



Flush technology with system.
By SCHELL.

 **SCHELL**



Pressure flush technology by SCHELL. First choice globally.

Whether in public or private sanitary area – pressure flush technology was, is and will also remain in the future an attractive technological solution. Because it provides what is important to architects, designers, installation fitters and users: modern design, water-saving solutions, high reliability, robust materials, the highest hygiene for user and maintaining the drinking water hygiene and easy service. With more than 80 years experience and an unprecedented wide range of products, SCHELL is con-

sidered to be the pioneer in the sector of pressure flush technology globally. Our system solutions do not need to shy away from competition of other flush technologies.

Convince yourself. And if you have questions – contact us. We would be happy to advise you:

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www.schell.eu

Advantages of the SCHELL pressure flush technology:

- Continually ready for flushing
- Visible front panels in comparison to cistern solutions
- Low installation space required
- Contact-free solution using intelligent sensor technology
- Optimum drinking water hygiene due to stagnation flush function
- Reduced water consumption with dual flush technology
- Noise class I

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Flush technology with **system and future.**

Comprehensive range of products. Whether for the private or public commercial facilities – SCHELL provides a unique range of products in the sector of modern flush technology for practically all applications:

1. Flush technology for WC and urinal
2. Mechanical and electronic actuation
3. Wall-mounted and concealed solutions
4. Versions for high and low pressure

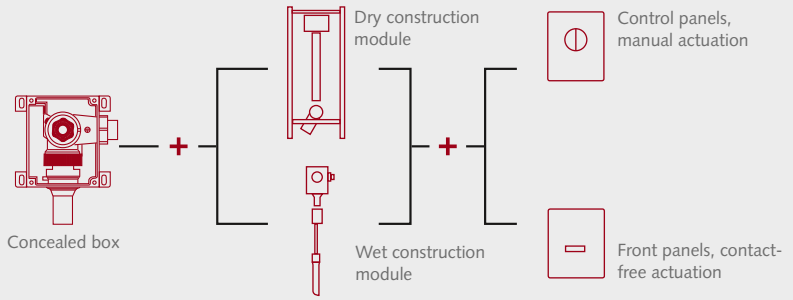
In addition to the large selection of products, SCHELL places special importance on adhering to the drinking water hygiene, easy mounting, as well as reliable and water-saving mode.

The function principle. The flush technology is a modern and advanced solution that is no longer indispensable from daily life. Thus, today, practically all urinals are flushed using a flush valve. Just like the WC flush technology by SCHELL is at the state-of-the-art technology, that is used globally for different supply systems.

In contrast to the WC cisterns, by the flush valve, the flushing water is supplied directly for use, without storage – a drain valve is not required. The function is fulfilled by the flush valve cartridge. Advantages: less installation volume and less functioning parts in comparison to the cistern. However, prerequisite for trouble-free function is correct dimensioning of the pipeline up to the fitting.

Application	Dimension	Noise class	Flow rate	Flow pressure
WC	DN 25	I	1 l/s	≥ 1.3 bar
Urinal	DN 15	I	0.3 l/s	≥ 0.5 bar

Flush technology with system. Constructed on a single concealed box, numerous solution versions can be realized.



One system, many advantages. In practice, the requirements on WC and urinal applications are often very different. All the better when the solutions here come from the same source – and with system. Thus, for example, all concealed urinal flush valves are installed in the same concealed box.

And not just that: The individual function modules, such as hydraulic cartridges or solenoid valves can be inserted into the wall-mounted and concealed fittings. The advantage for you as fitter: one water line for all applications, less spare parts store and large variation in the designs.

Mounting modules for dry and wet construction

Time is money. All the more important are the mounting modules for concealed fittings. SCHELL offers a complete program of wall-mounted modules,

with which complete sanitary rooms can be equipped. Also here, the Schell modular system is effective: one water line for all applications.



Save water with, sealed & certified.

Whoever wants to responsibly handle the water resource, saves costs and simultaneously protects the environment. Here, SCHELL belongs to the pioneers globally and, with the first WELL classified fittings, substantiates that lower water consumption of fittings is not a contradiction to adhering to

the drinking water hygiene. For example via WC economy buttons, LC control in the hybrid programme or urinal "stadium programmes" that ensure the flush volumes are automatically used in the event of high-level usage.



