



Angle valves. By SCHELL.

SCHELL.

500 million angle valves installed "Made in Germany".



Plant 1
Production with administration building and training centre



Plant 2
Production with logistics centre



**Choose the Original
Choose Success!**

SCHELL supports and promotes original technology, and opposes the infringement of intellectual property rights.



Europe's number one.

As a leading angle valve specialist, SCHELL is constantly launching new innovations on the market or adapting its products to accommodate changing requirements.

SCHELL sanitary fittings are developed according to the concept of functional aesthetics. This not only produces superior workmanship but also drives an individual, integrated design model that goes beyond the individual product itself.

Design angle valves, draw-off taps, shower fittings, WC and urinal flush systems: SCHELL sanitary fittings feature a timeless design, can be easily combined together and have received numerous awards.

Come discover everything that our products have to offer. And if you have any questions about our angle valves – just give us a call. We will be more than happy to help you.

Phone +49 2761 892-0

www.schell.eu

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EDITION designer angle valve set

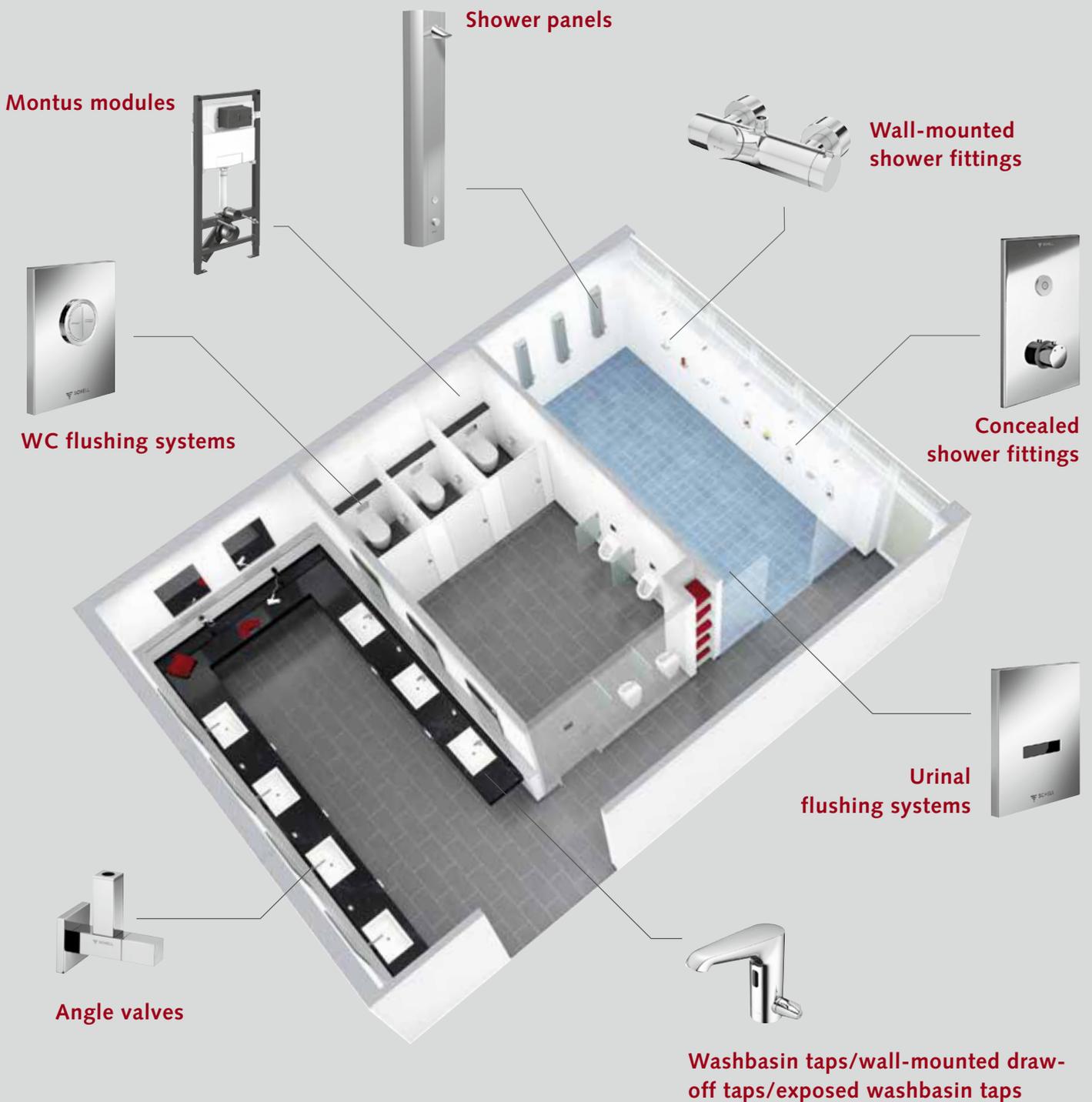


Thermostat angle valve

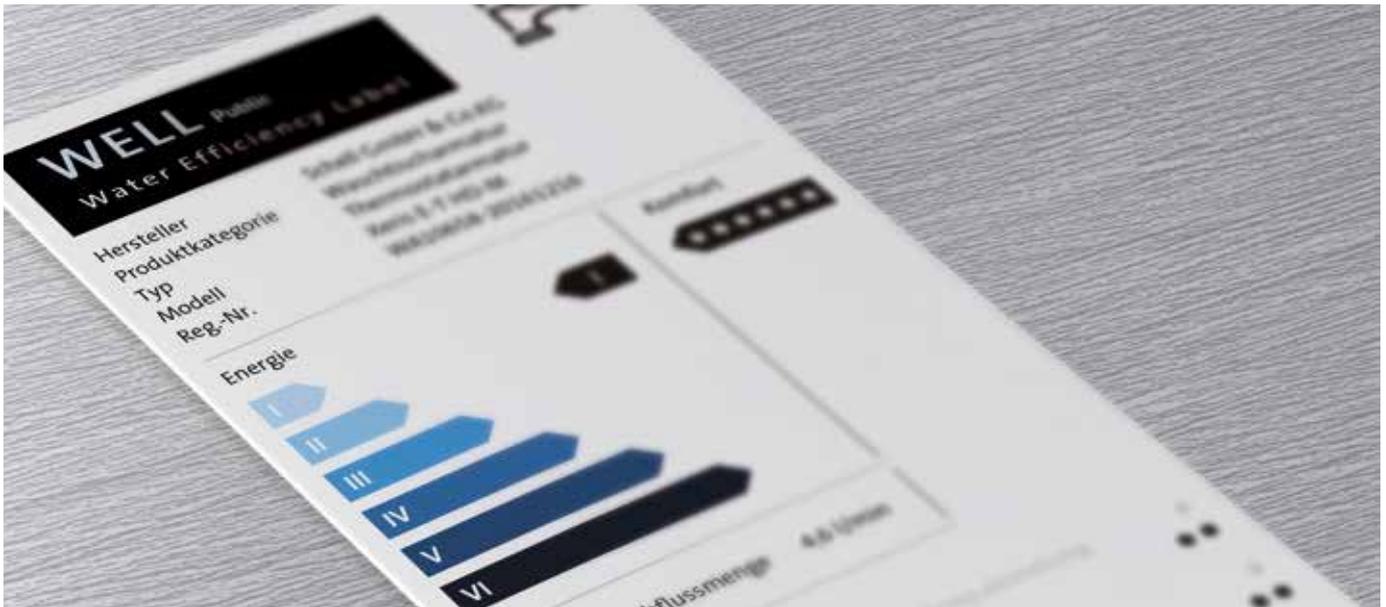
SCHELL *inside.*

Schell supplies robust, hygienic and resource-efficient solutions wherever they are needed – such as in public, semi-public and commercial sanitary facilities. Just some of the places where our solutions are found worldwide include:

- Schools
- Nursery schools
- Hotels
- Food industry
- Hospitals
- Residential nursing homes
- Manufacturing
- Public administration
- Airports
