

VSH Tectite flexible metal system



don't just buy products, buy solutions.

Aalberts integrated piping systems

pipng technology

connection

our internationally
strong brands and technologies

Aalberts integrated piping systems does not simply focus on only one technology within the system, but applies different technologies for different applications. All these technologies employ strong brands and together they constitute what we call our integrated piping systems. Our systems are easy to specify, install and maintain.

Aalberts integrated piping systems develops and produces connectors, metal and plastic pipes, valves, and fastening technology for the distribution and control of liquids and gases. Our technologies enable customers to work quickly and reliably in a simple and efficient way.

integrated piping systems

These bespoke systems are applicable for key vertical markets such as residential, commercial, industrial and utility. Our complete range of integrated piping systems and fittings is always available through a wide range of various distribution channels. Furthermore, our own engineers are always developing our existing systems and services to the next level, as well as the design of completely new and innovative solutions.

This is how Aalberts integrated piping systems enables its customers to make every project a success.

global footprint with a local presence

We are part of Aalberts, a globally operating technology group and currently active at 30 locations in 14 countries, offering the broadest and most advanced portfolio. At Aalberts integrated piping systems, we combine an overall technical expertise, global knowledge exchange, and the continuous drive to innovate within our group, with our knowledge of local markets

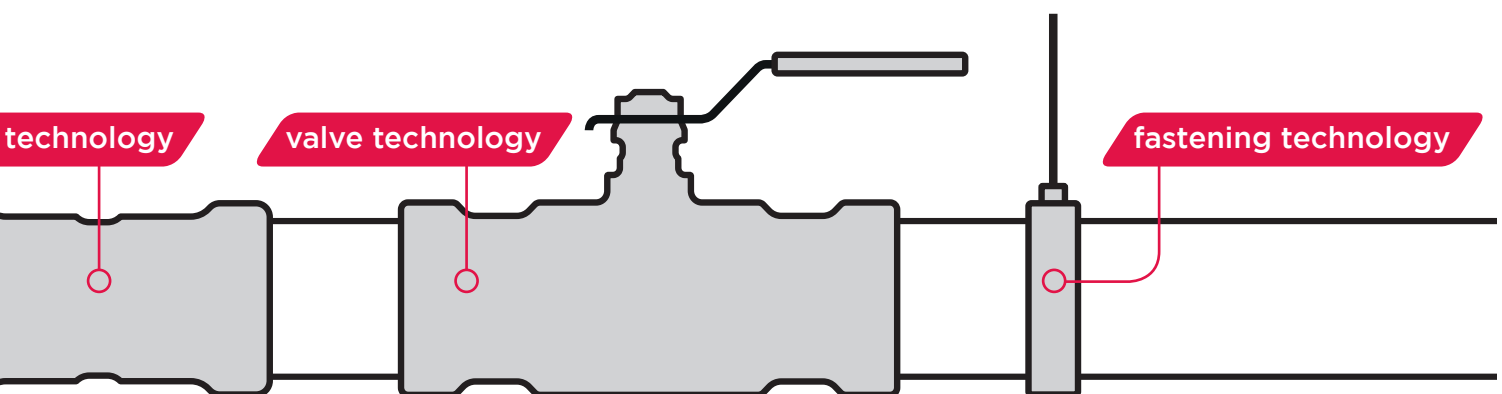
and involvement in our customers' business. We offer them advice, Design Service and complete customised solutions from the design phase right through to delivery and aftercare, via our Aalberts integrated piping systems design service®.

We take away all our customers worries and concerns and offer them a complete integrated piping solution, each and every time.

exceeding expectations

At Aalberts integrated piping systems we not only invest in our customers, but also in our own employees. Because we realise that they are the heart of our company. With passion, teamwork, ownership and diversity, we have the ability to think 'out-of-the-box'. This means that we define answers on challenging market demands and invent a range of appropriate solutions. Our people are also constantly focused on achieving optimum performances and continuous innovation.

