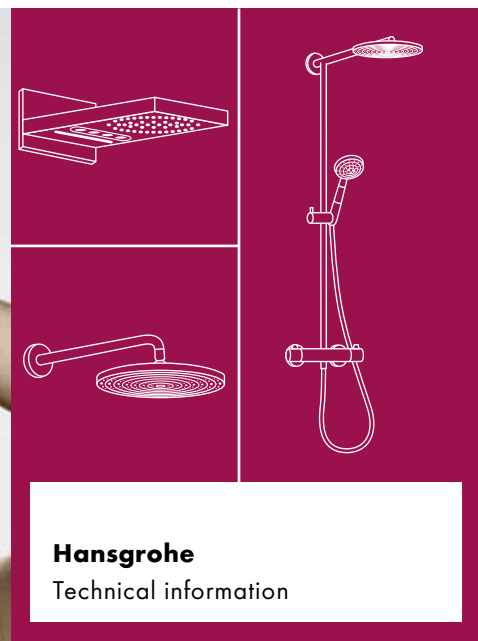




Hansgrohe
Technical information

Planning and installation

Overhead showers and shower systems





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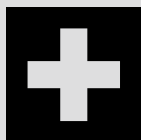
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Hansgrohe for Professionals

We are partners

Hansgrohe supports the professional partners through a wide range of services.

Make sure to benefit from our comprehensive knowledge.



Find out more on our website:
pro.hansgrohe-int.com



Hansgrohe for
Professionals
Shower technology

Innovations for extraordinary shower pleasure

Showering is much more than just a question of hygiene. With Hansgrohe shower systems, it becomes an experience. Our overhead showers and shower systems combine design excellence with technologies that make our products the most innovative on the market. This brochure offers you all the relevant information for the planning and installation of the shower systems presented here.

Ground-breaking Hansgrohe shower technologies – greater shower pleasure for your customers



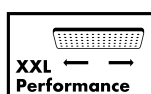
AirPower: Our AIR technology mixes water with air, just as in nature. This not only creates the effect of a rain shower, but also reduces water consumption. At the same time, the volume of water in the shower seems much greater.



QuickClean: No more limescale or other deposits: our QuickClean surfaces can be cleaned with a simple rubbing motion. This prevents the jets from clogging up, and keeps the showers looking like new – for years to come.



ComfortZone: Our trend-setting ergonomic concept permits comfortable operation of the mixers, while protecting against extreme temperatures.



XXL Performance: Hansgrohe started the trend towards larger showers. We were one of the first manufacturers to introduce extra-large showers with excellent spray quality that offer extraordinary shower pleasure.



EcoSmart: The innovative combination of flow limitation, special spray jets, and the mixture of water and air reduces the water consumption of showers and basin mixers.

In this brochure, EcoSmart versions are marked with a drop symbol.



Shower pleasure has many faces

The Hansgrohe world of shower systems offers the perfect solution for each of your customers: from Showerpipes as a simple exposed installation (ideal for quick bathroom renovations) to overhead showers with one, two or three spray modes or an extra-large spray surface, all the way to high-end installations with additional invigorating side showers.

In this brochure you will find all the necessary technical information for working with shower systems: measurements, flow rate charts, planning and installation instructions as well as useful tips from our technicians.



1-spray shower systems; Example: Raindance® S 240 AIR overhead shower with Raindance® S 100 AIR 3jet hand shower, page 8–13



2-spray shower systems; Example: Raindance® E 420 AIR 2jet overhead shower with PuraVida® 150 3jet hand shower, page 14–17



Product variations



3-spray shower systems; Example: Raindance® Rainfall® 3jet overhead shower with Raindance® S 100 AIR 3jet hand shower, page 18–23



3-spray shower systems; Example: Raindance® Rainmaker® AIR overhead shower with Raindance® S 150 AIR 3jet hand shower, page 24–31



3-spray shower systems with side showers; Example: Raindance® Rainmaker® with Raindance® S 150 AIR 3jet hand shower, page 32–33



Shower systems for exposed installation, ideal for renovation purposes; Example: Raindance® Showerpipe 240, page 34–45







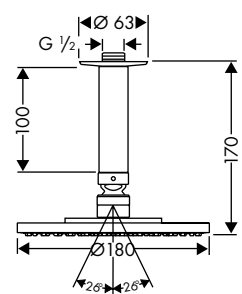


1-spray overhead showers

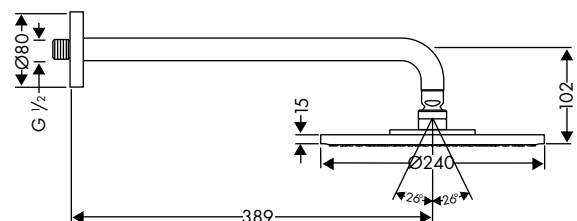
System 1: 1-spray overhead showers

Like showering in rain: Raindance AIR plate overhead showers release a particularly lavish spray of water that feels just like a natural rain shower. They are available in different versions: as a super-slim model, in the Style version or with a more elaborate appearance in the Classic version. The 1-spray shower range is available in diameters of 180 to 350 mm for ceiling or wall installation. The rectangular E-models are available up to a width of 420 mm. A truly royal experience is promised by the Raindance AIR Royale. Made from solid metal and crafted by expert hands, it offers you an incredible diameter of 350 mm.

