension-free installation: piping can be repositioned afterwards
- complete piping system in copper, brass and stainless steel
- fittings and valves from 10 to 54 mm
- demountable and non-demountable versions available
- fully compatible with other Aalberts ips systems

applications

potable water

With a VSH Tectite system, you can be confident of compliance with all applicable standards for open and closed water and potable water systems. All system components are available in copper, stainless steel and brass and are entirely corrosion resistant. VSH Tectite also carries the Kiwa approval.

heating and cooling

VSH Tectite is ideally suited for heating and cooling systems. It is manufactured to strict standards and subject to stringent tests, so you have a guaranteed leak-tight system. Inner edges are minimal, so the system has very low flow resistance and does not cause any additional noise in use.

compressed air

Compressed air systems must meet strict requirements in terms of moisture and oil content. VSH Tectite Sprint, Classic, Pro and 316 are all ideal for use in such systems. There is also a special range – VSH Tectite Air – available on request.



Detailed information on the practical applications of VSH Tectite can be found in the technical manual and at www.aalberts-ips.eu/products/vsh-tectite



potable water



heating



cooling



compressed air



vacuum

VSH Shurjoint



the perfect solution for connecting large sizes

VSH Shurjoint is a quality grooved piping system that makes it much easier to connect elements than with conventional joining techniques. It is less labour-intensive, safer and cleaner, and the connections are of a consistently high quality. Most importantly, it is much faster than welding and fitting, meaning that VSH Shurjoint significantly cuts down on installation time and saves money in the process.

material	ductile iron / stainless steel
suitable for	thick-walled steel / stainless steel / HDPE
connection	groove
dimensions	½" - 104" (DN15 - DN2600)

seamless connection to press systems

The wide range of transition couplings ensures a simple transition and connection. For example, the grooved/press transition coupling is perfect for easily connecting VSH Shurjoint to VSH XPress or VSH PowerPress® (for thick-walled steel pipe). This allows systems to be installed from 12 mm to 104".

a complete groove system including valves

VSH Shurjoint has proven itself in a wide range of applications for more than 40 years. The system is ideal for commercial and industrial applications. The range consists of more than 6,000 individual products, including couplings, fittings, flanges, valves and mechanical tees.

excellent in fire protection

Aalberts integrated piping systems has a product range specifically designed for the fire protection market. VSH Shurjoint is suitable for use in both wet and dry fire protection systems. The products comply with national and international approval standards.

the added value of VSH Shurjoint

- better job site safety - no welding required
- systems for steel, stainless steel, PVC and PE pipes
- very wide product range
- dimensions from ½" to 104" (DN15 - DN2600)
- design service, cost comparisons and thermal movement analysis
- demountable
- fully compatible with other Aalberts ips systems

new!

The VSH Shurjoint range has been expanded to include the F09 quick install coupling, especially developed for fire protection applications



applications

potable water

VSH Shurjoint offers a wide range of stainless steel products. The portfolio includes a specific E-PW gasket for potable water that can be recognised by its double green stripe. This gasket is suitable for both cold and hot potable water.

heating

VSH Shurjoint's large radial flexibility often eliminates the need for expansion joints. A full range of valves and accessories is available, including butterfly valves, ball valves, non-return valves, suction screens and strainers.

cooling

Many cooling installation manufacturers are already making their equipment with grooved connections instead of flanges. This underlines the fact that grooved technology is becoming the preferred connection method for large-scale cooling water systems.

compressed air

VSH Shurjoint products can be used for oil-based and oil-free compressed air systems. We offer both EPDM and nitrile seals depending on the application.

sprinkler

VSH Shurjoint products are widely used for sprinkler systems around the world. Our pre-lubricated gaskets make clean working possible and our products hold numerous approvals, including FM, UL, ULc, VdS and LPCB.

industrial applications:

- piping systems for abrasive media, slurry and wastewater
- tunneling projects
- high-pressure mine shaft pipes, such as mining and tunneling
- the VSH Shurjoint Ring Joint system is available for situations where grooving the piping system is difficult



Detailed information on the practical applications of VSH Shurjoint can be found in the technical manual and at www.aalberts-ips.eu/products/vsh-shurjoint



potable water



heating



cooling



compressed air



sprinkler

VSH Super



the most comprehensive compression fittings package

VSH Super is a complete package of fittings and valves suitable for a vast range of applications: from potable water, gas, heating and solar installations to compressed air systems. The VSH Super range includes compression fittings to connect to copper, steel and plastic pipes.