It is this dedication that enables us to exceed both ourselves and our customers' expectations.



• valve technology

Thanks to the internationally renowned brands Apollo and Pegler, Aalberts integrated piping systems can offer the best valves for a wide range of market segments. Naturally these valves are high quality and distributed worldwide.

• connection technology

With the high-quality solutions from VSH, Aalberts integrated piping systems is a market leader in connection technology. The wide range of solutions is suitable for numerous applications in residential, commercial and industrial buildings, general industrial usage, fire protection and shipbuilding.

• piping technology

Piping technology includes a complete range of carbon steel, stainless steel and plastic tubes in sizes ranging from 12 mm to 108 mm.

• fastening technology

Smart hangers for the optimal arrangement of the integrated piping systems

Pegler

Pegler provides the best solutions for integrated piping systems. This term encompasses a range of product lines for connection technology and valve technology which, together with our design service, offer the ultimate solution for top-quality integrated piping systems.



material	carbon steel
suitable for	thick walled steel
connection	press / DW-profile
dimensions	1/2" - 2" (DN15 - DN50)



material	ductile iron / stainless steel
suitable for	thick walled steel / stainless steel / HDPE
connection	groove
dimensions	1/2" - 104" (DN15 - DN2600)

the strength of Pegler

- the perfect solution for every project
- smart, fast and efficient installation
- Aalberts integrated piping systems design service
- valuable advice from the drawing board to delivery
- a very wide product range
- warranty plus
- all products are BIM now

The integrated piping systems stand out due to their high and consistent quality, and quick and simple installation and maintenance. Pegler offers the widest, most comprehensive range of reliable press, compression, groove and push systems - including fittings for thick-walled and thin-walled metal and plastic tubes.

Aalberts integrated piping systems design service®
Pegler is a fully customer-focused sales and service organisation with experts who are committed to product development, service and customer support every single day. This means that from day one at the digital drawing board, you will receive professional advice on customised total solutions while being able to rely on optimum availability and reliable support both during and after delivery. Our engineers have access to all Aalberts integrated piping systems products and can therefore always find the best solution which is fully customised to your needs.



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



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



material	brass / stainless steel / copper
suitable for	thin walled stainless steel / copper / carbon steel / PEX, PB and Multilayer tube
connection	push
dimensions	10 – 54 mm (DN8 – DN50)

Pegler valve technology

Pegler is well known and respected as one of the leading manufacturers of advanced plumbing, heating and engineering products in the world. It's a reputation earned through a total dedication to quality, innovation and customer service that's been the hallmark of the company since it was established in the 1890's (originally trading as Pegler Ltd and Yorkshire Fittings Ltd).

Our success has been derived from a commitment to a philosophy based on quality, service, investment, competitiveness and innovation. Energy and water conservation is very much at the forefront of our product development.

Pegler's unique integrated piping system brings together valves, fitting and pipes in one complete pipe-work system, with an emphasis on delivering heat free jointing.

Integrated piping system combines the best elements of modern connection and valve technology, with international quality approvals and cost effective solutions for every project.