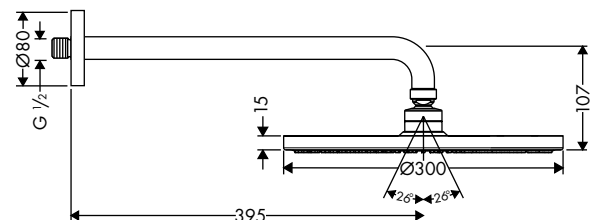
Raindance® S 180 AIR overhead shower



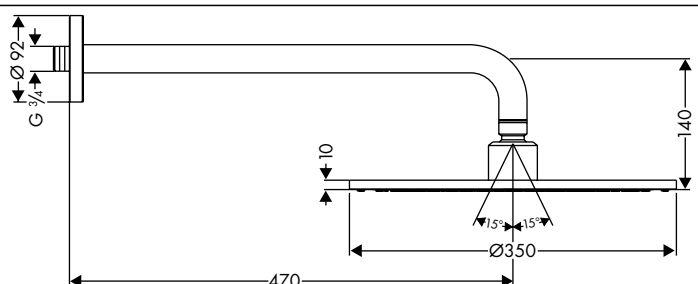
Raindance® S 240 AIR overhead shower



Raindance® S 300 AIR overhead shower



Raindance® Royale S 350 AIR overhead shower

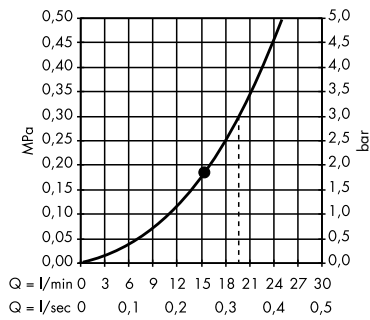


Raindance® S 240 overhead shower

Flow rate chart

27474000

Raindance AIR Ø 240 mm overhead shower



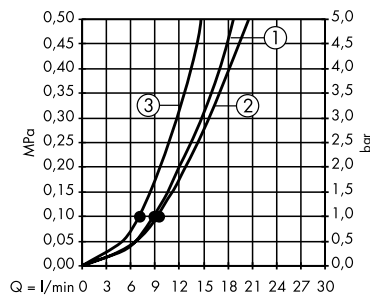
Key

overhead shower

Flow rate chart

28504000

Raindance S 100 AIR 3jet hand shower



Key

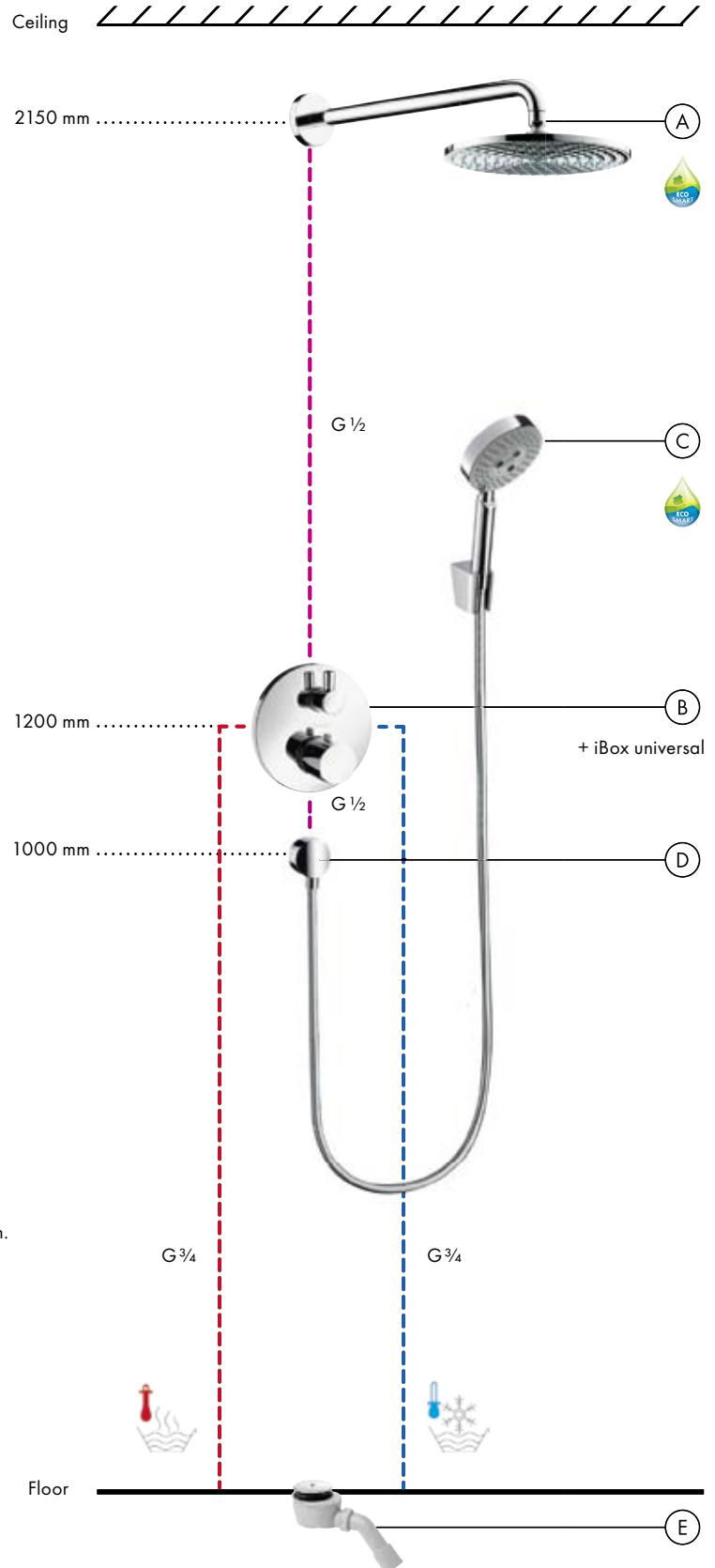
- ① Rain AIR
- ② Mix AIR
- ③ Whirl AIR

Function guaranteed from • onwards.

Components

- Ⓐ 1x # 27474000
Raindance AIR Ø 240 mm
overhead shower
- Ⓑ 1x # 15721000 Ecostat S
thermostat with shut-off/
diverter valve
1x # 01800180
iBox universal basic set
- Ⓒ 1x # 28504000 Raindance
S 100 AIR 3jet hand shower
1x # 28331000 Porter S
shower support
1x # 28276000 Isiflex
shower hose 1.60 m
- Ⓓ 1x # 27453000 Fixfit E
hose connection
- Ⓔ 1x # 60056000 Staro 90
waste set

Products Ⓐ and Ⓒ are also
available in an EcoSmart version.





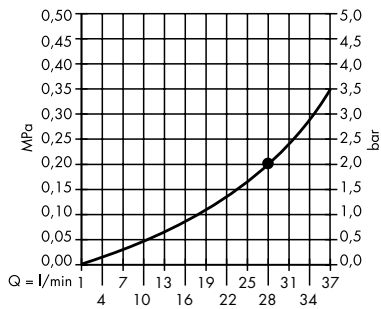
1-spray overhead showers

Raindance® Royale 350 overhead shower

Flow rate chart

28420000

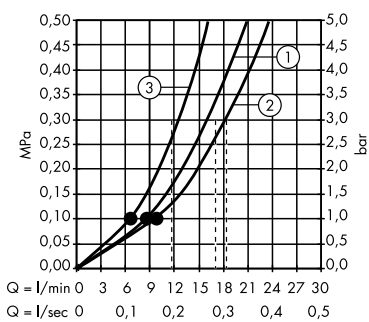
Raindance Royale AIR overhead shower



Flow rate chart

27893000

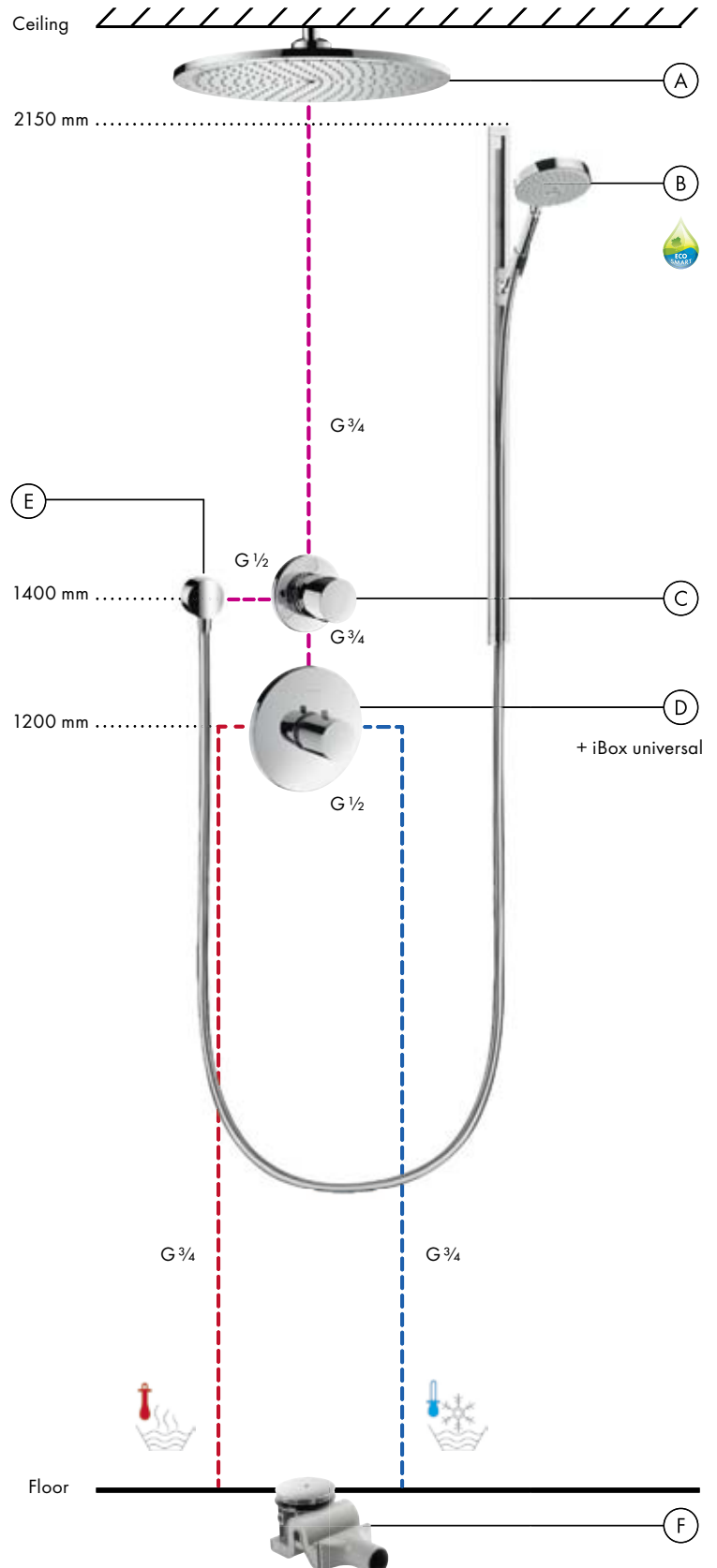
Raindance Unica'S Set 0,90 m



Function guaranteed from • onwards.

