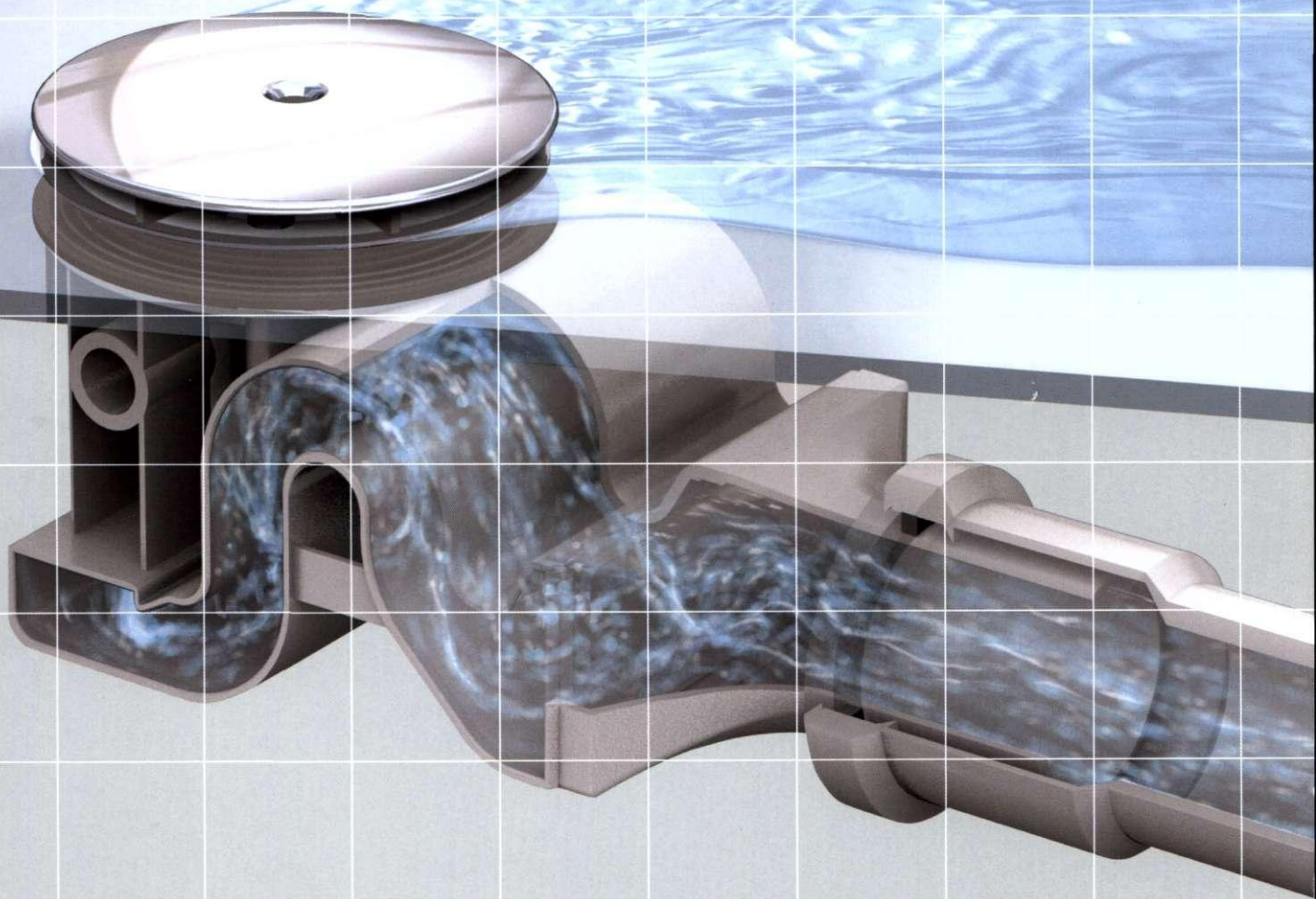


Waste Technology



hansgrohe

Hansgrohe shows water the way

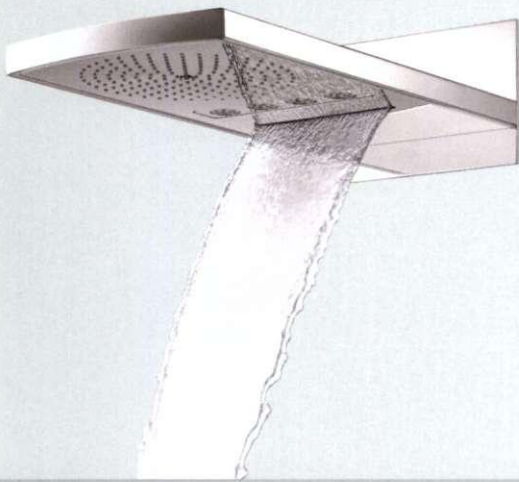
With its innovative technology, quality craftsmanship and outstanding designs, Hansgrohe has been one of the most renowned trend-setters in the bathroom industry for more than 100 years. Not only has the company made a name for itself through its innovative shower technology, but also shows creativity and skill in all other areas.

We show water the best way – from smooth-running mixers, through comfortable showers right down to reliable waste systems. And our expertise does not stop there. With AquaCycle, Hansgrohe has developed a system to purify bath and shower waste water, making it available for other uses such as flushing the toilet or watering the garden.

This is how the cycle of water is closed – for the benefit of people and the environment.



Mixing water – With the iBox universal, the world's first basic set for all concealed standard and thermostat installations, Hansgrohe once again has reinforced its leadership position in mixing technology.



Using water – The Raindance overhead and hand showers with their extra large, flat shower heads triggered a veritable shower boom. The numerous imitations and copies are proof of Hansgrohe's power of innovation.



Draining water – The growing popularity of more lavish shower systems entailed another development: Raindrain, a high performance waste system which quickly and safely drains large volumes of water.