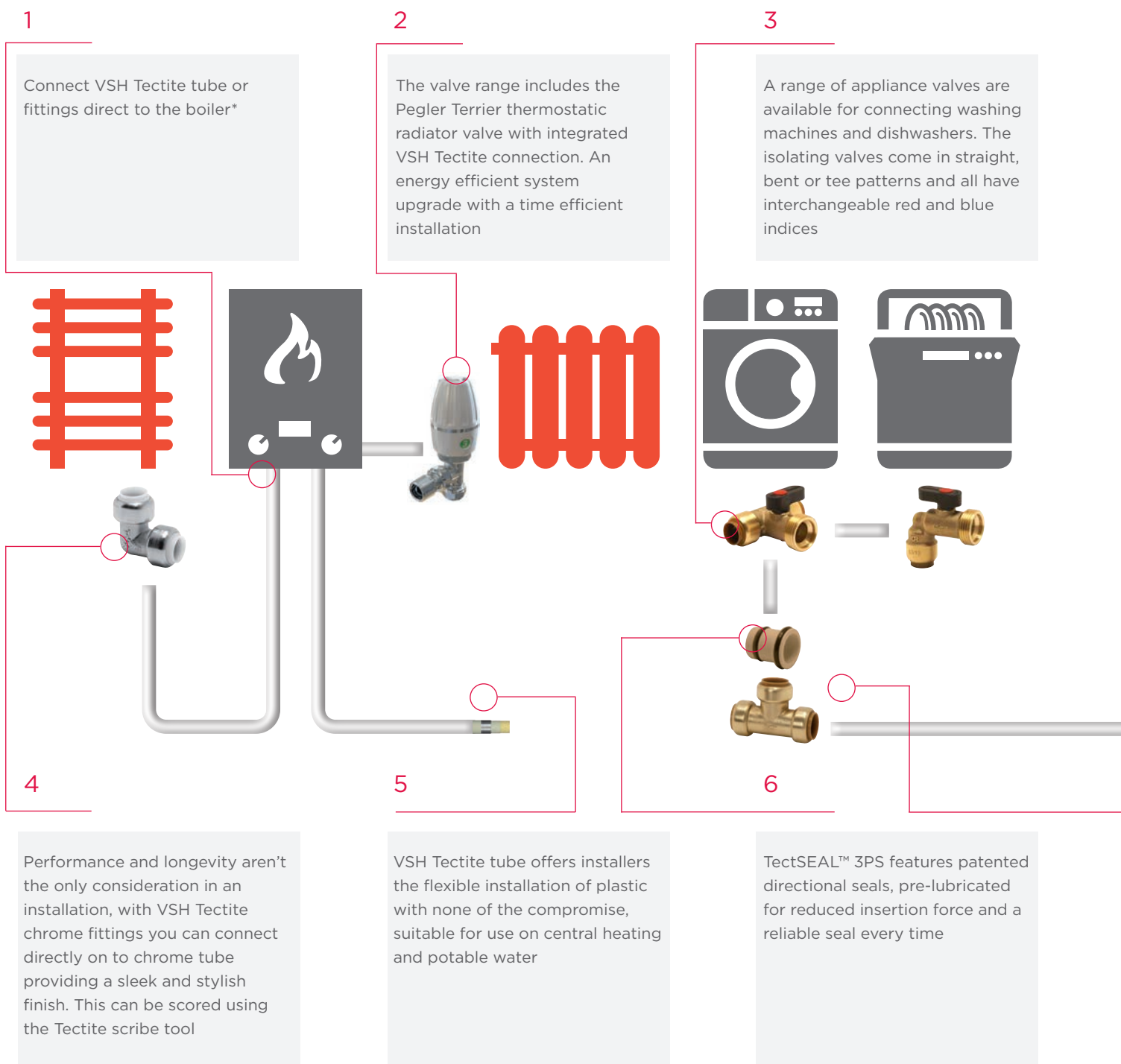
As a business partner to some of the world's best known plumbing and heating suppliers, our unrivalled list of market leading product brands include Yorkshire integral solder ring fittings, Pegler Terrier radiator valves, VSH Tectite push-fit fittings, VSH PowerPress® products, VSH Shurjoint solutions, the VSH XPress press-fit system, Pegler valves, Prestex general brassware, Endex end feed and Kuterlite compression fittings.

don't just buy products,
buy solutions.

VSH Tectite flexible metal system

Every customer relies on you to do a good job, quickly, cleanly, cost-effectively and with no unexpected problems. You need to be sure that whatever you recommend and install today won't cause problems for you or your customers in the future. Your reputation depends on it.

VSH Tectite metal push-fit system, offers you the next evolution in domestic plumbing. At Pegler we believe in the efficiency and swift installation offered by a flexible plumbing solution, combined with the performance and reliability offered by traditional metal systems.