Components

- | | |
|---|--|
| <p>Ⓐ 1x # 2842000
Raindance Royale AIR
Ø 350 mm overhead shower</p> | <p>Ⓔ 1x # 27453000 Fixfit S
hose connection</p> |
| <p>1x # 27418000 Ceiling
connector 100 mm</p> | <p>Ⓕ 1x # 60067000 Raindrain
90 XXL waste set</p> |
| <p>Ⓑ 1x # 27893000 Raindance
Unica'S Set 0.90 m</p> | <p>Product Ⓑ is also available in
an EcoSmart version.</p> |
| <p>Ⓒ 1x # 15932000 Trio S
shut-off/diverter valve
1x # 15981180 Trio basic set</p> | |
| <p>Ⓓ 1x # 15715000 Ecostat S
Highflow thermostat
1x # 01800180
iBox universal basic set</p> | |





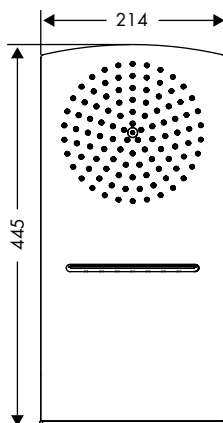
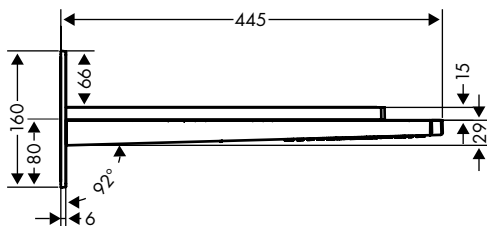


2-spray overhead showers

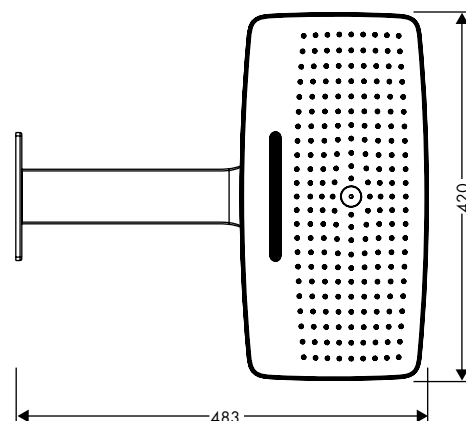
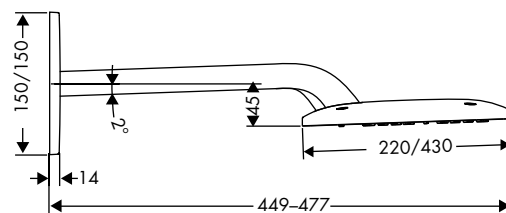
System 2: 2-spray overhead showers

Elegance and ergonomics: The Rainfall 180 2jet and Raindance E 420 2jet overhead showers with two spray modes are ideal components for a sophisticated shower system. The compact Rainfall 180 2jet overhead shower exudes timeless elegance, while the width of the Raindance E 420 2jet overhead shower was designed to completely cascade around your shoulders. Both overhead showers offer the choice between the lavish Rain AIR function and the invigorating water fall of the Rainflow flood jet.

Raindance® Rainfall® 180 2jet overhead shower



Raindance® E 420 AIR 2jet overhead shower

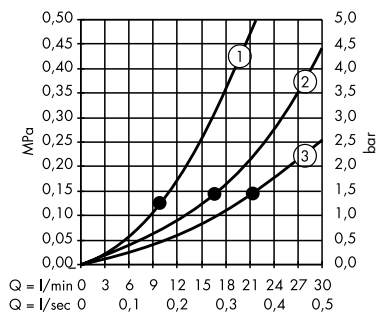


Raindance® Rainfall® 180 2jet overhead shower

Flow rate chart

28433000

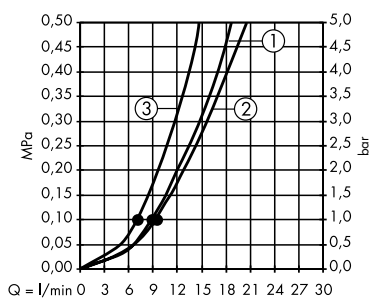
Raindance Rainfall overhead shower



Flow rate chart

28504000

Raindance S 100 AIR 3jet hand shower

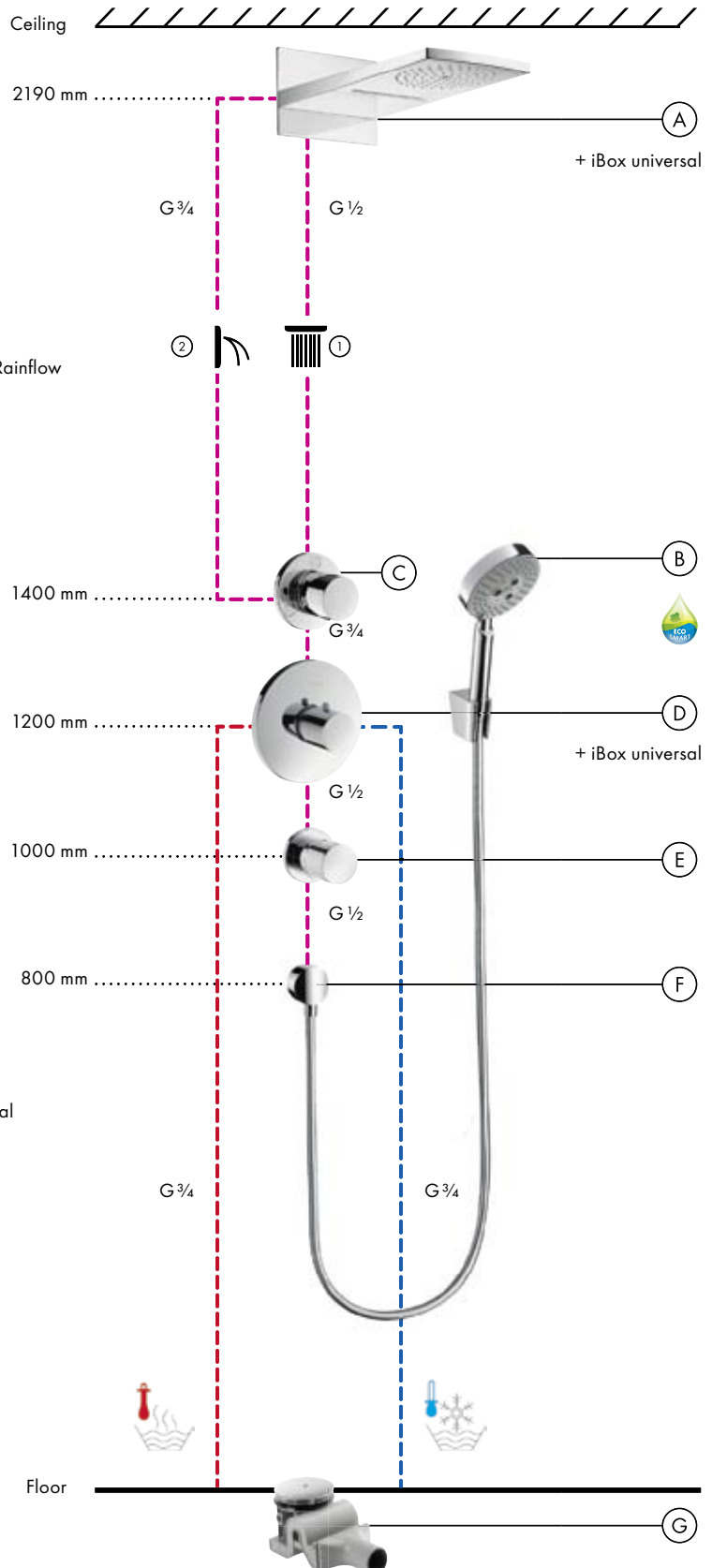


Function guaranteed from • onwards.