- Railway stations
- Motorway service stations
- Leisure facilities
- Sports facilities
- Swimming pools



SCHELL stands for sustainable solutions. And that's now official.



WELL – the European valve industry's new efficiency label

With its intelligent valve technologies, SCHELL has long been demonstrating how to achieve sustainable solutions in terms of water consumption, hygiene and product quality. And that's now official.

To provide planners and developers with a neutral form of guidance when selecting products, the European valve industry (EUnited Valves) has now developed a new, informative and – most importantly – standardised product classification label that clearly indicates the potential savings of a tap or valve. To qualify for this label, each tap or valve must comply with the current set of applicable European standards. Testing and approval is performed by an accredited, independent test institute (EN ISO/ICE 17025) as part of the type examination.

This process ensures that materials are used only if they are hygienically safe and their functional safety has been established by endurance testing. Top priority here is given to compliance with drinking water hygiene.

With the first WELL-classified fittings, SCHELL is documenting its ambitious targets for quality – while proving that sustainability and minimal water consumption for taps and valves do not mean having to compromise on drinking water hygiene.

SCHELL is a member of the initiative

Blue Responsibility

Nachhaltige Sanitärlösungen

More information can be found at:
www.blue-responsibility.com



SCHELL has the highest international ratings for water savings.

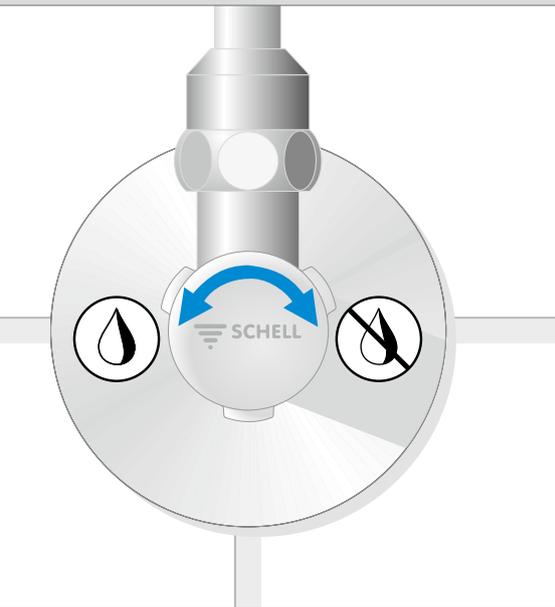


SCHELL is a member of the European fittings association, EUnited Valves.