Recycling water – Pontos AquaCycle purifies shower and bath waste water, making it available to be used a second time for flushing the toilet or watering the garden.

Exafill® S

Featuring an integrated inlet, outlet and overflow function for the bathtub, Exafill S is another innovation in waste technology. It replaces the conventional bath spout and combines maximum ease of operation with simplified installation. Thanks to its flat overflow housing, Exafill S is also suitable for bath carriers. There is no simpler or smarter way to solve your drain problems.



Basic set for standard bath tubs
Exafill S fulfills three functions simultaneously: inlet, outlet and overflow. Due to its flexibility and low profile it is also suitable for bath carriers; the Bowden pull is 520 mm long.

Basic set for special/larger tubs
58115180 (not shown)



Complete set for standard tubs
The Exafill S with its flexible pipe is ideal as complete set with handle and concealed parts in the surface finish chrome, is especially suitable for commercial and public buildings.

58113, -000



Finish set

Finish set in reduced and elegant S-design
58117, -000, -090, -450, -800, -810, -820, -830, -880

Installation, cleaning and operation



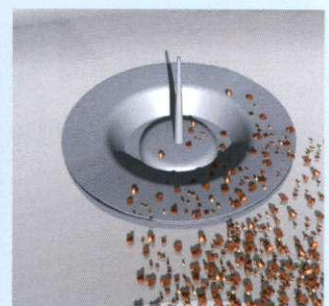
Flat overflow housing
Only 38 mm deep, the space saving overflow housing is easy to install and also suitable for bath carriers. It is combined with a one piece flat finish set that is elegant in design and easy to clean.



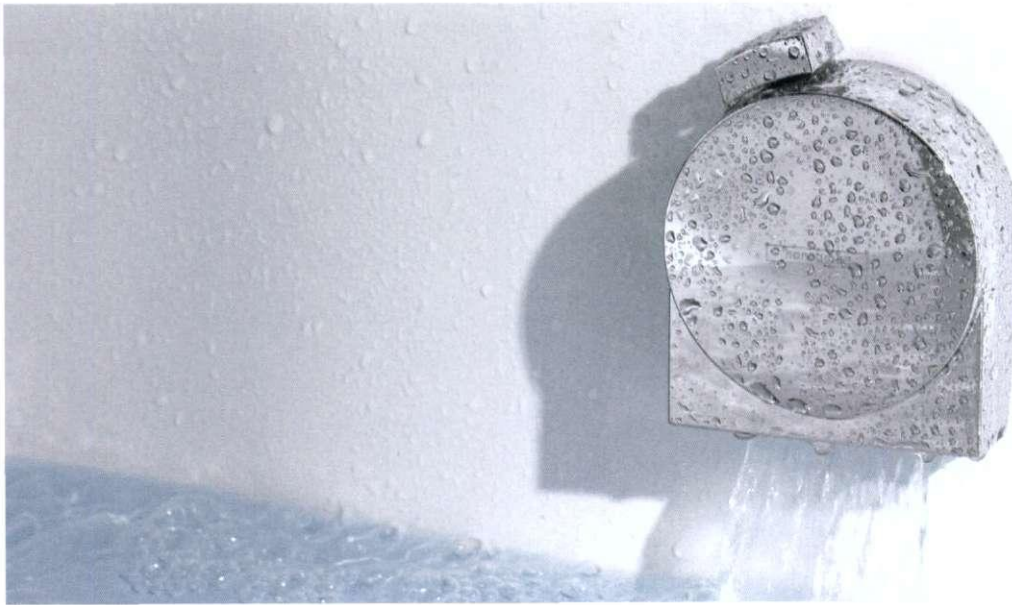
Flexible in all directions
The Exafill S is extremely flexible and adjustable to special bath tub shapes.