Components

- | | |
|--|---|
| <p>Ⓐ 1x # 28433000
Raindance Rainfall 180 2jet overhead shower
1x # 01800180
iBox universal basic set</p> | <p>Ⓓ 1x # 15715000 Ecostat S
Highflow thermostat
1x # 01800180 iBox universal basic set</p> |
| <p>Ⓑ 1x # 28504000
Raindance S 100 AIR 3jet hand shower
1x # 28331000 Porter S shower support
1x # 28276000 Isiflex shower hose 1.60 m</p> | <p>Ⓔ 1x # 15972000 Shut-off valve S
1x # 15974180 Shut-off valve basic set</p> |
| <p>Ⓒ 1x # 15932000 Trio S shut-off/diverter valve
1x # 15981180 Trio basic set</p> | <p>Ⓕ 1x # 27453000
Fixfit S hose connection
Ⓖ 1x # 60067000 Raindrain 90 XXL waste set</p> |

Product Ⓑ is also available in an EcoSmart version.





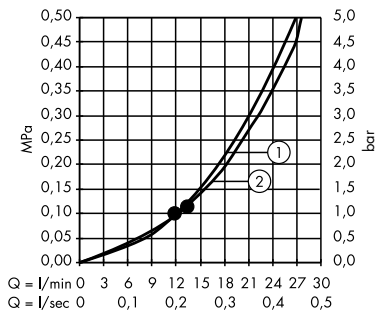
2-spray overhead showers

Raindance® E 420 AIR 2jet overhead shower

Flow rate chart

27373000

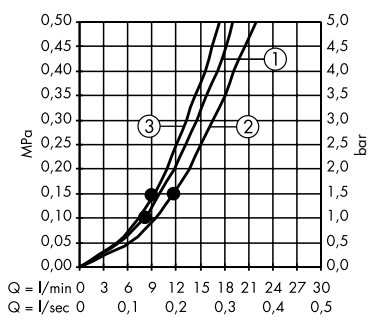
Raindance E 420 AIR 2jet overhead shower



Flow rate chart

28557000

PuraVida 150 3jet hand shower



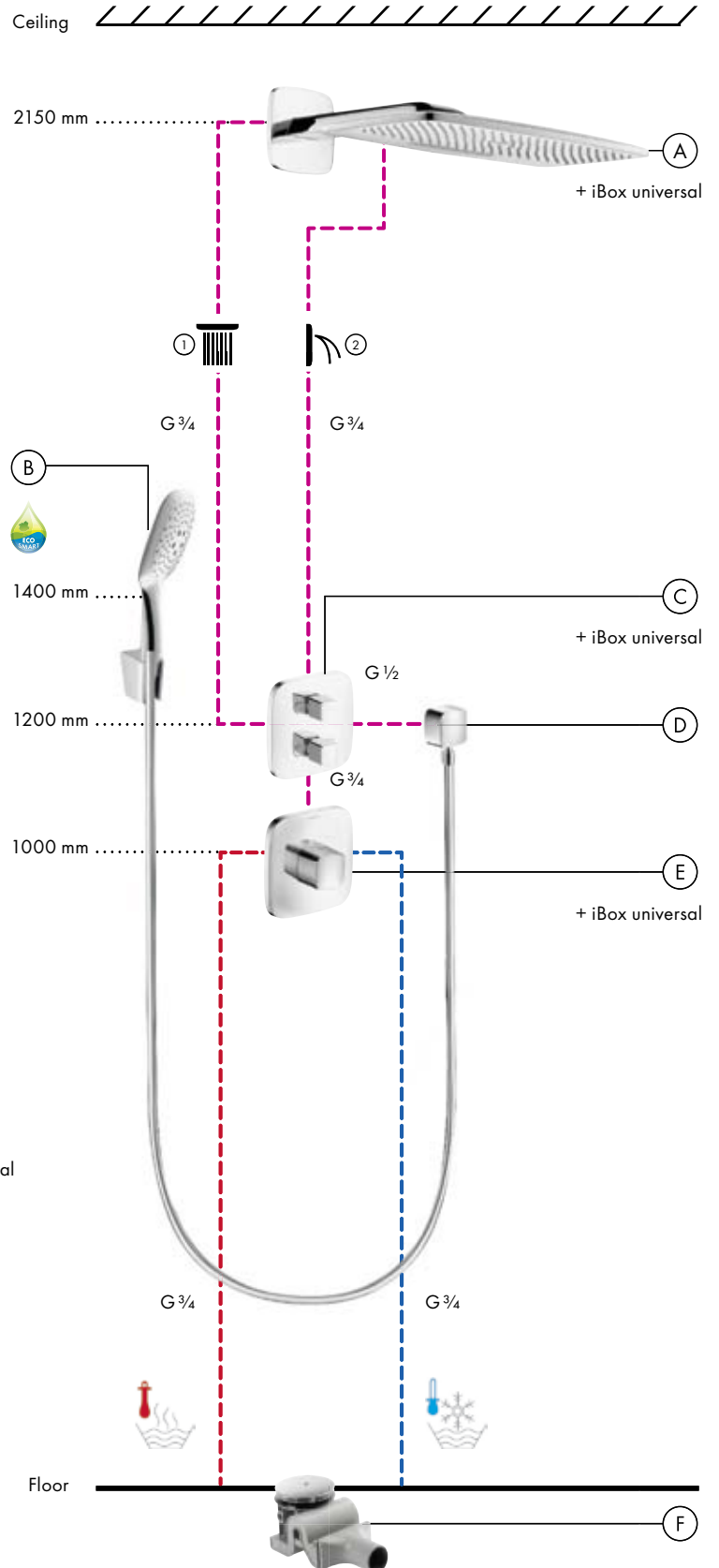
Function guaranteed from • onwards.

Components

- Ⓐ 1x # 27373000
Raindance E 420 AIR 2jet
overhead shower
1x # 01800180
iBox universal basic set
- Ⓑ 1x # 28557000
PuraVida 150 3jet hand
shower
1x # 28331000 Porter S
shower support
1x # 28276000 Isiflex
shower hose 1.60 m
- Ⓒ 1x # 15777000 iControl
shut-off/diverter valve
for PuraVida
1x # 01800180 iBox
universal basic set

- Ⓓ 1x # 27414000 Fixfit hose
connection for PuraVida
- Ⓔ 1x # 15772000 Highflow
thermostat for PuraVida
1x # 01800180 iBox universal
basic set
- Ⓕ 1x # 60067000 Raindrain
90 XXL waste set

Product Ⓑ is also available in
an EcoSmart version.



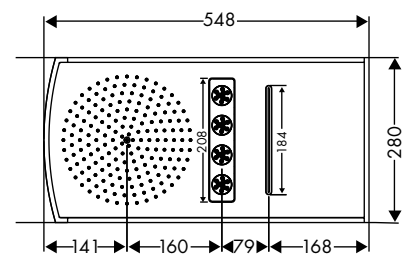




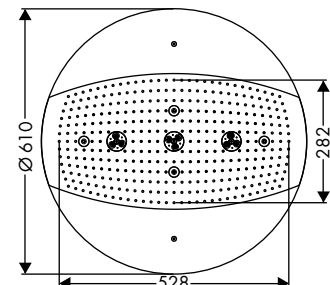
System 3: 3-spray overhead showers

Variety for body and soul: From here on, shower pleasure becomes pure luxury. Our shower systems with 3-spray overhead showers captivate with their unique appearance, all-round shower pleasure and easy operation. The Raindance Rainfall is installed flush with the wall and reaches well into the room. It offers great experience with three spray modes (Rain AIR, Whirl AIR and Rainflow). The Raindance Rainmaker represents showering in even larger dimensions: it is installed flush with the ceiling, creating a completely new and extremely generous sense of space. It is available both in a rectangular and a round version and can also be equipped with lighting.