* Due to the VSH Tectite tube's metal construction and advanced TectSEAL™ 3PS there is no need for 1m of copper in some applications, connection is possible to a range of new boilers, consult the VSH Tectite website for more guidance. Always refer to your boiler manufacturers installation instructions.

Not suitable for gas.

advantages of the VSH Tectite flexible metal

- reduces the number of fittings used by up to 40%
- operating maximum of 6 bar at 95°C and 16 bar at 30°C
- 8x less expansion than plastic systems
- no sagging under temperature due to metal construction
- rodent resistant metal construction
- mould into the tightest bends by hand
- clip only once per metre

Plastic bending radius is 8x external diameter

VSH Tectite bending radius is **4X** external diameter



7

Thermostatic mixing valves (TMV's) provide protection for users, preventing scolds and thermal shock related accidents

8

From tees to tap connectors, the VSH Tectite range includes all of the fittings you need to install a high quality system

9

Double check valves prevent backflow within systems to avoid the risk of contamination from outside sources

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11

12

The VSH Tectite classic fitting provides the performance and reliability only metal can, an array of features ensure you leave the job today knowing it won't cause you problems tomorrow

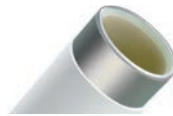
The VSH Tectite system draws on over 100 years of Pegler experience, with a range of metal push-fit valves designed for performance and longevity

Anti-rotational clips are available for use with selected VSH Tectite valves, should you wish to secure the valve, preventing them rotating on the pipe work

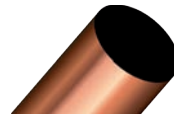
VSH Tectite Classic

The VSH Tectite Classic offers all the performance and integrity of metal, with the installation benefits of push-fit. Demountable, slim profile and compatible with all domestic tube materials, it's the only fitting you need to carry.

COMPATIBLE WITH:
TECTITE TUBE



COPPER



PEX/PB



o-ring

the pre-lubricated EPDM o-ring provides the water tight seal between the tube and fitting

grab ring

the high performance stainless steel grab ring provides a mechanical grip on a variety of tube materials, the grip first design prevents full bore failure once engaged



metal body

the DZR brass body provides a stiff, strong and reliable joint

demountable

VSH Tectite classic fittings are fully demountable, enabling system alterations, servicing or repairs. The polymer collar should be depressed using the VSH Tectite demounting clip or tongs



step 1

cut

Cut the VSH Tectite tube with a hand tool. Use good quality cutters, ensuring the blade is sharp and the cut is square. Make sure the tube is clean and free from damage



step 2

calibrate

Use the VSH Tectite calibrating tools to provide a clean, square pipe and with chamfered edges. Calibration re-rounds the tube after cutting to prepare it for the TectSEAL and for push-fit jointing