Test inlet
Pipe rinsing and checking for water tightness can be done simultaneously. The test inlet also serves the purpose of filling the bath tub and adjusting the Bowdenpull in the early installation stage.



Test stopper
With the test stopper, the water tightness of the installed outlet valve is checked. In further stages of the installation it serves as protection from dirt particles until the finish set is installed.



iBox[®] universal
Ventilation
Non-return valve

Pointing the way in concealed installation

The Exafill S and the iBox universal with integrated security combination offer an ideal all-inclusive solution. Thanks to the unique integrated security combination an external pipe interrupter becomes redundant, thereby also saving on installation and maintenance costs. A flexible, insulated connection hose with stainless steel coating for greater ease of installation is optionally available.

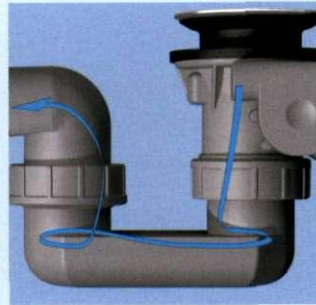


Exafill S in conjunction with iBox security combination



Threefold sealing

The threefold seal completely covers the outlet hole in all three directions; adhesive sealant becomes superfluous.



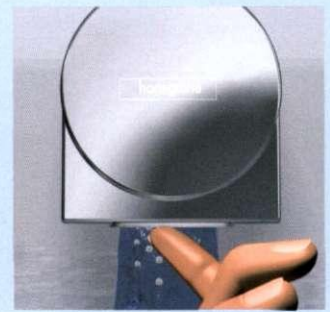
Self-cleaning screw siphon

The screw siphon can be turned and swiveled in all directions; its flow profile makes it self-cleaning.



Outlet stopper with suspension

The outlet stopper with flexible spring helps to protect from injury if one slips in the bath tub



QuickClean inlet

The inlet has a swivel range of 30° and fills the bath tub with a powerful, bubbling flood jet. Thanks to the QuickClean function, limescale can simply be rubbed away.

Flexaplus® with rigid overflow pipe

The Flexaplus waste systems equipped with a rigid overflow pipe can be cut to length, are easy to connect and suitable for bath carriers – advantages that prove their worth, particularly during installation. What makes this system attractive to everyone is the elegant matching Flexaplus S design finish set with flexible regulating element (available separately).



Basic set for standard tubs
The Flexaplus with rigid overflow pipe has a 520 mm long Bowden pull which is flexible and resistant to wear and tear. Thanks to the flat overflow housing, it is also suitable for all bath tubs.

Basic set for special tubs
58146180 (not shown)



Complete set for normal tubs
The Flexaplus with rigid overflow pipe as a complete set with handle and stopper in chrome is especially suitable for commercial and public buildings. Thanks to the flat overflow housing, it is also suitable for all bath tubs.
58148, -000

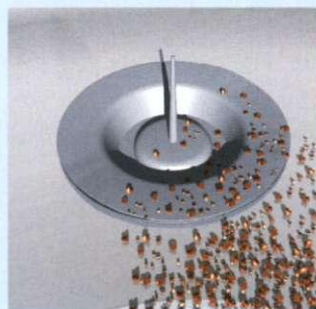


Flexaplus® S complete set for normal tubs
The complete set in minimalistic S-design.
58155, -000

Installation, cleaning and operation



Suitable for bath carriers
The 38 mm flat overflow housing is suitable for bath carriers and easy to install.



