



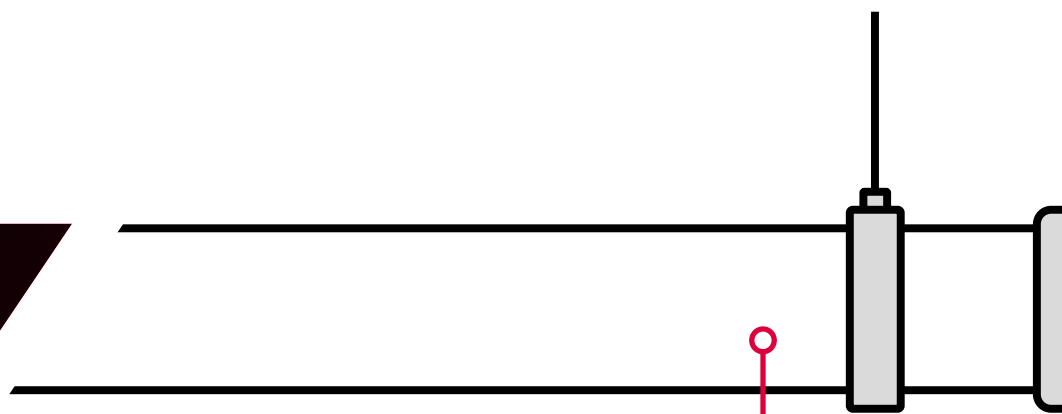
integrated
piping systems

Apollo ProFlow



Aalberts integrated piping systems

don't just buy
products,
buy solutions.



piping 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 the unique Aips 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 being sketched out on the digital drawing board, you can get advice on complete and tailored solutions. With the Aips 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, United Kingdom, Middle East, Asia Pacific and Europe. 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. They 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.

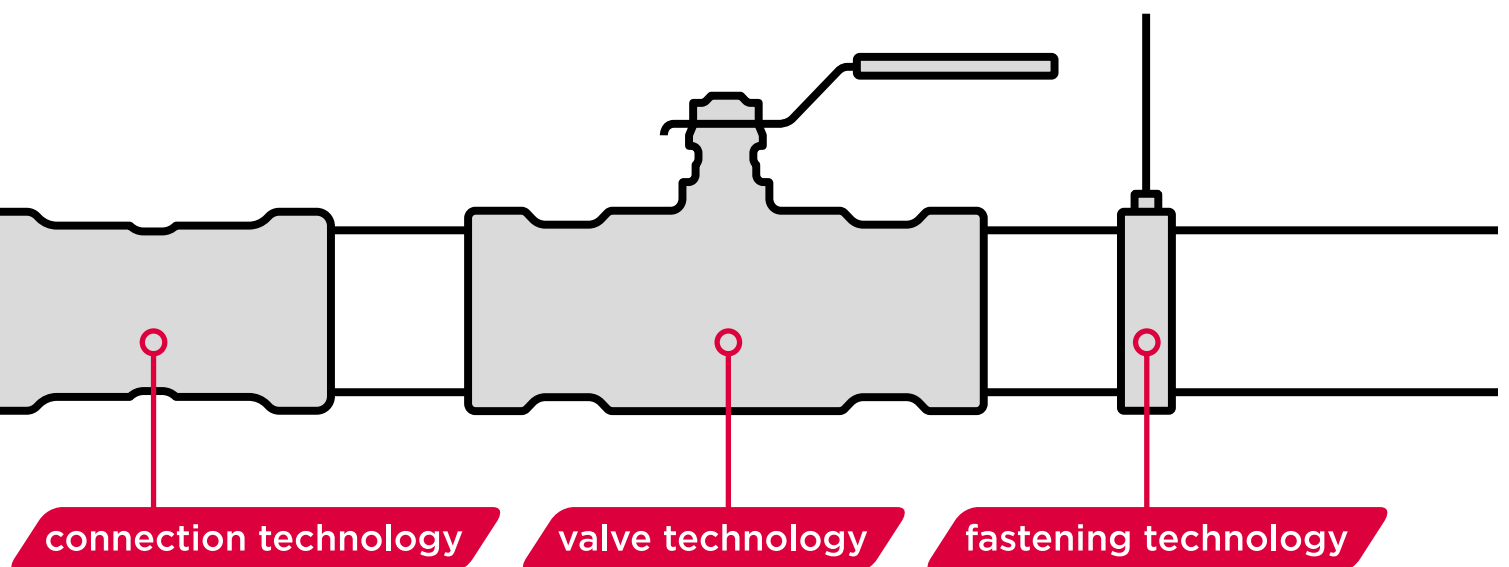
Good is never good enough.