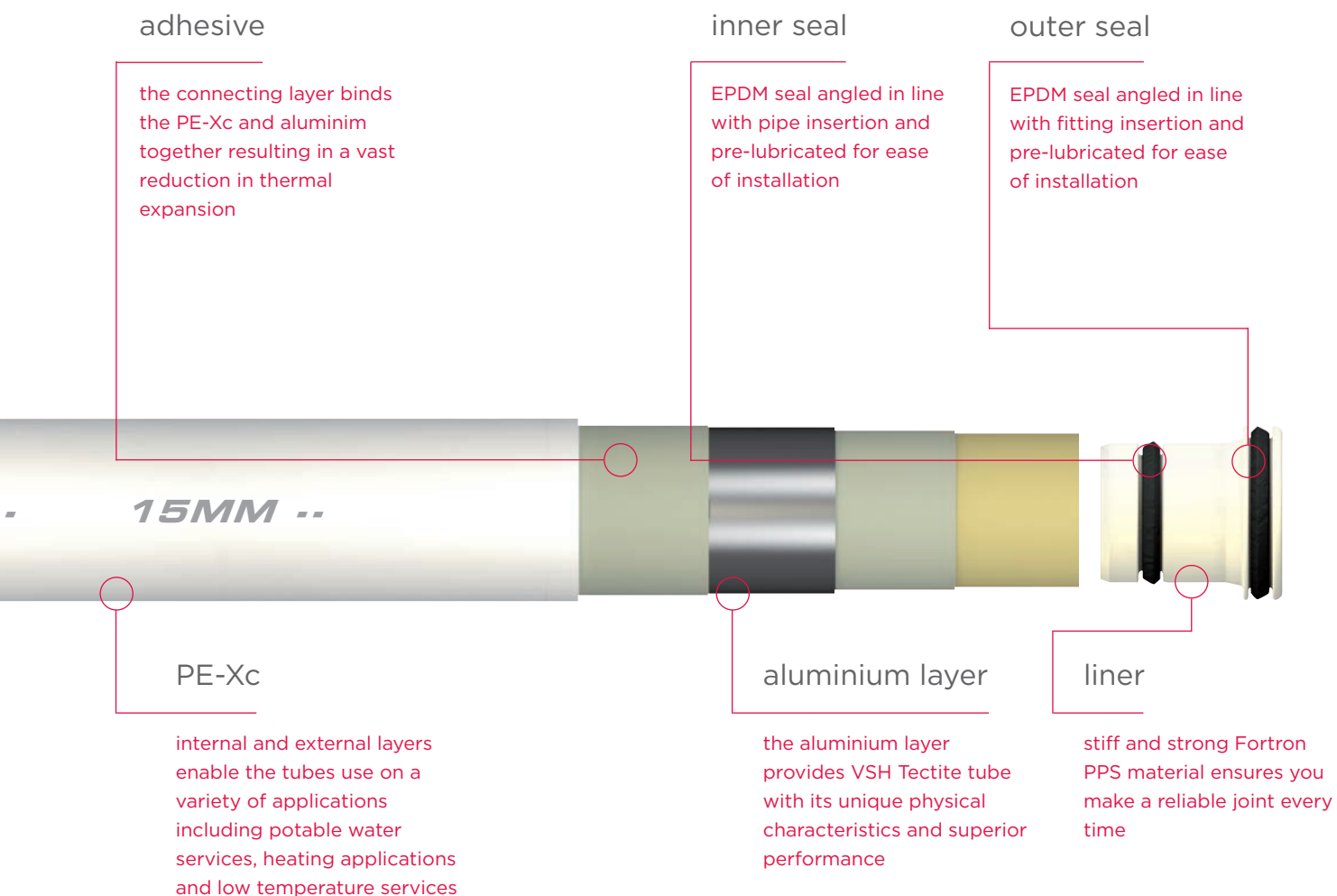
step 3

insert

Push the TectSEAL 3PS into the tube until the flange meets the chamfered end. TectSEAL 3PS are pre-lubricated. Make sure all swarf is removed from the tube before fitting TectSEAL

VSH Tectite tube TecSeal™ 3PS

VSH Tectite tube is manufactured with an integral aluminium layer providing unrivalled performance and a truly efficient installation. The metal element of the construction enables the pipe to retain the shape you manipulate it to, whether a 90° bend or a tight offset, VSH Tectite tube offers exceptional installation benefits. Combined with VSH Tectite demountable brass fittings, the system is like nothing else on your merchant shelves.



Only suitable for use with VSH Tectite demountable fittings and TectSEAL™ 3PS



step 4

measure

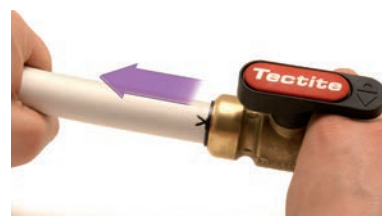
Mark the insertion depth clearly on the tube. Using a line and a A aids visibility after insertion. VSH Tectite calibration tools and VSH Tectite debur, mark and scribe tools can also help with insertion depth marking



step 5

connect

Push the tube firmly into the fitting until the insertion depth mark reaches the demounting collar. Pushing with a twist will ease insertion



step 6

check

Pull back on the pipe to check the joint is secure. VSH Tectite fittings allow the tube to rotate after jointing

Our extended range of valves

Pegler has in excess of 100 years' experience in plumbing manufacture and that expertise has informed the development of VSH Tectite valves. Designed and manufactured for high performance and longevity coupled with the efficient installation you expect from VSH Tectite.