Test stopper
With the test stopper, the water tightness of the installed outlet valve is checked. In further stages of the installation it serves as protection from dirt particles until the finish set is installed.



Threefold sealing
The patented threefold seal completely covers the outlet hole in all three directions; adhesive sealant becomes superfluous.



Screw siphon
The screw siphon is able to be disassembled and can be turned and swiveled in all directions; the outlet elbow can, in conjunction with a floor outlet, be connected directly to the waste valve.



Finish sets

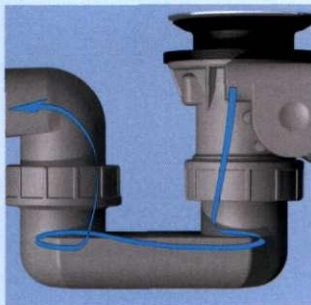
The standard finish set is available in eight surface finishes.

58185, -000, -090, -450, -800, -810, -840, -880



The new Flexaplust S finish set with overflow regulating element is available in five different surface finishes and perfectly matches all design lines by Hansgrohe and Axor. All basic and finish sets are compatible.

58186, -000, -800, -810, -820, -830, -880



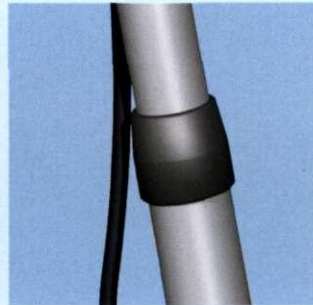
Self-cleaning screw siphon

The screw siphon cleans itself due to its flow profile.



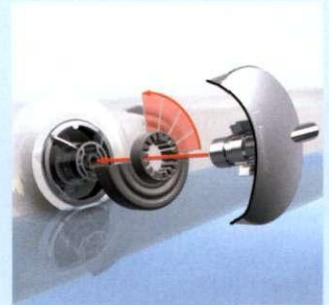
Outlet stopper with suspension

The outlet stopper with flexible spring helps to protect from injury if one slips in the bath tub.



Easy adjustment

The rigid overflow pipe can be adjusted without any problems and guarantees a good seal, also suitable for deep shower trays.



Overflow regulating element

Simply placed into the finish set during installation. With one quarter turn the stopper is closed and the overflow is brought into position.

Flexaplus® with flexible overflow hose

The Flexaplus waste system with flexible overflow hose has for many years proven its value for unusual bath tub shapes: The supple, spiral-reinforced hose and the practical snap siphon make installation extremely easy.



Basic set for standard tubs
The innovative waste system Flexaplus with flexible and robust overflow hose enables a simple and time saving installation. The 520 mm long Bowden pull is flexible and resistant to wear and tear.
Basic set for special tubs
58141180 (not shown)



Complete set for standard tubs
As a complete set, the Flexaplus with flexible overflow hose and with handle and stopper in chrome is especially suitable for commercial and public buildings.
58143, -000



Complete set for standard tubs
The complete set in minimalistic S-design.
58150, -000

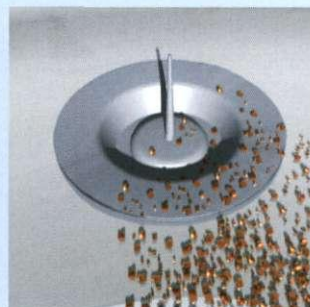
Installation, cleaning and operation



For bath tubs
The flexible overflow hose with chemical resistant polypropylene adjusts to each tub without being too long and guarantees a good seal.



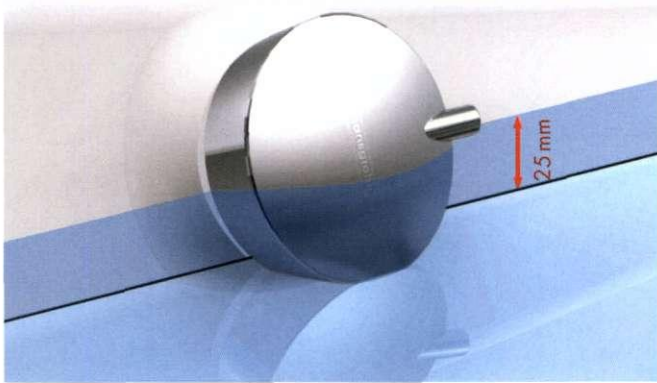
For shower trays
Enables, even with deep shower trays, a fast installation without the overflow hose being too long.