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



For more information about Aalberts integrated piping systems worldwide, go to www.aalberts-ips.com

Aalberts integrated piping systems connect: 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. The individual brands are well-known and each represents a long history. 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

VSH SudoPress



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

VSH MultiPress



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

Aalberts integrated piping systems range

We offer a series of 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



VSH PowerPress®



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

VSH Shurjoint



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

VSH XPress



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

VSH Super



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

VSH Tectite



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

Apollo ProFlow



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

Apollo ProFlow 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 balancing valves are easy to use and highly accurate, saving time due to their static 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.



Apollo
ProFlow 1260



Apollo ProFlow 1600



Apollo ProFlow V955

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.



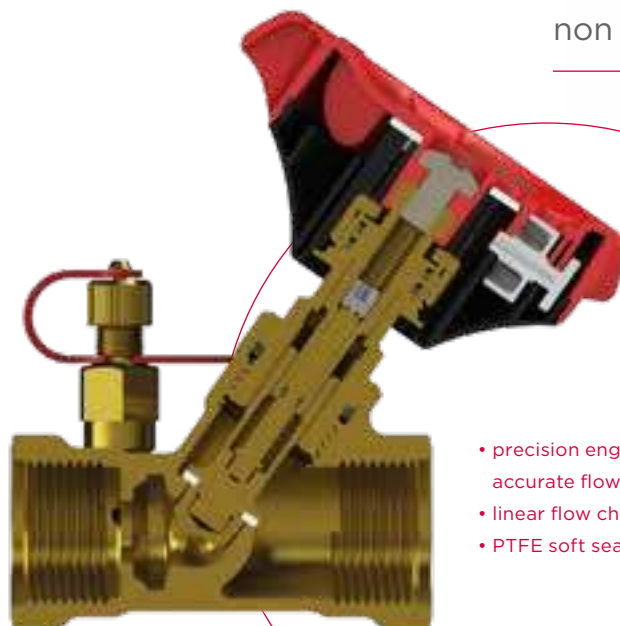
Apollo ProFlow static balancing valve



isolation and
balancing settings,
memory stop



non rising stem



- precision engineering provides accurate flow control
- linear flow characteristic
- PTFE soft seat gives a full shut off

integrated technology

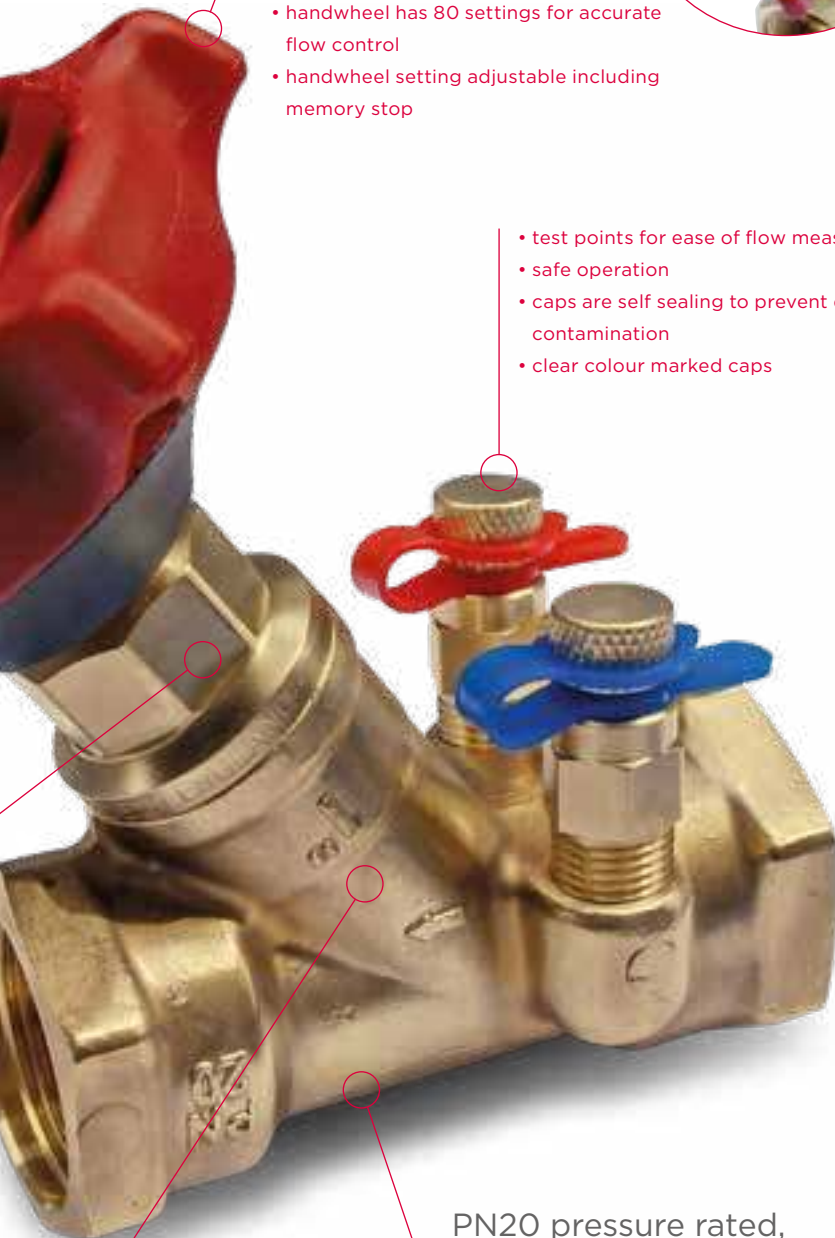
- female threaded connections
- factory-mounted VSH XPress and VSH PowerPress® connections
- flanged connections