VSH Super compression fittings are designed to meet the needs of installers and provide maximum installation convenience. This includes dimensionally accurate spanner flats, so the spanner always remains in place during tightening. The special compression ring ensures an optimum seal. This delivers huge savings in labour costs, as there is no need for retightening. What's more, the high-quality finish of the fittings ensures smooth assembly with no juddering or creaking.

seamless combinations

The wide range of transition couplings allows for easy transitions to other systems. For example, it is easy to connect steel, copper or stainless steel tubes to plastic tubes with VSH Multi Super and other Aalberts ips systems.

valves

Aalberts integrated piping systems offers a wide range of valves with compression connections, making VSH Super ideal for installation into other Aalberts ips systems. VSH Super can be used in a wide range of installations and segments due to its numerous approvals.

the right solution is always available

- a broad selection for every application (metal and plastic)
- standard brass and DZR fittings from 6 to 54 mm
- available in plain, nickel-plated and chrome-plated versions
- a wide range of valves with compression connections
- designed for maximum installation convenience with wide, dimensionally accurate flats on nuts and bodies
- simple installation using standard tools
- quick connection technology allowing for reassembly
- smooth assembly (no juddering or creaking)
- a wide range of approvals including Kiwa and Gastec QA
- fully compatible with other Aalberts ips systems

applications

potable water

With VSH Super you can be confident of compliance with all applicable standards for potable water systems. Thanks to the use of a special brass alloy, much of the VSH Super range is Kiwa certified and can therefore be used in potable water pipes with no restrictions.

heating

VSH Super is the ideal solution for connecting central heating boilers or installing heating pipes. The fittings can be used without the need for special tools. It's no coincidence that virtually all central heating boilers in the Netherlands are connected with VSH Super compression fittings.

natural gas and hydrogen **H₂ ready**

VSH Super offers specific high-quality products for a wide variety of gas installations. From gas installations in the Netherlands, which must be Gastec QA certified, to special applications for Belgium, with VSH Super you always have the right solution to hand. VSH Super compression fittings are suitable for both gas and water. The VSH Super fittings with Gastec QA approval are also suitable for hydrogen (H₂ ready)

solar

VSH Super fittings can withstand very high temperatures, making them ideal for use in solar installations.

compressed air

VSH Super fittings are suitable for use in compressed air installations. This can be done in combination with galvanised steel, stainless steel and copper tubes. The VSH Super technical manual contains the exact guidelines.



Detailed information on the practical applications of VSH Super can be found in the technical manual and at www.aalberts-ips.eu/products/vsh-super



potable water



heating



natural gas



solar



compressed air

balancing valves

The Apollo® ProFlow product line consists of a renowned series of static and dynamic balancing valves with actuators and a balancing computer. The dynamic PICV valve is a real time-saver with the combined flush, isolation and balancing features. Together with the static balancing valves they form a complete range of balancing valves, saving time and money and reducing failure costs significantly. The Apollo® ProFlow balancing computer can measure static pressure, differential pressure and calculates the flow in a hydraulic system.

Apollo® ProFlow 1260

The 1260 static balancing valves are easy to use and highly accurate, saving time due to their fixed orifice flow measuring. They are available in dimensions DN15 up to DN50 with threaded or press connections.

Apollo® ProFlow 1600

The 1600 PICV dynamic balancing valves are real time-savers with the unique combination of flush, isolation and balancing features. These combined features result in time savings of up to 70% compared to alternatives in the market and have a significant impact on reduction of failure costs which can occur in cartridge mix-up and/or contamination. The 1600 PICV is available in DN15 up to DN25 with threaded and press connections.

Apollo® ProFlow V955

The flanged V955 series static balancing valves, form a complete range of balancing valves in DN65 up to DN300, saving time due to their fixed orifice flow measuring.

material	brass / ductile iron
suitable for	carbon steel / stainless steel / copper / plastic
connection	threaded / press / flange
dimensions	DN15 - DN300

balancing valves key features

- compact, economic and fast
- reducing failure costs
- innovative concept of combining clever features in a single compact housing
- available with female threaded or equipped with factory-mounted press adapters (Apollo® ProFlow 1260 and 1600 series). Apollo® ProFlow V955 are equipped with flange connectors.
- availability of balancing computer with dedicated app for measuring and commissioning
- fully compatible with other Aalberts ips systems

Apollo® ProFlow balancing computer



The Apollo® ProFlow balancing computer is designed for commissioning of heating and cooling systems, capable of measuring static pressure, differential pressure and calculating the flow in the system.