Manual concealed WC flush valves **EDITION and AMBITION**

The classic solution. Water-saving with the manual concealed WC flush valves EDITION and AMBITION can be so easy. In addition to single flush designs, there is also a water-saving, dual flush solution available in different designs. All together, they are the small front panels.

Whether in chrome, stainless steel or glass. Even there where low flow pressures are anticipated, SCHELL has a solution with low-pressure fittings that function from 0.8 bar flow pressure at the fitting.

The SCHELL classics are available in different designs. From economic to noble.



AMBITION, single pane safety glass, black



AMBITION ECO, single-pane safety glass, white



EDITION, plastic, chrome



EDITION ECO, Stainless steel



EDITION E



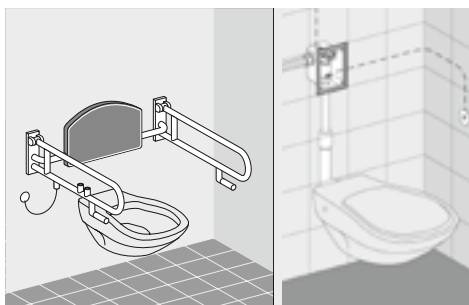
Switching module EDITION E

Electronic concealed WC flush valves EDITION E and WC ceiling-mounted flush valves EDITION E

EDITION E. The electronic concealed flush valve EDITION E provides perfect hygiene. This is due to, on the one hand, to the contact-free actuation of the electronic WC flush valve. Because the flushing is carried out automatically when leaving the area of the sensor. On the other hand, the EDITION E has an automatic stagnation flush. This flushes every 24 h after the last use. This makes sure that no stagnation water forms. The user monitoring can be adjusted in the range and, thus, can be perfectly adapted to the local circumstances. If the period of use is less than 30 seconds, only the "small flush volume" is actuated. For longer periods of use, the full flush volume.

In order to flush again as required, there is the EDITION E as an option, also with additional manual activation (main flush volume).

WC ceiling-mounted flush valve EDITION E. SCHELL offers another electronic WC flush valve which can be actuated by an external button, either as a single or dual flush. A solution that is particularly suitable for facilities where the pressure flush valve should be installed in, e.g. a false ceiling. Another solution: the actuation using switching elements in support handles. The ceiling-mounted version of EDITION E also has automatic stagnation flush.





Installation made easy. Mounting modules by SCHELL.

Everything from one source. Whoever selects SCHELL, selects a smart system solution for wall-mounted and concealed installation. The advantages are clear.

Example of device mounting: Using a single mounting module, high-pressure as well as electronic solutions can be realized. Another advantage: the low installation volume.



Urinal mounting module
Wet construction



WC mounting module
Dry construction

- High pressure
- Electronic



Manual wall-mounted WC flush valve SCHELLOMAT

Large family of products, large variety.

Good arguments for the installation of SCHELLOMAT wall-mounted WC flush valves are the easy mounting, high functionality, the extreme robustness – and, foremost: the low installation and operating costs. Thus, e.g. no expensive concealed modules are required. And, with the dual flush, the water consumption is also sustainably reduced. The corrosion-proof plastic cartridge and integrated automatic jet cleaning needle provides reliable continuous operation. Due to the easy accessibility

of the system, servicing is possible without any problems at all times. Thereby, the fittings with an isolating valve provide the advantage that individual flush valves can be individually shut-off in the event of a blocked bowl. Other plus points: the compact dimensions and all-metal design, the improved protection against vandalism, in comparison to the wall-mounted cistern. SCHELLOMAT – the perfect solution for renovation and new installation.



SCHELLOMAT Basic – elegant in all-metal, with and without isolating valve



SCHELLOMAT Silent Eco – the economic dual flush flush valve with Noise class I



SCHELLOMAT with lever – the reasonably priced and reliable solution



Mechanical concealed urinal flush valves **AMBITION and EDITION**

Proven their worth. Mechanical concealed urinal flush valves by SCHELL convincing with high reliability and appealing design of the front panels – selection of plastic, stainless steel or glass. For quick mounting, SCHELL provides a module for dry construction and also for wet construction.

Good to know: Retrofit of the flush valve for contact-free operation is possible at any time. Because the roughing-in set is suitable for accepting the mechanical and also electronic front panels.