More information can be found at:
<http://www.well-online.eu>

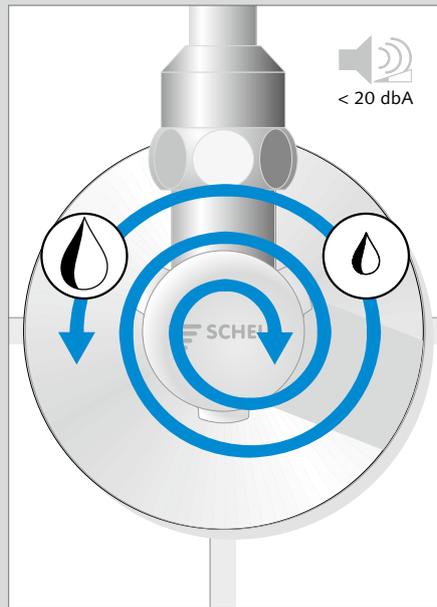
Angle valve functions. By SCHELL.



Shut off

Shut off (for repairs, maintenance, changing fittings).

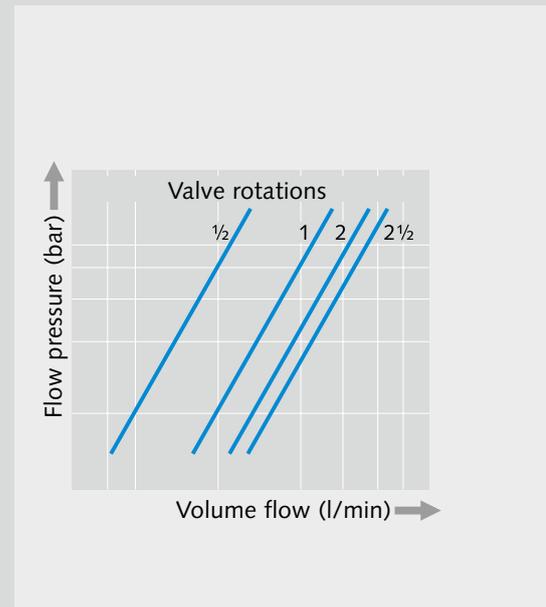
It's child's play – simply turn the operating handle clockwise to shut off the angle valve. The flow of water is now stopped. Washbasin taps can now be dismantled, serviced or repaired easily. A grease chamber that protects the brass spindle against limescale deposits ensures that the valve is always easy to open, regulate and close.



Regulate

Regulating (flow compensation with different pressures).

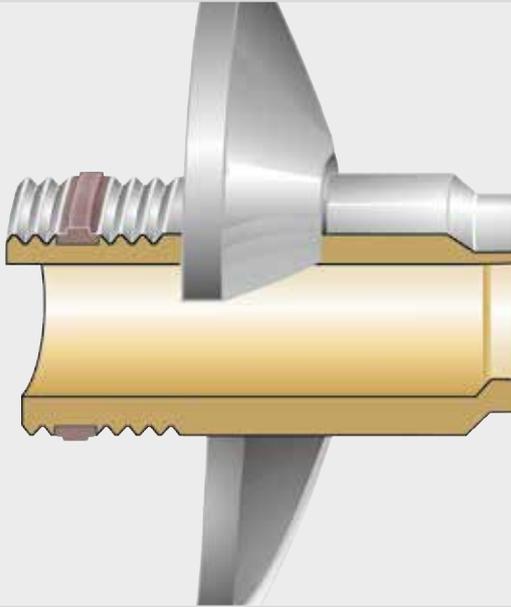
In contrast to shutoff ball valves, SCHELL angle valves with regulating function can regulate the flow rates of cold and hot water, and can also compensate for different pipe pressures. SCHELL angle valves with regulating function have a sound level of < 20 dB(A) with a flow pressure of 3 bar over their full adjustment range. The noise level therefore remains pleasantly low at whatever setting.



Save water

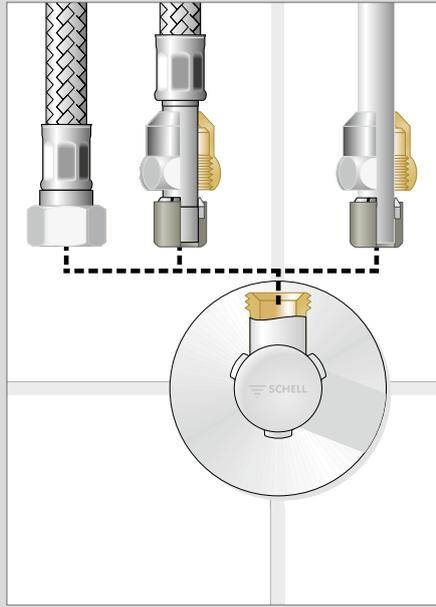
By using an optimally configured angle valve, water consumption can be reduced by up to 40 % without compromising on convenience.

This not only creates savings in relation to hot water, but also reduces harmful CO₂ emissions.