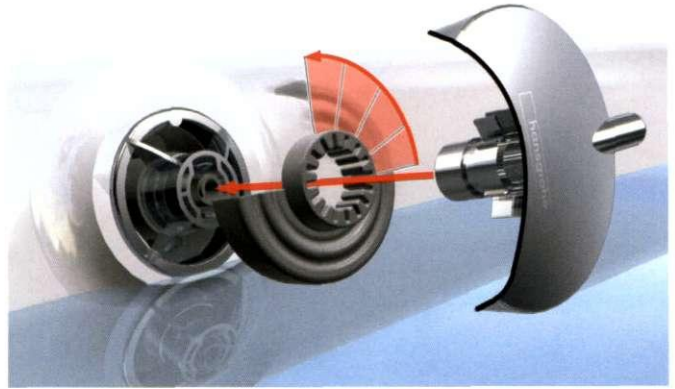
Test stopper
With the test stopper, the water tightness of the installed outlet valve is checked. In further stages of the installation it serves as protection from dirt particles until the finish set is installed.



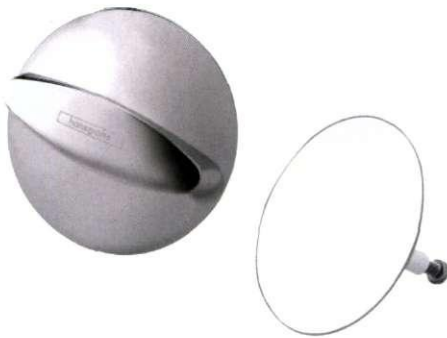
Snap siphon
The pre-installed snap siphon can be turned and swiveled in all directions; thanks to the reduced installation height it allows a fast and easy installation.



The Flexaplus S design finish set with integrated overflow regulating element provides abundant bathing pleasure even in the smallest tub, allowing the water level to be raised by up to 25 mm.



When installing, the overflow regulating element is simply placed into the finish set in the desired position. With one quarter turn the stopper is closed and the overflow is brought into position for the regulation of the water level. This customized adjustment means that it can be used on almost any tub.



Finish sets

The standard finish set is available in seven surfaces.
58185, -000, -090, -450, -800, -810, -840, -880



The new Flexaplus® S finish set with overflow regulating element is available in six different surfaces and perfectly matches all Hansgrohe and Axor design lines. All basic and finish sets are compatible.
58186, -000, -800, -810, -820, -830, -880



Self-cleaning snap siphon
The snap siphon cleans itself due to its flow profile.



Smooth hose inside
The flexible overflow hose is spiralreinforced on the outside and smooth inside in order to discourage dirt from settling.



Outlet stopper with suspension
The outlet stopper with flexible spring helps to protect from injury if one slips in the bath tub.

Raindrain® 90 XXL

Whether it is the Rainmaker, Rainfall or a shower family – high-flow showers call for high performance waste systems. The Raindrain 90 XXL is the ideal problem solver. Thanks to its wave-shaped design, it increases the flow speed of the water and achieves a flow rate of 51 l/min – one of the most impressive drain capacities on the market. A positive side effect: the fast flowing water reliably rinses off dirt, providing overall carefree shower fun.



Raindrain® 90 XXL
basic set
60065180



Raindrain® 90 XXL
complete set
60067, -000

Installation, cleaning and operation



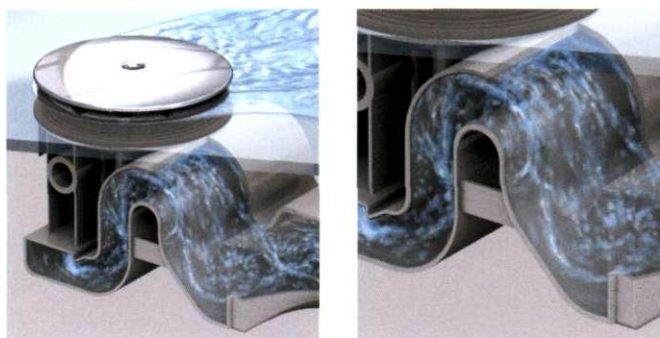
Exceptional drain performance
With a drain performance of 51 l/min, Raindrain 90 XXL is the optimal solution for all highflow shower systems. The flow capacity is measured according to DIN EN 274 (1-3).



Triple screw installation
The drain is simply screwed on from above, for ease of installation.