Operation of the device is done using a mobile device app which is available as a free download for both Android and iOS devices by searching for the Apollo® ProFlow balancing computer app. The application displays the current pressure and flow on the valve and allows corrections to be made for different system fluids.

applications

The Apollo® ProFlow balancing valves are suitable to be used in heating and cooling systems in commercial and residential buildings, perfect for new and refurbished systems.

heating and cooling

Apollo® ProFlow is the perfect solution for heating and cooling systems. By using Apollo® ProFlow, you are always able to design and install a heating or cooling system that achieves maximum comfort with minimum consumption. The combination with the other solutions of Aalberts integrated piping systems offers unlimited possibilities.



You can find detailed information on the practical application of Apollo® ProFlow in the technical manual or at www.aalberts-ips.eu/products/apollo-proflow



heating



cooling



valves for potable water and gas installations

Seppelfricke is an extensive range of valves for potable water and gas installations. The range includes a variety of shut-off valves, safety valves, and gas valves (from the main shut-off valve to the gas socket and appliance connection). Seppelfricke also provides a range of sanitary valves like the renowned SEPP Eis frostresistant garden tap.

Seppelfricke valves are provided with traditional threaded connections or combined VSH SudoPress and VSH XPress connections. The range includes a large number of dimensions (DN8-DN50) and various valve designs (with rising stem or non-rising stem, with or without drain valve). Seppelfricke valves are made from brass alloys which meet all requirements and standards for potable water and gas installations.

quality and availability

The proven, high production quality of the Seppelfricke range is ensured by modern, automated production facilities and guaranteed by constant self-monitoring and regular checks by independent testing institutes.

valves

Seppelfricke valves equipped with press adapters can be installed quick, easy and clean and have all the relevant certificates. Due to the availability of a wide range, Seppelfricke valves can be seamlessly installed in any Aalberts integrated piping system.

material	brass
suitable for	steel / carbon steel / stainless steel / copper
connection	press (V & M profile) / threaded
dimensions	10 - 54 mm (DN8 - DN50)

Seppelfricke key features

- extensive range of valves for potable water, heating, cooling and gas installations
- available in brass and high corrosion resistant brass
- available with threaded connections or equipped with factory-mounted VSH XPress or VSH SudoPress adapters
- as part of Aalberts integrated piping systems, Seppelfricke valves offer a wide range of installation options from a single source.
- fully compatible with other Aalberts ips systems

applications

potable water

With Seppelfricke valves, you can be confident of compliance with all applicable standards for open and closed water and potable water systems.

heating and cooling

Seppelfricke valves are an excellent solution for heating and cooling systems. The valves undergo the most stringent tests during the production process and are absolutely leak-proof. Thanks to their design and the production process, the valves have smooth interior profiles which results in low flow resistance.

natural gas

The Seppelfricke product range includes specific high-quality products for a wide variety of gas systems. They are available in brass and certified by DVGW. Seppelfricke Gas valves are easily recognisable by their yellow coloured product details.



More information and documentation for
Seppelfricke valves can be found at
www.aalberts-ips.de/products/seppelfricke



potable water



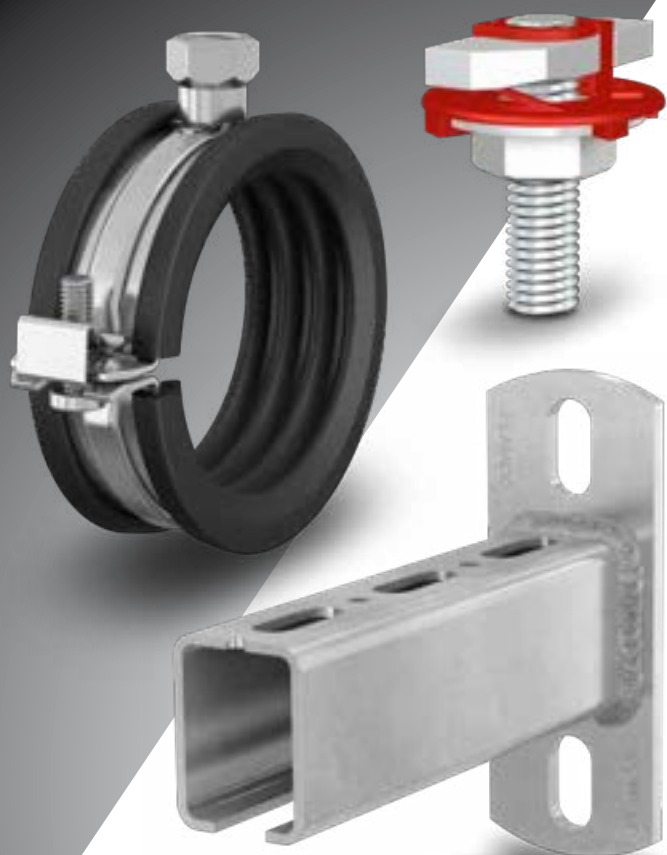
heating



cooling



natural gas



a complete range of mounting materials

Whether you need pipe supports for a wall, ceiling or floor mounting, we have the solution. As a provider of high-quality, innovative, and easy-to-use products, we offer a wide range of pipe supports for different applications and materials. With or without soundproofing or insulation, from the smallest to the largest tube. IPS Fastening systems ensure that you can mount any pipe efficiently and professionally.