Seal

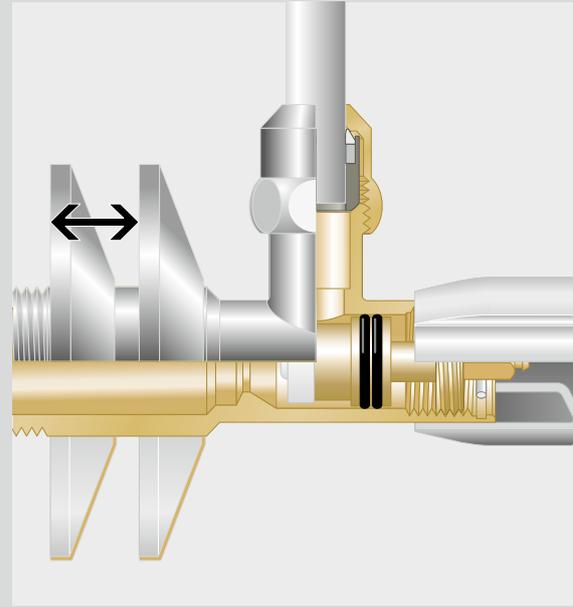
Angle valves with a self-sealing connecting thread (ASAG easy) make installation much easier. You no longer need to seal the connection with hemp or Teflon tape. Simply screw the angle valve on over the ASAG easy ring until it reaches the end of the thread – the connection will remain tight even after adjustment through reverse rotation.



Replace

Detachable connections to fittings (easy to replace).

The special cone compression connection between the angle valve and copper pipes or flexible hoses. On angle valves without a compression connection, the angle valve is connected to flexible hoses using a union nut and gasket.

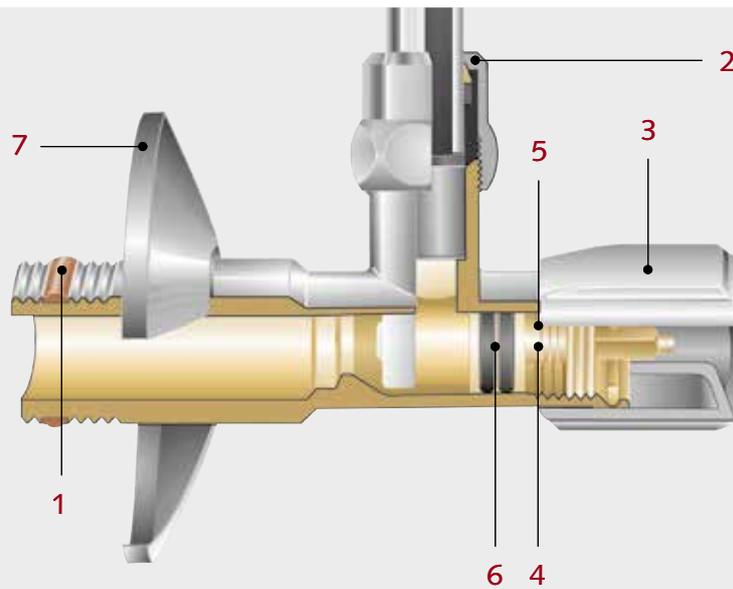


Compensate

Compensate connection tolerances (vertical compensation, push-on rosette).

The push rod on the angle valve shaft and the push rosette compensate for any installation errors of up to 18 mm. SCHELL not only offers the standard push rosette with Ø 54 mm, but also larger rosettes with Ø 65 mm to compensate for less than perfect tiling.

Quality features. By SCHELL.



Advantages

Uncompromising quality.

- 1 Faster assembly thanks to self-sealing connecting thread (ASAG easy)
- 2 Secure connection via the 3-part brass cone compression connection with length compensation
- 3 SCHELL COMFORT handle
- 4 Water-protected brass spindle that is always easy to operate
- 5 Grease chamber to ensure long-lasting freedom of movement
- 6 Maintenance-free, double O-ring seal
- 7 Increased flexibility with push rosette – 18 mm push distance

Reliable technology for safe drinking water.

By SCHELL.



High-quality materials



Angle valve with regulating function with filter



SCHELL sampling angle valve

Materials made for drinking water.

SCHELL fittings are fully compliant with current drinking water legislation. These laws include specifications for alloy components, for example: brass is used to meet current standards.

Protection against contamination in drinking water.

Dirt particles and lime deposits are continually flushed through the pipe network and mixed in with drinking water. These are not only perceived as undesirable and unhygienic but can also cause considerable damage to draw-off taps. For this reason, it makes sense to use SCHELL filter angle valves. The filter fitted inside the angle valve catches harmful particles; it can then be easily removed using a coin or screwdriver and washed clean under running water.

Germany's current Drinking Water Ordinance prescribes microbiological testing for Legionella for buildings with large-scale plants used for heating drinking water for public or commercial drinking water installations.

The SCHELL sampling angle valve meets the requirements for systemic testing within sanitary facilities. As water flows constantly through the angle valve to the draw-off tap, a statement can be made regarding the water quality within the drinking water installation (systemic testing).

Filter technology. By SCHELL.



Angle valve with regulating function with filter



Angle valve with regulating function with filter

Protection for fittings.

SCHELL angle valves with filter help to protect fittings and so to ensure their long service life. These valves are especially beneficial for electronic fittings, for example.

Proven angle valve technology.

The tried-and-tested brass spindle and O-ring seal technology that is used in millions of SCHELL angle valves with filter is put to good use here. This guarantees ease of movement – even after years of use.