Roughing-in set COMPACT II

Advantage of the system:
a roughing-in set for all
mechanical and electronic
urinal flush valves.



AMBITION, single pane
safety glass, black



EDITION, plastic, white



EDITION, plastic, chrome



EDITION,
stainless steel



Electronic concealed installation urinal flush valve **AMBITION E, EDITION E and COMPACT LC**

Hygiene with high technology. Whether using control through infrared or sensors in the siphon – electronic urinal flush valves by SCHELL stand for maximum user and drinking water hygiene. Provided by the contact-free actuation and integrated stagnation flush. The flush times can be easily adjusted to all conventional ceramic units. Mounting and servicing is just as easy, due to the Plug & Play plug solutions. All of the electronics are available as mains operation or as battery mode.

AMBITION E and EDITION E.

Depending on the location of installation, there is a selection of front panels for the infrared-controlled urinal flush valves, between reasonably priced plastic, vandal-proof stainless steel or elegant glass.

COMPACT LC. If the technology should not be visible to the user, the COMPACT LC is the first choice. Here, the sensor is located in the siphon and detects the flow volume there as it flows past. Other plus points of the invisible control: immediately ready for operation, 3 flushing programs including hybrid mode*, flush stop if the siphon is blocked, as well as a diagnostic program activated by the ceramic unit. If the user frequency is high, the integrated stadium program reduces the flushing intervals (WELL A Public). The LC control is also available as a retrofit set for subsequent installation of the control at the rear of specified ceramic units.



* For the hybrid range, flushing is carried out every 15 min. after the last use.
This results in an extremely low consumption of water.



Wall-mounted urinal flush valves **SCHELLOMAT and SCHELLTRONIC**

SCHELLOMAT. Small, refined and versatile – thus the SCHELLOMAT wall-mounted urinal flush valves are presented. Their pressure range starts at 0.5 and goes up to 5.0 bar flow pressure. And, because the flush volume of 1.0 to 4.0 litres can be adjusted, SCHELLOMAT flush valves are suitable for nearly all ceramic units.



SCHELLOMAT Basic –
Robust technology in modern design

SCHELLTRONIC. The electronic urinal flush valve possess everything that one can expect from a modern wall-mounted solution.

Maximum hygiene, due to contact-free actuation and automatic stagnation flush every 24 h after the last use. In addition, a modern design, high reliability due to a cartridge with jet cleaning needle, integrated isolating valve and operation with a 9 V block battery, available everywhere and easy to replace. Depending on the frequency of use, up to 100.000 flushes.

The special clue to economy, the integrated "Stadium program": For higher frequency of use, the flush volume is reduced until normal operation is determined. Result: less water consumption and an A classification in accordance with WELL.



SCHELLTRONIC –
Maximum hygiene,
also ideal for retrofitting



SCHHELL



reddot design award






DESIGN **PLUS**

WC flush technology: Concealed



The solution by SCHELL	EDITION AMBITION	EDITION ECO AMBITION	EDITION ND AMBITION	EDITION ECO ND AMBITION
Design details	Chrome (plastic) Alpine white (plastic) Stainless steel Safety glass ESG Black , white	Chrome (plastic) Alpine white (plastic) Stainless steel Safety glass ESG Black , white	Chrome (plastic) Alpine white (plastic) Stainless steel Safety glass ESG Black , white	Chrome (plastic) Alpine white (plastic) Stainless steel Safety glass ESG Black , white
Appropriate flush valve	COMPACT II	COMPACT II	COMPACT II	COMPACT II
Actuation	Manual	Manual	Manual	Manual
Energy supply	–	–	–	–
Flush rate	1.0 – 1.3 l/s	1.0 – 1.3 l/s	1.0 – 1.3 l/s	1.0 – 1.3 l/s
Flush volume	4,5 – 9 l (adjustable)	3/4,5 – 9 l (adjustable)	4,5 – 6 l (adjustable)	3/4,5 – 6 l (adjustable)
Economy button	–	Yes	–	Yes
Flush time	Individual	Individual	Individual	Individual
Flow pressure	1.0 – 1.3 bar	1.0 – 1.3 bar	0.8 bar	0.8 bar
Noise class	I	I	I	I
Connection	T 3/4 MT	T 3/4 MT	G 1 AG	G 1 AG
Isolating valve	Yes	Yes	Yes	Yes
Stagnation flush	–	–	–	–
Mounting module, dry construction	Yes	Yes	–	–
Mounting module, wet construction	–	–	–	–
Special feature	Always ready to flush jet cleaning needle	Always ready to flush 3l-economy flushing DRN	Always ready to flush Low pressure design DRN	Always ready to flush 3l-economy flushing Low pressure design DRN