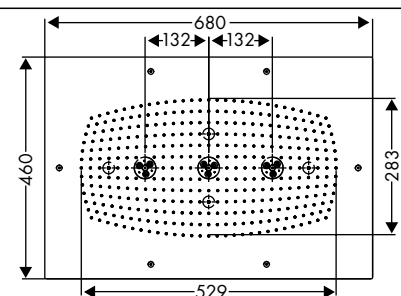
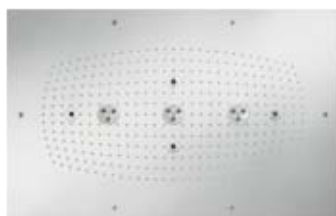
Raindance® Rainfall® 3jet overhead shower



Raindance® Rainmaker® AIR overhead shower



Raindance® Rainmaker® AIR overhead shower



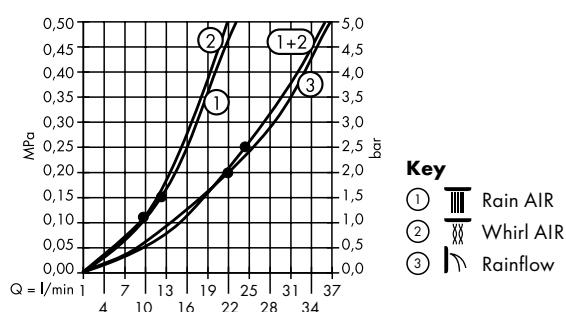
Raindance® Rainfall® overhead shower

iControl® mobile

Flow rate chart

28411000

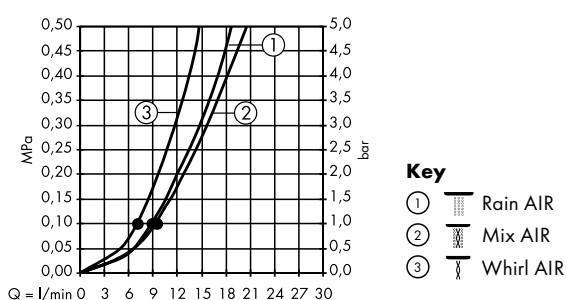
Raindance Rainfall overhead shower



Flow rate chart

28504000

Raindance S 100 AIR 3jet hand shower

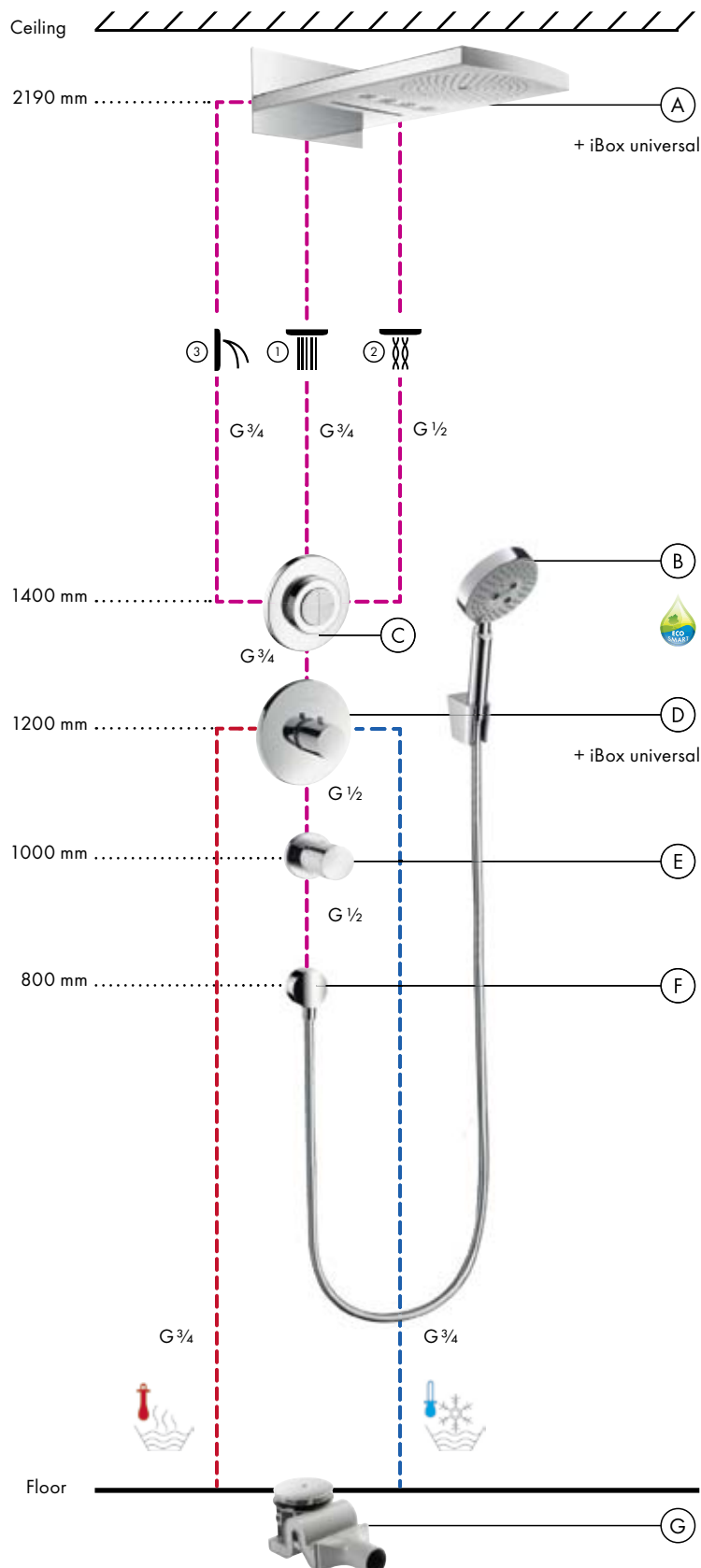


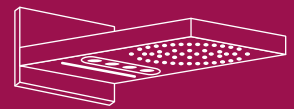
Function guaranteed from • onwards.

Components

- | | |
|--|--|
| <p>Ⓐ 1x # 28411000 Raindance Rainfall overhead shower</p> <p>1x # 01800180 iBox universal basic set</p> | <p>Ⓓ 1x # 15715000 Ecostat S Highflow thermostat</p> <p>1x # 01800180 iBox universal basic set</p> |
| <p>Ⓑ 1x # 28504000 Raindance S 100 AIR 3jet hand shower</p> <p>1x # 28331000 Porter S shower support</p> <p>1x # 28276000 Isiflex shower hose 1.60 m</p> | <p>Ⓔ 1x # 15972000 Shut-off valve S</p> <p>1x # 15974180 Shut-off valve basic set</p> |
| <p>Ⓒ 1x # 15942000 iControl mobile shut-off/diverter valve</p> <p>1x # 15941180 iControl mobile basic set</p> | <p>Ⓕ 1x # 27453000 Fixfit S hose connection</p> <p>Ⓖ 1x # 60067000 Raindrain 90 XXL waste set</p> |

Product Ⓑ is also available in an EcoSmart version.