Maintenance-free.

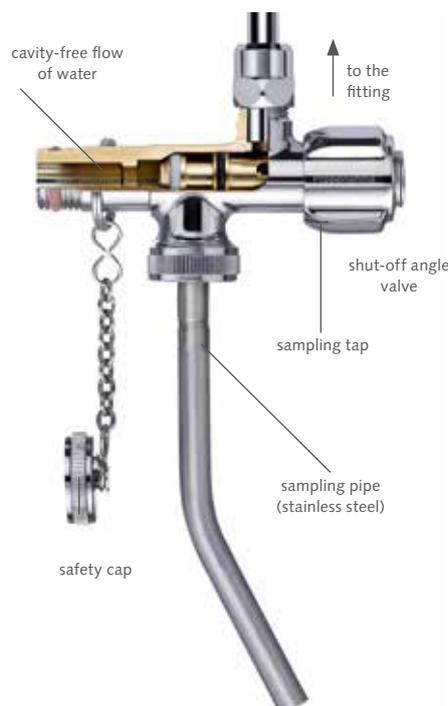
The grease chamber and double O-ring seal protect the brass spindle against lime-rich water. This is how SCHELL guarantees smooth-running, maintenance-free fittings with a long service life.

Sampling fittings.

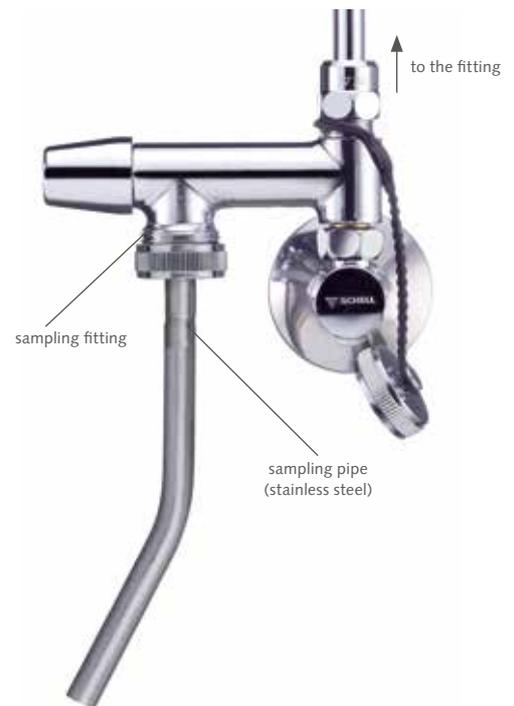
Fully compliant with the German Drinking Water Ordinance.

The current German Drinking Water Ordinance prescribes regular and systemic testing of drinking water for Legionella in hot water installations in public and commercial buildings. Suitable sampling valves must be installed for these tests. Drinking water samples must be taken as specified by DIN ISO 19458. An adequate number of sampling sites for these tests must also be installed in the sanitary facilities – this is specified by the Drinking Water Ordinance. These requirements also apply to existing buildings.

Sampling angle valve



PROBFIX sampling valve



ASAG easy.

For angle valves with regulating function.

Installation is even easier, safer, quicker – and hygienic.

SCHELL has further improved its original ASAG fitting with self-sealing connecting thread. The ASAG easy means installations will be even easier and quicker in the future – while keeping the seal at the same, reliable quality. ASAG easy also fulfils the requirements for hemp-free and hygienic installation technology. To enable the connecting thread to be screwed in with less effort, the shape of

the PTFE ASAG ring in the ASAG easy has been further optimised. The screwed-in fitting can also be aligned without any problems. Incidentally: The new ASAG easy is patented and is therefore available only from SCHELL.



Adding value with innovative, detailed solutions – SCHELL's achievement with ASAG easy.

Roughening.

Easier installation for all non-self-sealing fittings.

Roughening connecting threads with a saw blade at the construction site is now history – a promise made by the new thread roughening from SCHELL. The roughening depth has been selected by SCHELL specialists to ensure that the hemp remains safely in the thread, thereby always

guaranteeing a professional threaded connection. Nor does the roughening affect thread dimension accuracy in any way.



Mounting made easy: The roughened surfaces allow the fitting threads to be sealed quickly and reliably.

Always the right temperature – plus scalding protection.