robust, easy turn handle

- clear visibility of the settings
- easy grip handwheel for easy operation
- handwheel has 80 settings for accurate flow control
- handwheel setting adjustable including memory stop



- test points for ease of flow measurement
- safe operation
- caps are self sealing to prevent debris/dust contamination
- clear colour marked caps



PN20 pressure rated,
CW511 DZR brass



Apollo ProFlow 1260
female threaded connection



Apollo ProFlow PS1260
VSH XPress connection



Apollo ProFlow PP1260
VSH PowerPress® connection



Apollo ProFlow V955
flanged connection

Apollo ProFlow dynamic

The revolutionary new Pressure Independent Control Valve (PICV), the Apollo ProFlow 1600, is designed to eliminate existing PICV heating and cooling system issues, saving significant time and money.

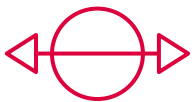
Apollo ProFlow PICV's are supplied in bypass configuration. Valves can be installed and flushed (forward and backward) at full bore prior to commissioning with the PICV mechanism safely out of the way.

Once the system is clean and ready to commission a **simple rotation** of the Apollo ProFlow PICV head introduces the valve into the flow, and rotates the bypass out of the way.

supplied in...

a simple rotation

bypass mode



- flushing bypass prevents debris contamination of cartridge prior to dynamic mode
- full bore flush and backflush for efficient system cleaning/flushing
- less time spent preparing valve for flushing
- enables hot-swap/cartridges are simple to exchange whilst in service, if required



isolation mode



- can be used as an isolation valve, eliminating the requirement for inline ball valves
- ensures cartridge setting is retained



easier operation by design

balancing valve

faster commissioning

fast flush technology

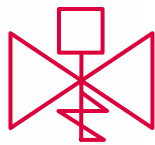
no contamination issues

introduces...

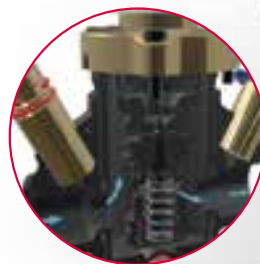
fully closed and ready for...

colour coded cartridge:
white low flow
red standard flow
black high flow

dynamic mode



- visible setting indication with actuator fitted
- ensures removal of debris within the product to support pressures of commissioning times
- prevents cartridge mixup



dynamic mode
water flow

pin removal allows
head rotation



key benefits for the installer

- less prone to cartridge contamination and mix-up issues
- ensures bypass/flushing have been actioned to prevent future issues
- utilise as isolating valve, no need for ball valve inline
- less time removing cartridges for flushing
- ensures removal of debris within the valve
- faster installation due to female threaded or VSH XPress connections