**Minimal
installation depth**

				
EDITION ECO 100 EDITION ECO ND 100	EDITION E	EDITION E	WC ceiling-mounted flush valve EDITION E	Single/dual flush flush valve
Chrome (plastic)	Stainless steel front panel	Stainless steel front panel	Stainless steel front panel	Electronic switching module for actuation of a single flush chrome, accessories
COMPACT II	COMPACT II	COMPACT II	COMPACT II	EDITION E
Manual	Contact-free (infrared)	Contact-free (infrared)	Manual	Manual
–	Mains operation or battery mode	Mains operation or battery mode	Mains operation or battery mode	Mains operation or Battery mode
1.0 – 1.3 l/s 1.3 l/s	1 – 1.3 l/s	1 – 1.3 l/s	1 – 1.3 l/s	1 – 1.3 l/s
3/4,5 – 6 l (adjustable)	3 – 9 l (adjustable)	3 – 9 l (adjustable)	3 – 9 l (adjustable)	4,5 – 9 l (adjustable)
–	–	–	–	–
Individual	Individual	Individual	Individual	Individual
1.2 bar From 0.8 bar	1.2 – 5 bar	0.8 bar	1.2 – 5 bar	1.2 – 5 bar
I	I	I	I	I
G 1/2 AG, G 1 AG	T 3/4 MT	T 1/2 MT	T 3/4 MT	T 3/4 MT
Yes	Yes	Yes	Yes	Yes
–	Yes	Yes	Yes	–
–	Yes	Yes	–	Yes
–	–	–	–	–
Always ready to flush 3l-economy flushing Low-pressure design for installation depth 100 – 160 mm DRN	Always ready to flush Stagnation flush E-Module prepared for connection of a switch module single/dual flush for external actuation	Always ready to flush Stagnation flush Manual actuation if there is a power failure E-Module prepared for connection of a switch module single/dual flush for external actuation	Always ready to flush Stagnation flush E-Module prepared for connection of a switch module single/dual flush for external actuation	Always ready to flush Possibility to position the actuator at the side Installation location can be arbitrarily selected




WC flush technology: Wall mounted



Low-pressure




The solution by SCHELL	SCELLOMAT (lever)	SCELLOMAT (lever)	SCELLOMAT BASIC	SCELLOMAT BASIC
Design details	All visible components and functional parts brass DIN EN	All visible components and functional parts brass DIN EN	Robust all-metal flush valve with brass push-button	Robust all-metal flush valve with brass push-button
Appropriate flush valve	–	–	–	–
Actuation	Manual	Manual	Manual	Manual
Energy supply	–	–	–	–
Flush rate	1.0–1.3 l/s	1.0–1.3 l/s	1.0–1.3 l/s	1.0–1.4 l/s
Flush volume	6–14 l (variable)	6	4,5–9 l (adjustable)	8–14 l (adjustable)
Economy button	–	–	–	–
Flush time	Individual	Individual	Individual	Individual
Flow pressure	1.2	1.2	1.2–5 bar	0.4–4 bar
Noise class	I	I	II	II
Connection	T 3/4 MT	T 3/4 MT	T 3/4 MT	G 1 AG
Isolating valve	–	–	Yes/no	Yes/no
Stagnation flush	–	–	–	–
Mounting module, dry construction	–	–	–	–
Mounting module, wet construction	–	–	–	–
Special feature	Always ready to flush DRN	Always ready to flush DRN	Always ready to flush DRN	Always ready to flush DRN