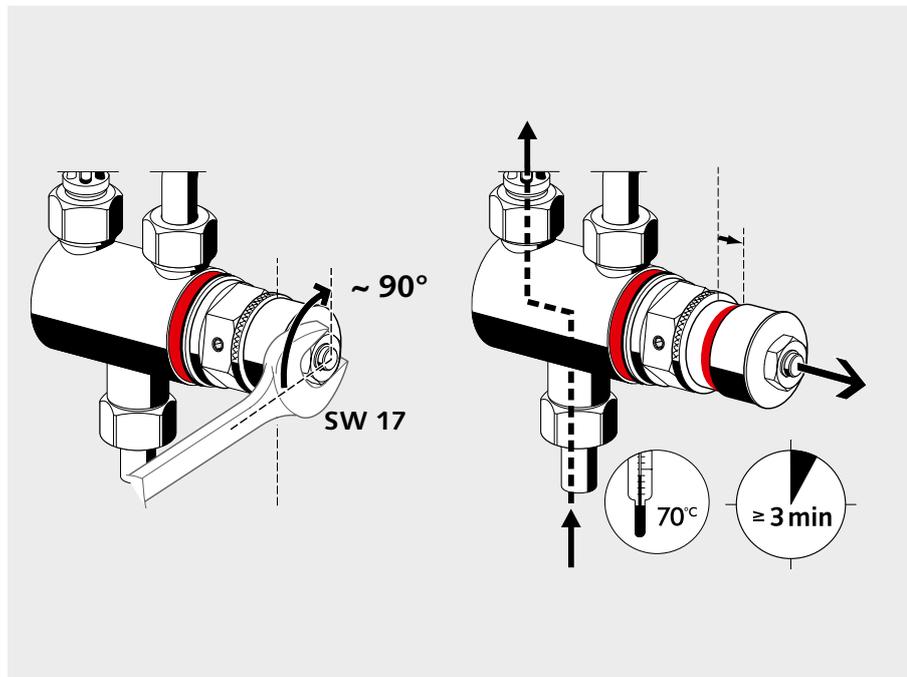
Safety, quality and design.

Angle valve thermostat. By SCHELL.





Thermostat angle valve



Performing thermal disinfection

The angle valve thermostat from SCHELL offers a reliable, easy to install and visually attractive solution for scalding protection. The thermostat is installed above the angle valve for the hot water pipe with a connection pipe to the cold water line; it guarantees that the draw-off temperature remains constant, e.g. at 38 °C – irrespective of pressure fluctuations and even if the cold water supply actually fails entirely. The target temperature can also be altered to suit your needs.

Advantages and application areas:

- Limits the maximum draw-off temperature
- Individual temperature adjustment
- Thermal disinfection (protection against Legionella)
- Easy installation
- Also ideal for retrofitting
- Typical areas of use: schools, nurseries, hospitals, retirement homes, hotels, etc.



QUAD – the new highlight under the wash basin from SCHELL. Wherever you value a perfect, stylish ambience.

Designer developments under the wash basin.

By SCHELL.



Design angle valve with regulating function QUAD with chrome handle

Design angle valve QUAD.

The strictly cubic design of the QUAD angle valve reflects current trends in architecture, and is also available with a pure chrome handle.



Design angle valve with regulating function STILE with concealed operation

STILE Design angle valve.

STILE combines simple elegance and tried-and-tested technology. The design angle valve with regulating function consists of a polished brass body, high-tensile SCHELL brass cone compression connection with length compensation and concealed operation underneath the cover cap.

Finishing touches for sanitary facilities. By SCHELL.



EDITION design angle valve
with regulating function



EDITION design angle valve
with regulating function set

EDITION angle valve with regulating function series.

This award-winning product (iF design award 2003 and DESIGN PLUS award) was created by sieger design and forms an integral part of attractive bathrooms as the EDITION set. The angle valve with regulating function and design odour trap satisfy the highest design standards under the wash basin.



reddot design award
winner 2004

DESIGN PLUS
Design Award for Excellence



design award
winner
2003

Technology used to be something to hide –
but it now has a functional beauty that's worth showing off.



Solutions for all styles. By SCHELL.



design angle valve
PURIS

PURIS.

The design is modelled on current trends in the draw-off tap segment. With its minimalist design, PURIS supplements the draw-off tap of the same name. The EDITION odour trap rounds off the range perfectly.



angle valve with regulating
function CLASSIC



angle valve with regulating
function RONDO

CLASSIC and RONDO.

These two angle valve series represent the core classic styles of the SCHELL product range. The operating handles are an integral part of the design. CLASSIC and RONDO fit harmoniously into the ambience of traditional sanitary facilities.



WING design angle valve
with regulating function



4WING design angle valve
with regulating function



PINT design angle valve
with regulating function

WING and 4WING.

Beauty by design under the wash basin. SCHELL has added two more attractive models to its range of design angle valves with regulating function: WING and 4WING. Nor is beauty merely skin-deep for both of these newcomers: The material used for the valve bodies is brass –for full compliance with current drinking water legislation. Both also offer a high-tensile SCHELL brass cone compression connection with length compensation and noise class I.

PINT.

Step up into the SCHELL design class. With PINT, SCHELL adds a new entry-level product to its portfolio of design angle valves with regulating function. Appealing styling, high-tensile SCHELL brass cone compression connection with length compensation and noise class I speak for themselves.



COMFORT ECO.

DIN angle valves with regulating function with integral flow restrictor.



COMFORT ECO is the ideal component for upgrading existing systems.

Decrease water consumption – and increase your WELL stars.

Angle valves with regulating function significantly affect the water consumption of draw-off taps. With the right product, the costs of consumption can be cut instantly, clearly and simply. Like the new COMFORT ECO DIN angle valves with regulating function, available in two different flow rate classes. Results: reduced water consumption and two stars as a WELL upgrade. Other benefits of the COMFORT

ECO: high-tensile SCHELL brass cone compression connection with length compensation, self-sealing connection thread (ASAG easy) and noise class I.