Threefold sealing
The threefold seal completely covers the outlet hole in all three directions.

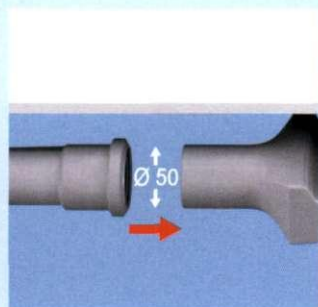


Raindrain® 90 XXL
 finish set
 # 60066, -000, -450, -800,
 -810, -820, -830, -880

Raindrain® 90 XXL. The wave in the pipe makes all the difference:
 With Raindrain 90 XXL, large amounts of water disappear in a flash.



Self-cleaning siphon
 Due to its flow profile and accelerated flow speed the siphon cleans itself. In addition, the integrated revision plug provides access to the drain pipe.



Sliding socket
 Thanks to a sliding socket, 50 mm in diameter, the Raindrain can be easily connected to the pipe system.

Staro®

Whether it is a small or large drain hole, a raised rim or a completely flat shower tray – Staro provides the optimal waste system for any shower.



Basic set Starolift® '52
This waste system is suitable for shower trays with a waste outlet diameter of 52 mm.
60052180



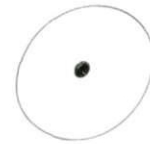
Finish set Starolift® '52
The set consists of a telescopic upright pipe and a detachable cover plate with ventilation hole; available in seven surfaces.
60053, -000, -450, -800, -810, -820, -830, -880



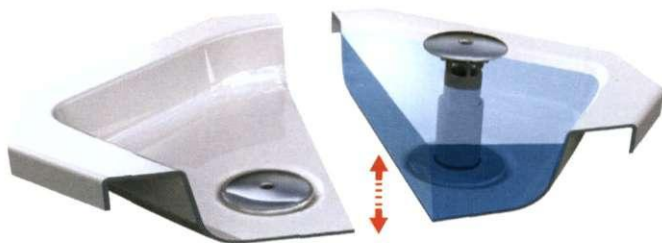
Complete '52
Staro '52 is suitable for shower trays with a waste outlet diameter of 52 mm; the set contains a cover plate in chrome with ventilation hole.
60060, -000



Basic set Staro® '90
This waste system with high through-flow volume is suitable for shower trays with a waste outlet diameter of 90 mm.
60054180



Finish set Staro® '90
The ventilation hole in the stopper encourages an efficient flow profile. The colour set can be easily exchanged and is available in six surfaces.
60055, -000, -450, -800, -810, -820, -830, -880



Starolift® '52
By pulling out the telescopic upright pipe at the outlet, the water in the shower tray can be filled up to a maximum height of 80 mm.

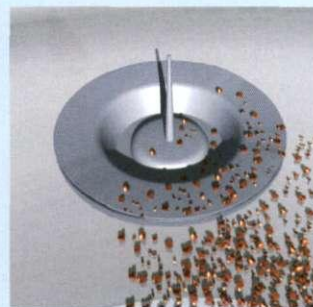
Installation, cleaning and operation



Installation height and outlet elbow
An installation height of 80 mm and the angled outlet elbow guarantee simple installation. The raised upper part allows the installation in any position, even with rib-supported shower trays.



Installation support
The angled outlet elbow is an additional installation support for the upper part of the valve; the rippled seal guarantees perfect water tightness.



Test stopper
With the test stopper, the water tightness of the installed outlet valve is checked. In further stages of the installation it serves as protection from dirt particles until the finish set is installed.



Self-cleaning siphon
The siphon cleans itself due to its flow profile.

Flowstar®

Something beautiful underneath! With Flowstar, Hansgrohe provides elegant design siphons, which are also exceptionally easy to install and to clean.



Flowstar® design siphon
The elegant siphon with adjustable decorative pipe and integrated valve cover is available in six surfaces.
52100, -000, -800, -810, -820, -830, -840, -880



Flowstar® design siphon complete set
The complete set is available with either an angle valve cover # 5211 0, -000 or a cover including an angle valve # 52120, -000.