actuator

function modes shown on shuttle

test point connection for balancing computer

water flow direction indicators

full bore flush and backflush

up to 70%

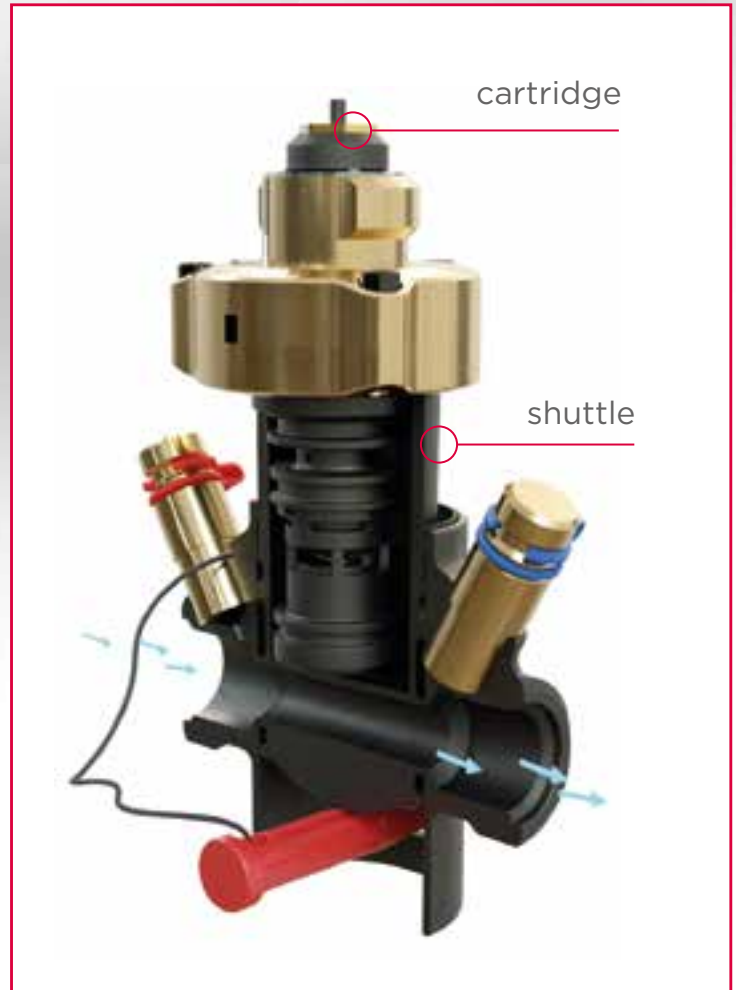
key benefits during commissioning

- minimises cartridge mix-up on site
- setting memory in isolation/bypass mode
- visible setting indication even with actuator fitted
- supports pressure of commissioning timescales
- measures differential pressure
- dedicated app for measuring



clear indication of settings with actuator installed

locking pin secures valve in bypass or dynamic mode



time savings

Apollo ProFlow, an unprecedented range of 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.

- compact, economic and fast
- reducing failure costs
- innovative concept of combining clever features in a single compact housing
- part of Aalberts integrated piping systems portfolio: female threaded or equipped with factory-mounted press adapters.

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



heating



cooling

excellent in residential, commercial and industrial buildings

A complete solution for balancing and commissioning of heating and cooling installations. The Apollo ProFlow valves are available in static and dynamic versions provided with threaded, flanged or press connections. With the Apollo ProFlow 1600, Aalberts integrated piping systems has devised a revolutionary solution by combining bypass, isolation and dynamic mode functions in one valve, a truly unique solution!

Apollo ProFlow
can also be used

- industry

more information?

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

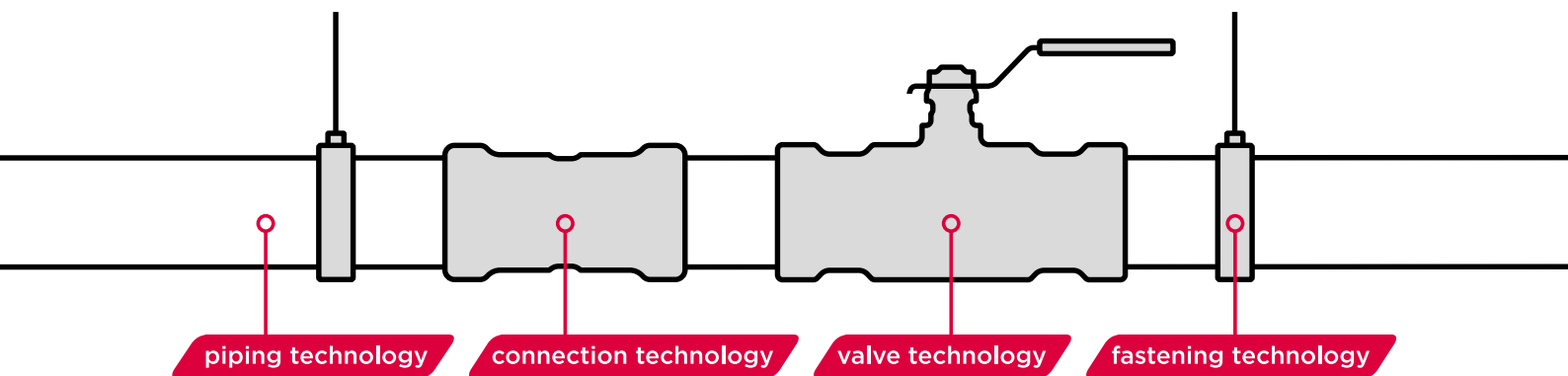
Would you like to make an appointment to meet an account manager in your region or receive advice and support from one of our experts?

Please contact:

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