The IPS Fastening system product range consists of a wide variety of clips, hangers, rail and fastening products in carbon and stainless steel with different finishes and supporting materials. Every product is designed for durability and compatibility, so it will seamlessly fit your installation.

We understand that every installation is unique, and therefore the IPS Fastening range offers a solid base with flexibility and versatility. Our website, catalogues, and manuals will support you in selecting the right products, offering product descriptions, technical specifications, and practical advice.

IPS Fastening products are manufactured using unique, modern machinery. Our completely automated factories guarantee safe and high-quality products.

material	carbon steel / stainless steel / copper
suitable for	all types of piping systems
connection	¼" - 16"
options	with or without sound-absorbing insert & thermal insulation

IPS Fastening main features

- a wide range of specialised clips and hangers
- fastening rail for the fast and efficient securing of multiple pipes
- rail calculation tool and selection table that can be found at www.aalberts-ips.co.uk
- ClickConnect: rail construction without additional bolts, washers or nuts
- ClickFit and ClickEasy sliding nuts that make the pipe fastening easier than ever
- in galvanised steel, stainless steel and hot-dip galvanised steel

applications



Heating. A wide range of brackets, with and without inlay, for various types of steel and plastic pipes for heating systems.

Cooling. Brackets are provided with a special thermal insulation insert that prevents condensation through the use of vapour-tight insulation without a thermal bridge to the bracket.

Potable water. Brackets in copper or with a rubber inlay for drinking water pipes made of copper, multilayer.

Sprinkler/fire protection. Special brackets with FM and UL approval.



disclaimer:

The technical data are non-binding and do not reflect the warranted characteristics of the products. They are subject to change. Please consult our General Terms and Conditions. Additional information is available upon request. It is the designer's responsibility to select products suitable for the intended purpose and to ensure that pressure ratings and performance data are not exceeded. The installation instructions should always be read and followed. The system must always be depressurized and drained before any components, whether defective or otherwise, are removed, modified or corrected.

more information?

For a complete and up-to-date product range and our additional services, visit: www.aalberts-ips.eu

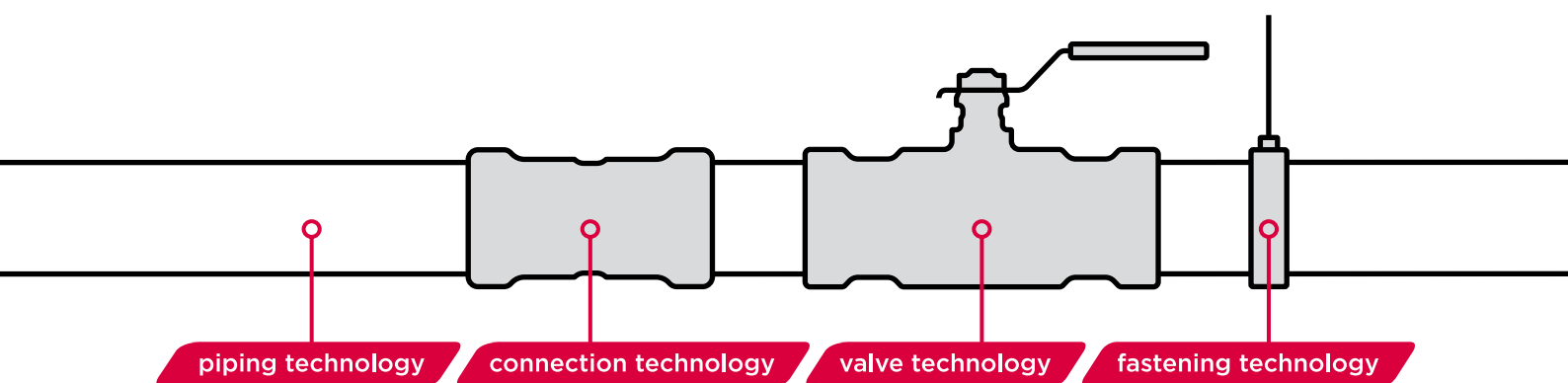
Would you like to make an appointment to meet an account manager in your region or receive advice and support from one of our experts?

Please contact:

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