Unique chrome system



Extensive fittings range



Full compliment of tools



The VSH Tectite range

VSH Tectite Sprint

A slim-line, non-demountable copper fitting offering superb value and extremely high performance. Suitable for use with copper, PB and Pex. This is available in sizes up to 54mm. (please note VSH Tectite Sprint is not suitable for VSH Tectite tube).



VSH Tectite Classic

Fully demountable DZR brass fitting offering 95°C maximum temperature and operating pressures up to 16 bar in sizes from 10mm to 28mm. This fitting is compatible with every domestic tube material on the market, including VSH Tectite flexible metal tube. You really don't need to carry anything else.



VSH Tectite Pro

Fully demountable DZR brass fitting compatible with everything from Stainless Steel to PEX. Offering electrical continuity as part of a metal system and sizes up to 54mm. Operating pressures of 20 bar and a maximum temperature of 114°C ensure this range can handle even the toughest commercial specifications.



VSH Tectite 316

Manufactured from Stainless Steel and offering all the features of VSH Tectite Pro, 316 offers a metal push-fit solution for applications where water hygiene is the primary concern.



Pegler

The VSH Tectite range draws heavily on Pegler's extensive experience in the plumbing industry. The 100 year heritage of both Pegler and Yorkshire Fittings can be seen in the quality and performance inherent to all VSH Tectite fittings, tube and valves.

Pegler is well known and respected as one of the leading manufacturers of advanced plumbing, heating and engineering solutions. It's a reputation earned through a dedication to quality, innovation and customer service that's been the hallmark of the company since it was established in the 1890's (originally trading as Pegler Ltd and Yorkshire Fittings Ltd).

Pegler's success has been derived from our commitment to a philosophy based on quality, service, investment, and innovation. This successful recipe has produced Pegler's current product portfolio including VSH Tectite that continues to go from strength to strength with product development playing a vital role in company strategy and reflecting the markets changing needs.

Our fully integrated piping systems incorporates a unique offering bringing together valves, fittings and pipes into one complete pipe-work system. It combines the best world-class elements of modern connection and valve technology, incorporating press, push, groove, compression, capillary and threaded solutions for copper, steel, multilayer and plastic pipes, with an emphasis on delivering heat free jointing.

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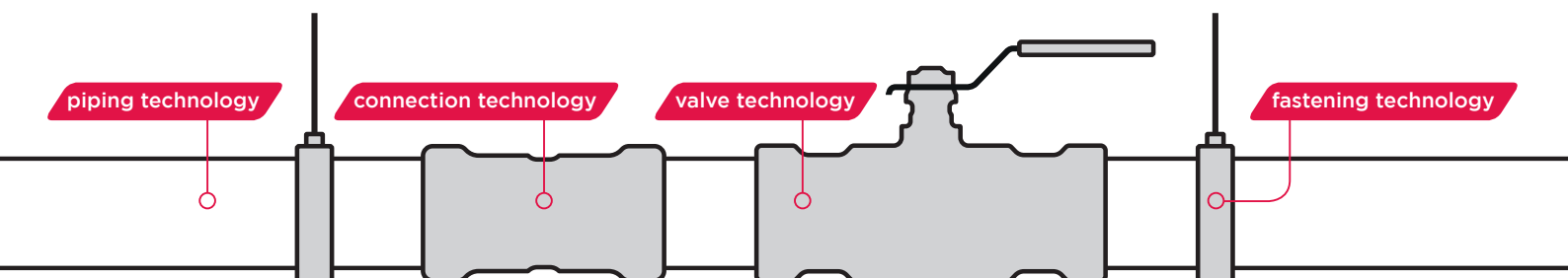
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