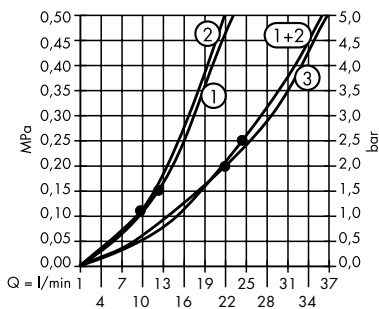
3-spray overhead showers

Raindance® Rainfall® overhead shower

Flow rate chart

28411000

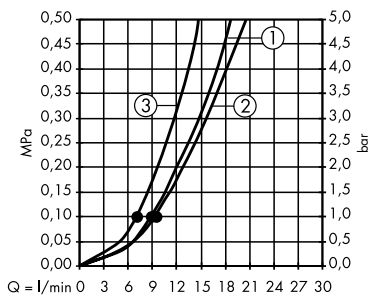
Raindance Rainfall overhead shower



Flow rate chart

28504000

Raindance S 100 AIR 3jet hand shower

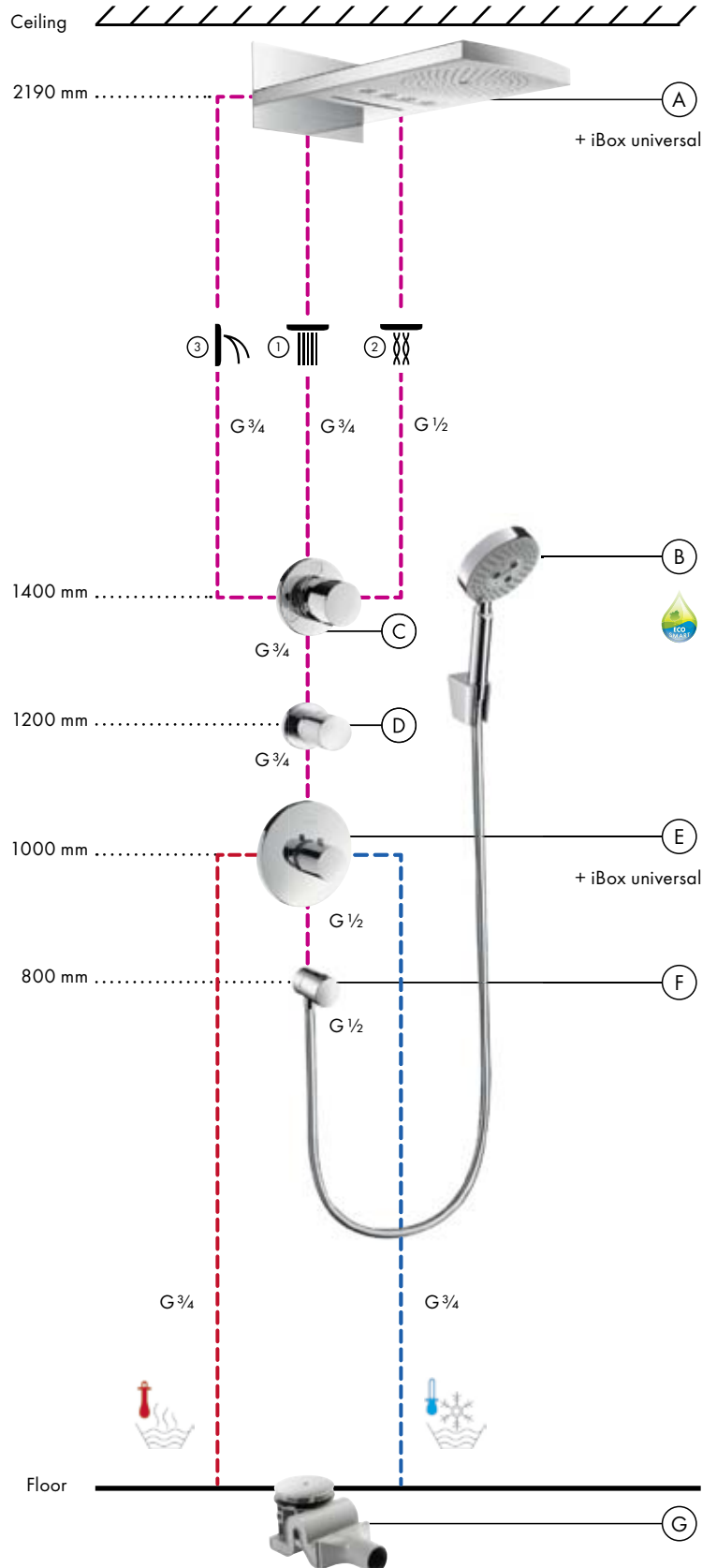


Function guaranteed from • onwards.

Components

- | | |
|---|---|
| Ⓐ 1x # 28411000
Raindance Rainfall
overhead shower
1x # 01800180
iBox universal basic set | Ⓓ 1x # 15972000 Shut-off
valve S
1x # 15970180 Shut-off
valve basic set |
| Ⓑ 1x # 28504000
Raindance S 100 AIR 3jet
hand shower
1x # 28331000 Porter S
shower support
1x # 28276000 Isiflex
shower hose 1.60 m | Ⓔ 1x # 15715000 Ecostat S
Highflow thermostat
1x # 01800180
iBox universal basic set |
| Ⓒ 1x # 15932000 Quattro S
diverter valve
1x # 15930180 Quattro
basic set | Ⓕ 1x # 38882000 Fixfit Stop
hose connection
Ⓖ 1x # 60067000 Raindrain
90 XXL waste set |

Product Ⓑ is also available in
an EcoSmart version.



Wall installation

1. iBox universal as a basic set

The versatile iBox universal concealed installation unit is also used with the overhead shower, providing a rapid and professional installation of the Raindance Rainfall. Considering the exceptional length and weight of this overhead shower, the iBox universal ensures that the Raindance Rainfall is securely mounted and sits perfectly on the wall (product not included in delivery).

Attention: The net weight of the shower without water is 12 kg. Please ensure sufficient wall reinforcement at point of installation!

To direct the water coming from the three G ½ feed pipes to the three shower functions, a fixing aid is needed at the shower – sitting directly on the iBox universal. This solid brass function block integrates the three brass pipes which ensure the stable mounting of the shower.

Another brass pipe is screwed into the fourth (upward-pointing) opening of the iBox universal and attached to the wall with an ordinary pipe clamp, providing additional stability. The middle feed pipe is also secured with a clamp.

The pre-assembled overhead shower panel, including the pre-attached wall escutcheon, is placed over the three shower arms and screwed on at the sides. Finished!

Attention: The shower has to be installed, rinsed and checked in compliance with the applicable regulations in order to guarantee a proper shower function!

Plumbing installation

2. Hot water supply

The dimensions of the shower set-up must be individually established according to personal shower preferences, frequency of usage and the number of desired shower functions. Recommended operating pressure: 3 bar pressure. Hot water temperature: max. 60°C. Recommendation: the storage tank should hold at least 300 litres.

Note: This product cannot be used in combination with continuous flow water heaters. Large differences in pressure between the cold and hot water outlets must be balanced.

3. Feed pipes

iBox universal: 2 x G ¾ (hot/cold)

Rainfall: 3 x G ½ (mixed water)

4. Concealed thermostat on iBox universal base
15715000 concealed thermostat with increased flow capacity and cylindrical handle not included in delivery. Flow rate 58 l/min at 3 bar.

01800180 iBox universal not included in delivery!

Further options for finish sets (see Product Overview Basic and Finish Sets) and custom-made surfaces are available on request.

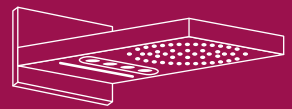
5. Shut-off valves G ¾ with cylindrical handle

Not included in delivery!

15970180 Basic Set G ¾ (spindle) for concealed installation, flow rate 130 l/min at 3 bar

15972000 Finish Set Shut-off valve





3-spray overhead showers

6. Quattro Diverter Valve G^{3/4} with cylindrical handle

Not included in delivery!

For the easy operation of all three functions:

15930180 Basic Set G^{3/4} with ceramic discs for

concealed installation, flow rate 65 l/min at 3 bar

15932000 Quattro diverter finish set

7. Shut-off valve G^{1/2} with cylindrical handle

Shut-off valve for hand shower

38882000 Hose connector Fixfit Stop

8. Drain

Floor drain (without shower tray):

Raindrain 90 XXL

Drain capacity 51 l/min (damming height 15 mm)

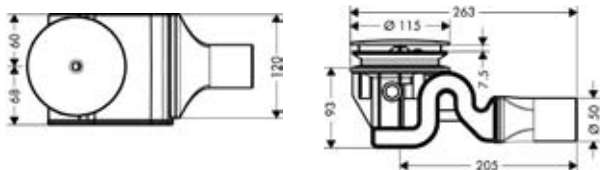
complies with DIN 1247 1-3.