COMFORT ECO

DIN angle valve with regulating function with integral flow restrictor and push-on rosette Ø 54 mm

- Model with flow rate: 9 l/min, item no. 04 951 06 99
- Model with flow rate: 6 l/min, item no. 04 952 06 99

Flow restrictor for angle valves. By SCHELL.



The flow restrictor is the ideal component for upgrading existing systems.

Small component – big effect.

If you're looking for a simple, straightforward way to reduce water consumption, look no further than the new pressure-independent flow limiters from SCHELL. Available in three different flow rate classes, they feature a brass casing, plus seal, that is fully compliant with applicable drinking water legislation. Incidentally: using a flow restrictor earns you no less than two WELL 'upgrade' stars.

SCHELL flow restrictor for DN 10 angle valves

- Model with flow rate: 9 l/min, item no. 06 552 06 99
- Model with flow rate: 6 l/min, item no. 06 553 06 99
- Model with flow rate: 4 l/min, item no. 06 554 06 99

Upgrading with flow restrictor (≤ 6.0 l/min) means that up to two more stars can be achieved.



One-star single lever tap 12 l/min

+



Two-star flow limiter

=

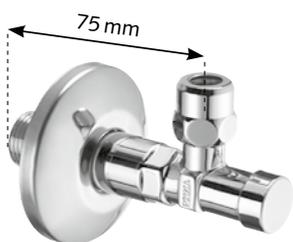


Three-star wash basin solution

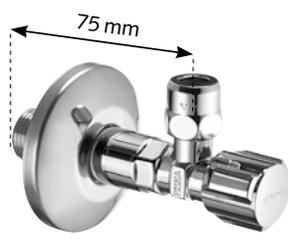
Angle valves with regulating function with extended casing. Offers real advantages in difficult installation situations.

The casing is extended to 75 mm, so a tap extension is no longer necessary. This reduces seal contacts while also ensuring a safe and reliable installation. In addition, there are two models with secure

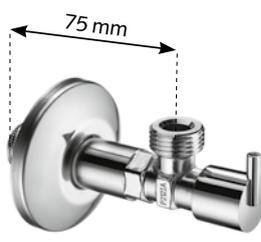
operation, which protects against unauthorised access. Selected angle valves with regulating function are also equipped with a high-tensile SCHELL brass cone compression connection with length compensation.



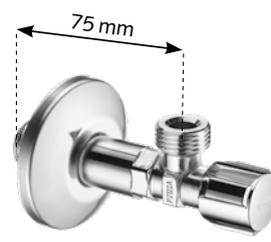
Angle valve with regulating function with extended casing and secure operation



Angle valve with regulating function with extended casing and COMFORT handle



Angle valve with regulating function with secure operation



Angle valve with regulating function with half-inch thread and COMFORT handle

SCHELL COMFORT PT angle valve. With PT 1000 temperature sensor.



Angle valves from SCHELL are used worldwide because of their quality. A temperature sensor now makes this gold standard fit for the future. The sensor permanently measures the water temperature and forwards the information to the SCHELL SWS Water Management System.

Flexible sanitary hoses. By SCHELL.



Hygienic

Because the inliner is made from an HDPE compound that is not physically cross-linked

High reliability

High compressive strength due to closely meshed stainless steel wire braiding

Consistently good

We offer flexible hoses to ensure a permanent, secure connection between angle valve and tapping point. This not only completes the installation at this point but ensures that the same high level of quality is maintained.

The inliner is made from a super-flexible, un-cross-linked novel HDPE compound to guarantee compliance with the highest hygienic standards. This is confirmed by microbiological limit value testing (W 270).

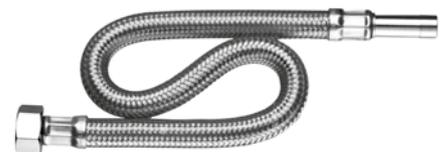
The hose is especially crush-resistant, thanks to the closely meshed stainless steel wire braiding. Combined with the super-flexible inliner, this makes the hose very pliable while also highly resistant to kinking. This also ensures a uniform flow rate through the hose.

- Highly flexible for installation – minimum bending forces
- High compressive strength thanks to high-quality stainless steel braiding
- Inliner features high resistance to stress fractures due to hose connections
- Easily handles changes in temperature
- Odourless and does not affect taste (KTW-A)
- All positive mechanical properties according to W 543 worksheet
- DVGW-certified

Super-flexible



Very kink-resistant



A wide range of connection options.
By SCHELL.



Clean-Fix S

The application scenarios for our flexible hoses are truly universal – and the range of models is just as diverse. Available in lengths from 200 mm to 1,000 mm, they include a union nut with pressed-in seal, cone compression connection, pipe socket with safety stage and angled connection.



Clean-Flex S

We also offer all models as a Clean-Flex variant with a rotatable hose connection component. This ensures that the hose can be fitted without any twisting.

Fixed flex seal.
Sealing ring cannot slip
or become lost.

The angle valve specialist. Selection.