Flowstar® S design siphon
Perfectly matches the minimalist style of the Hansgrohe S faucet lines.
52105, -000



Cover cap for angle valve
For the practical and elegant covering of standard angle valves.
13950, -000, -800, -810, -820, -830, -840, -880
Including Schell angle valve # 13954, -000, -800, -810, -820, -830, -880



Flowstar® valve cover
For covering the waste valve on off-centre sets in combination with the Flowstar design siphon.
13957, -000, -800, -810, -880



Flowstar® shaft cover
For covering the fitting shaft of glass basins.
13959, -000

Installation, cleaning and operation



The user-friendly Flowstar design siphon with its different surfaces, valve covers, decorative pipe and two sets meets all needs.



Available in chrome and easy to install, the Flowstar S is the introduction to the world of the design siphon.



The practical cleaning screw not only facilitates easy cleaning, but also makes it possible to quickly find anything that has been washed away by mistake, such as jewellery. The siphon can quickly and easily be opened for cleaning with an Allen key without having to dismantle the entire siphon.

Design valves



Basin valve with closed stainless steel cover plate for basins without an overflow hole. Available in six surfaces.

50001, -000, -800, -810, -820, -830, -880



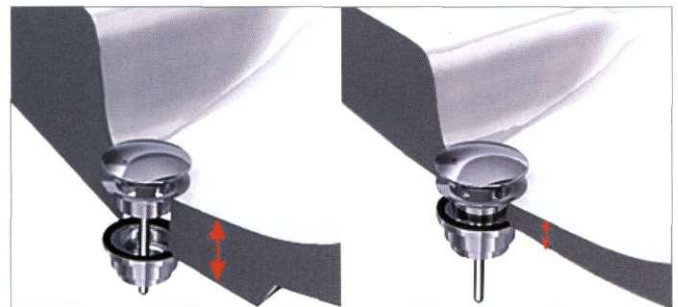
It only takes one push with the finger: operating the **Push-open basin valve** is child's play - for basins with an overflow hole.

Available in six surfaces.
50100, -000, -800, -810, -820, -830, -880

Push-Open



In combination with basin mixers without a pull rod, the puristic design makes it possible to realize a completely harmonious overall bathroom situation.



The basin valve Push-Open is suitable for basins of all different thicknesses - and is therefore suitable for a very wide range of uses.

Performance overview

BATH TUB

	Exafill® S	Flexaplust® rigid	Flexaplust® flexible
Inlet	30 l/min	-	-
Overflow	37 l/min	44 l/min	40 l/min
Outlet	53 l/min	55 l/min	55 l/min

Measured according to DIN EN 274 (1-3)

SHOWER TRAY

	Flexaplust® flexible	Starolift® 52	Staro® 90	Staro® 52	Raindrain® 90 XXL
Overflow	31 l/min	33 l/min	-	-	-
Outlet	43 l/min	33 l/min	29 l/min	33 l/min	51 l/min

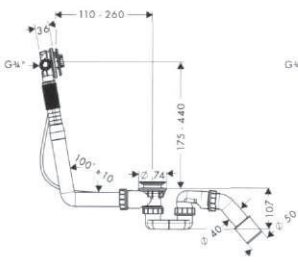
Measured according to DIN EN 274 (1-3)

BASIN

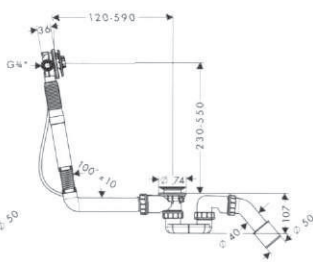
	Flowstar®	Flowstar® S	Push-Open	Basin valve
Outlet	40 l/min	40 l/min	65 l/min	60 l/min

Measured according to DIN EN 274 (1-3)

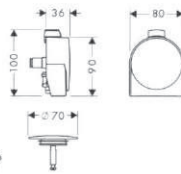
Scale drawings and product codes



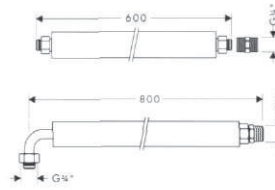
Exafill® S basic set
for standard tubs
58115180
Exafill® S complete set
for standard tubs
58113, -000 (not shown)



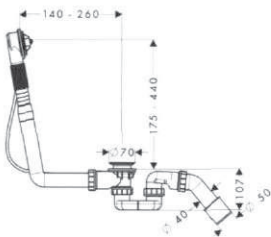
Exafill® S basic set
for special tubs
58116180



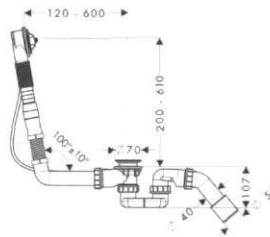
Exafill® S finish set
58117, -000, -090, -450,
-800, -810, -820, -830, -880