Raindrain 90 XXL Complete Set

60067000

Attention: The drain capacity must be greater than 50 l/min



Product description and technical data

Raindance Rainfall overhead shower # 28411000

Includes:

Pre-assembled overhead shower panel with three shower functions for wall mounting

1 x Raindance Rainfall overhead shower

Including wall escutcheon

1 x Function block with three shower arms
(for mounting on the iBox universal)

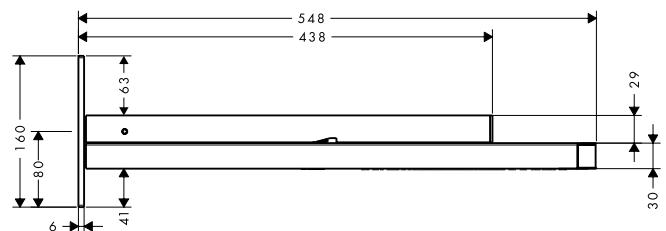
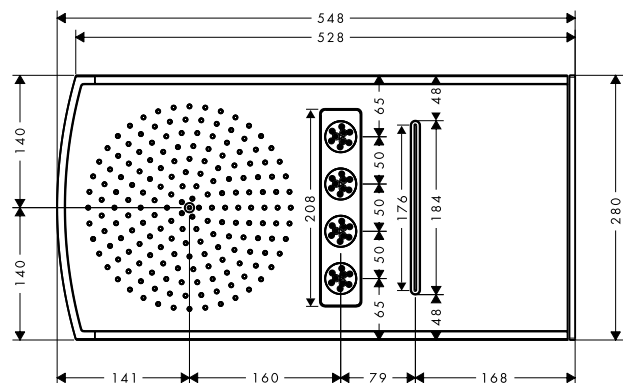
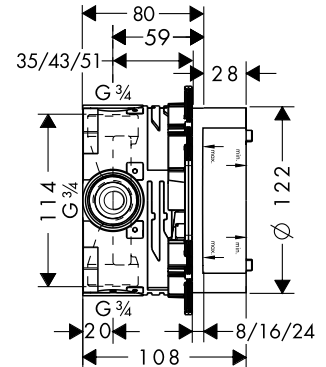
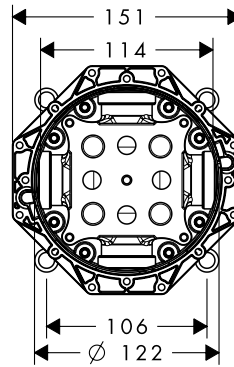
- chromed brass housing and spray disc
- chromed metal wall escutcheon

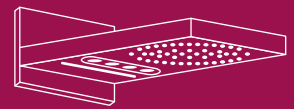
240 mm Raindance overhead shower with AIR function for soft, voluminous rain drops and tried-and-tested QuickClean cleaning function.

Wide flood jet (hot or cold water) with high flow capacity for a completely new, natural shower experience.

Three spray modes:

- 1 Rain AIR: Large overhead shower 240 mm
- 2 Whirl AIR: 4 nozzles with rotating massage jets
- 3 Rainflow: Wide flood jet



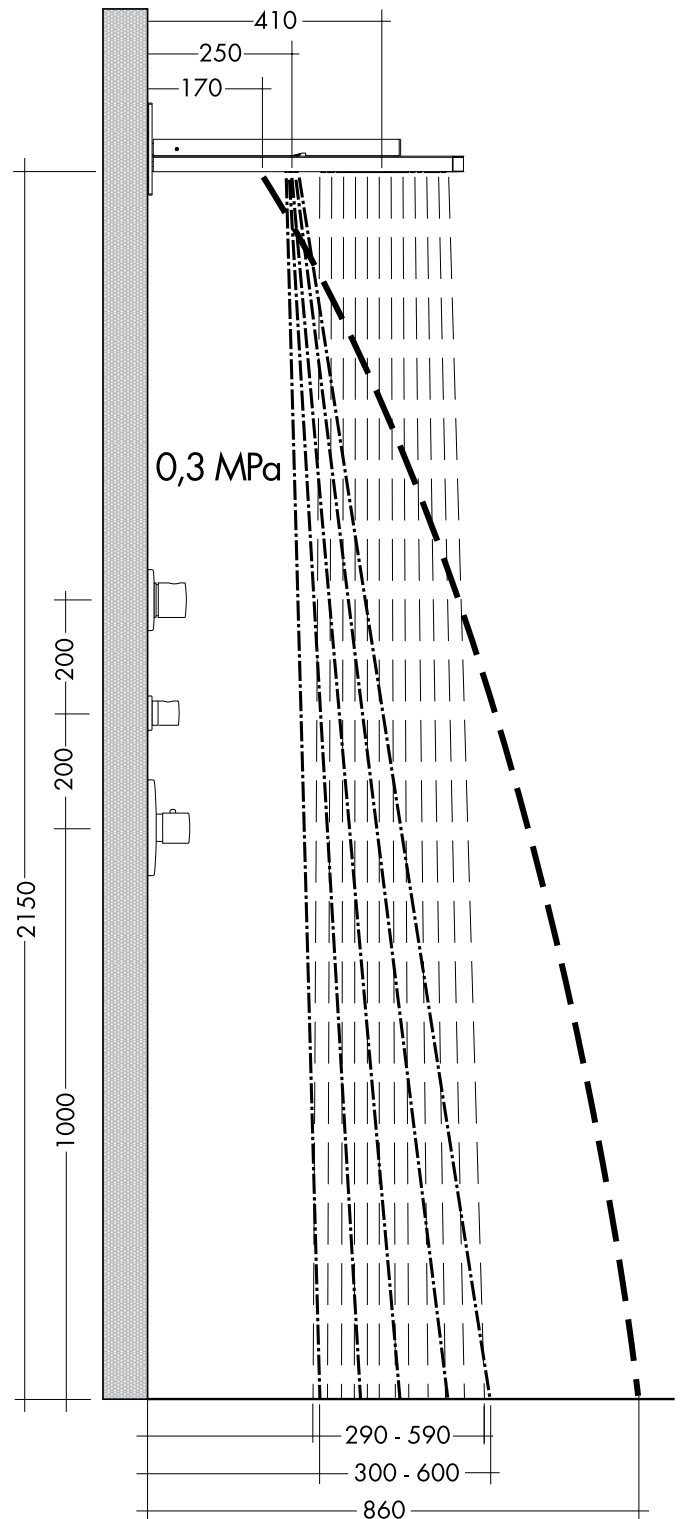
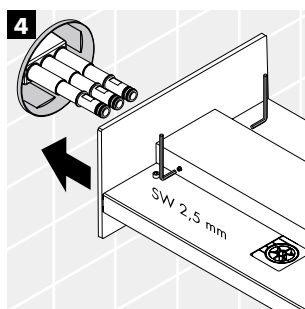
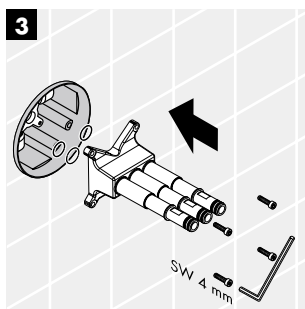
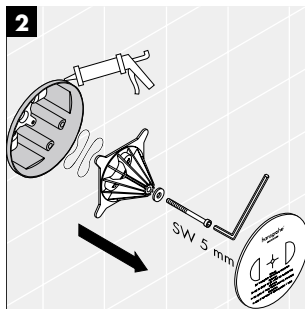
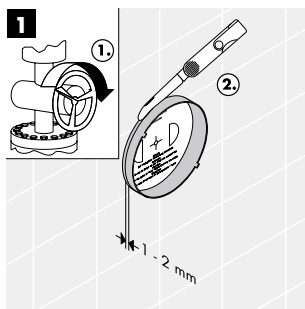


3-spray overhead showers

Installation

Installation

In your planning, please consider the size and layout of the shower cubicle and the spray angles of the individual spray modes.