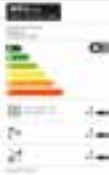
		
SCELLOMAT SILENT ECO	SCELLOMAT EDITION	SCELLOMAT EDITION ECO
Low noise all-metal flush valve with brass push-button	Low noise all-metal flush valve with brass push-button	Low noise all-metal flush valve with brass push-button
–	–	–
Manual	Manual	Manual
–		–
1.0 – 1.3 l/s	1.0 – 1.3 l/s	1.0 – 1.3 l/s
4,5 – 9 l (adjustable)	4,5 – 9 l (adjustable)	3/4,5 – 9 l (adjustable)
Yes	–	Yes
Individual	Individual	Individual
1.2 – 5 bar	1.2 – 5 bar	1.2 – 5 bar
I	I	I
T 3/4 MT	T 3/4 MT	T 3/4 MT
–	Yes	Yes
–	–	–
–	Yes	Yes
–	–	–
Always ready to flush DRN Economy button 3.0 l	Always ready to flush Integrated service shut-off valve DRN	Always ready to flush Integrated service shut-off valve Economy button 3.0 l

Urinal flush technology Concealed



The solution by SCHELL	EDITION	AMBITION	EDITION E	AMBITION E
Design details	Chrome (plastic) Alpine white (plastic) Stainless steel	White (single-pane safety glass) Black (single-pane safety glass)	Chrome (plastic) Alpine white (plastic) Stainless steel	White (single-pane safety glass) Black (single-pane safety glass)
Appropriate flush valve	COMPACT II	COMPACT II	COMPACT II	COMPACT II
Actuation	Manual	Manual	Contact-free (infrared)	Contact-free (infrared)
Energy supply	–	–	Mains operation or battery mode	Mains operation or battery mode
Flush rate	0.3 l/s	0.3 l/s	0.3 l/s	0.3 l/s
Flush volume	1 – 6 l (adjustable)	1 – 6 l (adjustable)	1 – 6 l (adjustable)	1 – 6 l (adjustable)
Flush time	Individual	Individual	2 – 15 s	2 – 15 s
Flow pressure	0.8 – 5.0 bar	0.8 – 5.0 bar	0.8 – 5.0 bar	0.8 – 5.0 bar
Noise class	I	I	I	I
Connection	T 1/2 MT	T 1/2 MT	T 1/2 MT	T 1/2 MT
Isolating valve	Yes	Yes	Yes	Yes
Stagnation flush	–	–	–	–
Mounting module, dry construction	Yes	Yes	Yes	Yes
Mounting module, wet construction	Yes	Yes	Yes	Yes
Special feature	Always ready to flush DRN	Always ready to flush Stagnation flush WELL A Public 	Always ready to flush Stagnation flush WELL A Public 	Always ready to flush Stagnation flush WELL A Public 

Urinal flush technology Wall mounted

				
COMPACT LC	RETROFIT LC	SHELLOMAT BASIC	SHELLOMAT EDITION	SHELLTRONIC
Universal siphon flush control for all ceramic and stainless steel bowls	Flush control as modernisation solution	Robust all-metal flush valve with brass pushbutton	Low noise all-metal flush valve with brass pushbutton	Robust all-metal flush valve
COMPACT II	COMPACT II	–	–	–
Contact-free (siphon sensor)	Contact-free (siphon sensor)	Manual	Manual	Contact-free (infrared)
Mains operation or battery mode	Mains operation or battery mode	–	–	Battery mode
0.3 l/s	0.3 l/s	0.3 l/s	0.3 l/s	0.3 l/s
1 – 2 l	1 – 2 l	1 – 6 l (adjustable)	1 – 6 l (adjustable)	1 – 6 l (adjustable)
2 – 15 s	2 – 15 s	Individual	Individual	2 – 15 s
0.8 – 5.0 bar	0.8 – 5.0 bar	0.8 – 5.0 bar	0.8 – 5.0 bar	0.8 – 5.0 bar
I	I	II	I	II
T 1/2 MT	T 1/2 MT	DN 15 / G1/2 AG	DN 15 / G1/2 AG	DN 15 / G1/2 AG
Yes	Yes	Yes / no	Yes / no	Yes
Yes	Yes	–	–	–
Yes	Yes	Yes	Yes	Yes
Yes	Yes	–	–	–
Always ready to flush	Always ready to flush	Always ready to flush	Always ready to flush	Always ready to flush
Stagnation flush	Stagnation flush	Optional with integrated shut-off valve for servicing	With integrated shut-off valve for servicing	Stagnation flush
Stadium operation	Stadium operation	Also as Benelux design		Stadium operation
Overflow protection	Overflow protection			WELL A Public also as Benelux design
Diagnosis using Reed contact	Diagnosis using Reed contact			

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