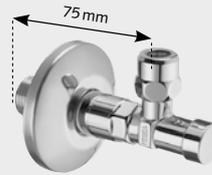
ANGLE VALVES



SCHELL angle valve with regulating function COMFORT

- COMFORT handle
- Long push rod
- Push rosette Ø 54 mm
- With ASAG easy

Item no. 04 917 06 99



SCHELL angle valve with regulating function with extended casing and secure operation

- Push rosette Ø 63 mm
- Connection thread 32 mm

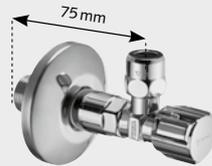
Item no. 05 406 06 99



SCHELL QUICK COMFORT angle valve with regulating function

- Push-fit technology
- Non-detachable, pull-proof and twist-proof installation into the QUICK Adapter

Item no. 05 304 06 99



SCHELL angle valve with regulating function with extended casing and COMFORT handle

- Push rosette Ø 63 mm
- Connection thread 32 mm

Item no. 05 407 06 99



SCHELL angle valve with regulating function with filter

- Long push rod
- Push rosette Ø 54 mm
- With ASAG easy

Item no. 05 428 06 99



SCHELL angle valve with regulating function with secure operation

- Push rosette Ø 54 mm
- Connection thread 13 mm

Item no. 05 405 06 99



SCHELL angle valve with regulating function COMFORT

- COMFORT handle
- Long push rod
- Push rosette Ø 54 mm

Item no. 05 217 06 99



SCHELL sampling angle valve

- Long push rod
- Rosette Ø 54 mm
- With ASAG easy

Item no. 03 835 06 99



SCHELL angle valve COMFORT

- COMFORT handle
- With sanitary head part
- Compression connection

Item no. 09 656 06 99



SCHELL PROBFIX sampling valve

- High-tensile SCHELL cone compression connection with length compensation
- Shut-off device with seals resistant to higher temperatures (120°C)

Item no. 03 838 06 99

DESIGNER ANGLE VALVES



Item no. 05 362 06 99

- SCHELL QUAD design angle valve**
- Solid operating handle made from chrome
 - High-tensile SCHELL brass cone compression connection with length compensation
 - All-metal design with sanitary grease chamber head part



Item no. 05 311 06 99

- SCHELL PURIS design angle valve with regulating function**
- Long push rod
 - High-tensile SCHELL brass cone compression connection with length compensation
 - All-metal design with sanitary grease chamber head part



Item no. 05 320 06 99

- SCHELL EDITION design angle valve with regulating function**
- Design: Sieger design
 - With ASAG easy
 - High-tensile SCHELL brass cone compression connection with length compensation

DESIGN ANGLE VALVES/VARIATIONS



Item no. 05 376 06 99

- SCHELL STILE design angle valve with regulating function**
- Polished brass body with push rod
 - Push rosette Ø 60 mm
 - High-tensile SCHELL brass cone compression connection with length compensation



Item no. 05 321 06 99

- SCHELL EDITION design angle valve set with regulating function**
- Design: Sieger design
 - With ASAG easy
 - Connection set for wash basins: comprising 2 EDITION designer angle valves and 1 EDITION designer odour trap



Item no. 05 392 06 99

- SCHELL WING design angle valve with regulating function**
- Polished brass body with push rod
 - Push rosette Ø 60 mm
 - High-tensile SCHELL brass cone compression connection with length compensation



Item no. 01 505 06 99

- SCHELL QUAD design odour trap**
- Polished brass casing and pipes
 - Brass rosette with slide ring
 - Cleaning opening with O-ring seal



Item no. 05 393 06 99

- SCHELL 4WING design angle valve with regulating function**
- Polished brass body with push rod
 - Push rosette Ø 60 mm
 - High-tensile SCHELL brass cone compression connection with length compensation



Item no. 05 172 06 99

- SCHELL CLASSIC angle valve with regulating function**
- Long push rod
 - Push rosette Ø 65 mm
 - With ASAG easy
 - High-tensile SCHELL brass cone compression connection with length compensation



Item no. 05 390 06 99

- SCHELL PINT design angle valve with regulating function**
- Long push rod
 - Push rosette Ø 54 mm
 - High-tensile SCHELL brass cone compression connection with length compensation



Item no. 05 152 06 99

- SCHELL angle valve with regulating function RONDO**
- Long push rod
 - Push rosette Ø 65 mm
 - With ASAG easy
 - High-tensile SCHELL brass cone compression connection with length compensation



Item no. 05 419 06 99

- SCHELL PINT angle valve with regulating function**
- Long push rod
 - Push rosette Ø 63 mm
 - Brass valve body conforms to German Drinking Water Ordinance
 - Plastic operating handle



1 2



3 4

SCHELL – found everywhere where architects, planners and plumbers rely on non-compromising quality.



5 6



7 8

Photo: DMG/Christoph Wüch

Major leading companies across the world place their trust in SCHELL when refitting their sanitary facilities. This is where a shared interest in design and quality in the details becomes apparent. SCHELL fittings are also used efficiently for redeveloping properties. Here are a few examples.

- 1 Ritter Sport Museum, Waldenbuch
- 2 Schloss Arkaden shopping centre, Braunschweig
- 3 Leisure pool, Schorndorf
- 4 Köln-Düsseldorfer Deutsche Rheinschiffahrt AG
- 5 Sheraton Carlton Hotel, Nuremberg
- 6 Eden Aréna, Prague
- 7 Burj Khalifa complex, Dubai
- 8 Volkswagen AG, Dresden

Additional references can be found at www.schell.eu



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 **SCHELL**