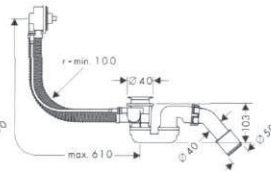
Flexible connection hose
600 mm # 58191, -000
Flexible connection hose
800 mm # 58192, -000



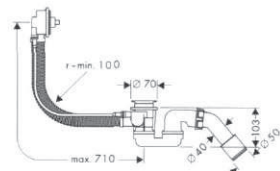
Flexaplus® rigid basic set
for standard tubs
58145180
Flexaplus® rigid complete set
for standard tubs
58148, -000 (not shown)



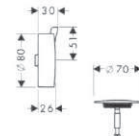
Flexaplus® rigid basic set
for special tubs
58146180
Flexaplus® S rigid complete set
for standard tubs
58155, -000 (not shown)



Flexaplus® flexible basic set
for special tubs
58140180
Flexaplus® S flexible complete set
for standard tubs
58150, -000



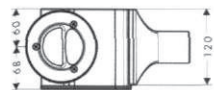
Flexaplus® flexible basic set
for special tubs
58141180
Flexaplus® flexible complete set
for standard tubs
58143, -000 (not shown)



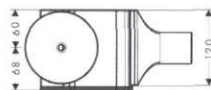
Flexaplus® S finish set
58186, -000, -800,
-810, -820, -830, -880



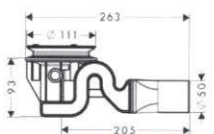
Flexaplus® complete set
58185, -000, -090, -450,
-800, -810, -840, -880



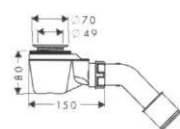
Raindrain® 90 XXL basic set
60065180



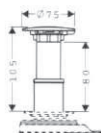
Raindrain® 90 XXL finish set
60066, -000, -450, -800,
-810, -820, -830, -880



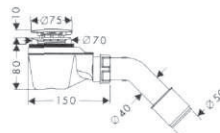
Raindrain® 90 XXL complete set
60067, -000



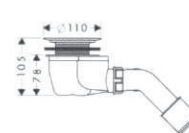
Starolift® 52 basic set
60052180



Starolift® 52 finish set
60053, -000, -450, -800,
-810, -820, -830, -880



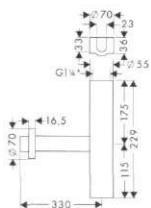
Staro® 52
60060, -000



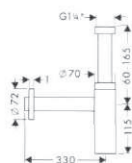
Staro® 90 basic set
60054180



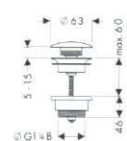
Staro® 90 finish set
60055, -000, -450, -800,
-810, -820, -830, -880



Flowstar®
52100, -000, -800, -810,
-820, -830, -840, -880



Flowstar® S
52105, -000



Push-Open
50100, -000, -800,
-810, -820, -830, -880



Basin valve with closed cover plate
50001, -000, -800, -810, -820, -830, -880

Please always include the surface number with every order number: -000 Chrome, -090 Chrome/Gold, -420 Platinum, -450 White, -800 Stainless Steel, -810 Satinox, -840 Brass, -880 Satin Chrome.

Since the introduction of the first drainage and overflow set in 1934, Hansgrohe has continuously introduced new and innovative waste systems which have convinced the bathroom industry as well as shower and bath lovers. With Raindrain, Hansgrohe continues this tradition, setting new standards in drain performance and speed.

This guide gives you a tour of the current Hansgrohe range of waste systems, and explains the technical features and constructive advantages of each system.

We invite you to visit www.hansgrohe.co.uk to download further technical product information.



Hansgrohe · Units D1 and D2 · Sandown Park · Trading Estate · Royal Mills · Esher KT10 8BL · Surrey
Tel: +44/(0) 844 463 7063 · Fax: +44/(0) 844 463 7064
e-mail: info@hansgrohe.co.uk · internet: www.hansgrohe.co.uk



4

GB/en-Waste Technology · Subject to technical alterations and colour differences due to the printing process.
Form-Nr. 84.090.298 · 04/08/3 · Printed in Germany Printed on 100% chlorine free bleached paper · MRH, Freiburg