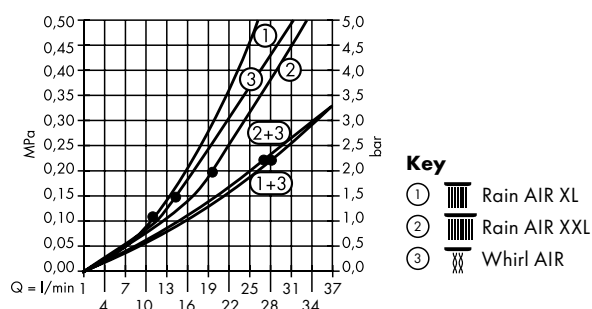


Raindance® Rainmaker® round overhead shower

Flow rate chart

28403000

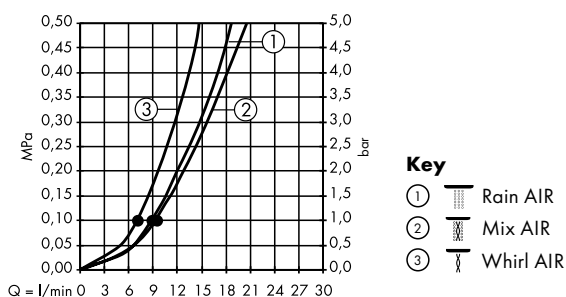
Raindance Rainmaker overhead shower



Flow rate chart

28504000

Raindance S 100 AIR 3jet hand shower

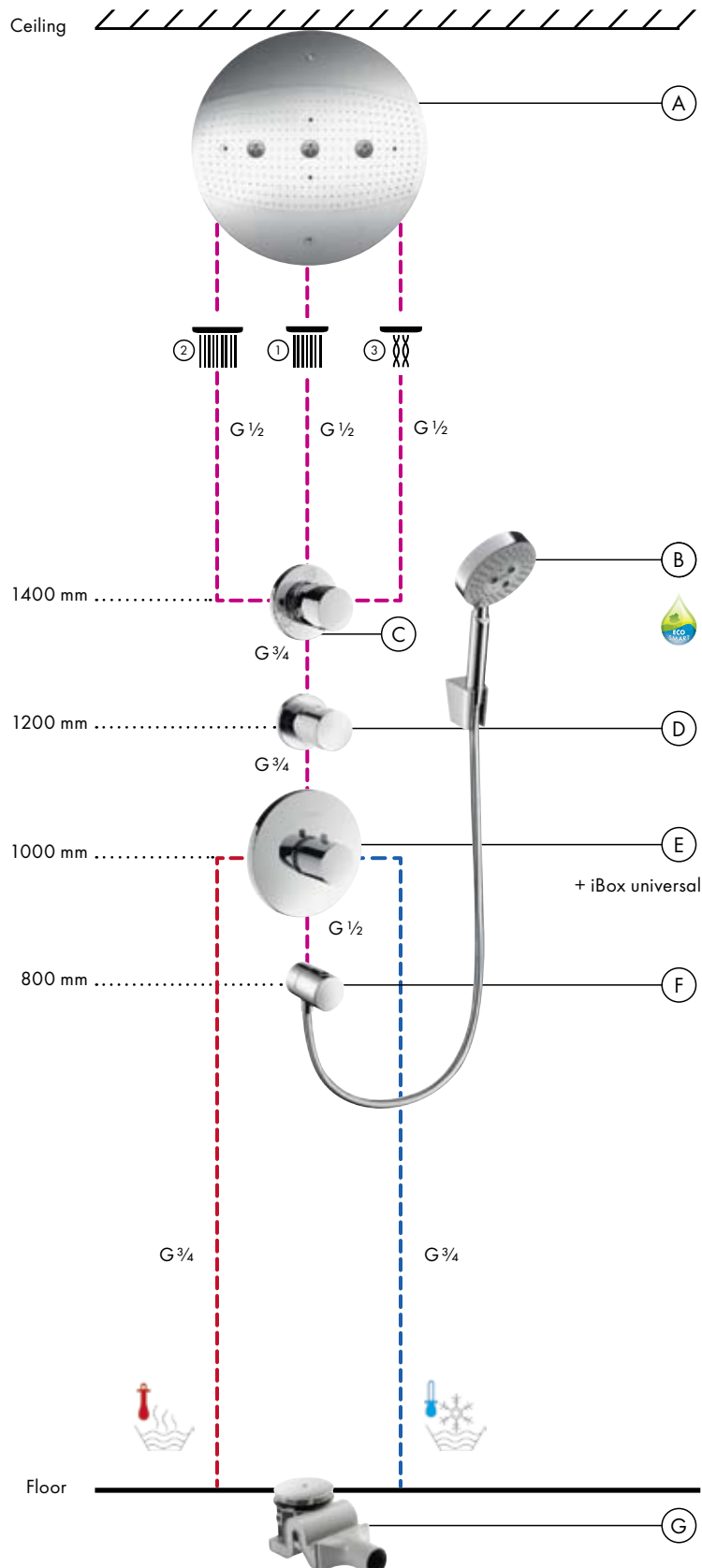


Function guaranteed from • onwards.

Components

- | | |
|--|---|
| <p>(A) 1x # 28403000 Raindance Rainmaker Ø 600 mm overhead shower</p> <p>1x # 28412180 Raindance Rainmaker basic set</p> <p>(B) 1x # 28504000 Raindance S 100 AIR 3jet hand shower</p> <p>1x # 28331000 Porter S shower support</p> <p>1x # 28276000 Isiflex shower hose 1.60 m</p> <p>(C) 1x # 15932000 Quattro S diverter valve</p> <p>1x # 15930180 Quattro basic set</p> | <p>(D) 1x # 15972000 Shut-off valve S</p> <p>1x # 15970180 Shut-off valve basic set</p> <p>(E) 1x # 15715000 Ecostat S Highflow thermostat</p> <p>1x # 01800180 iBox universal basic set</p> <p>(F) 1x # 38882000 Fixfit Stop hose connection</p> <p>(G) 1x # 60067000 Raindrain 90 XXL waste set</p> |
|--|---|

Product (B) is also available in an EcoSmart version.



3-spray overhead showers

Raindance Rainmaker overhead shower



Raindance Unica'S Set 1,50 m



Components

- Product **F** is also available in an EcoSmart version.



Raindance® Rainmaker®

Planning and installation instructions

Ceiling construction

1. Suspended ceiling

To install the Rainmaker, you need to install a suspended ceiling (made of plaster board for example) yielding a gap of at least 6 cm. Stretched ceilings are an ideal alternative to plaster board sheets (see Installation of plaster board sheets, Installation with stretched ceilings).

The Rainmaker cannot be incorporated into concrete framework installation and sealed afterwards. To install the housing into concrete ceilings and in a plaster board ceiling, a circular opening of 590 mm is recommended, leaving a 5.5 mm overhang. It is possible to install the Rainmaker flush with the ceiling, leaving a circular seam of 7 mm to allow for the installation of cover sheets on the sides.

The Rainmaker's own weight, without water, is around 12 kg.

Attention: Not suitable for direct installation in open spaces adjacent to flammable surfaces.

2. Basic set/Installation instructions

The basic set needs to be ordered in advance and is designed as an installation aid. It doesn't contain any expensive components and can therefore be installed during the early phases of construction. The basic set is required to install the actual finish set. It comprises mainly a polystyrene housing with a spray disc template to enable exact positioning of the Rainmaker in the room and fixing of the three connecting hoses. Thanks to the supplied plugs, it is possible to do a pressure test at this early stage. All attachment screws for the basic and finish set are also included. Before the final installation, the polystyrene finish set dummy is broken up and removed.



Plumbing installation

3. Hot water supply

The capacity of the shower set-up must be individually established according to personal shower preferences, frequency of usage and the number of desired shower functions. Operating pressure at the thermostat: max. 1 MPa. Recommended operating pressure: 3 bar pressure. Hot water temperature: max. 60 °C. Recommendation for the storage tank: the storage tank should hold at least 300 litres.

Note: This product cannot be used in combination with continuous flow water heaters. Large differences in pressure between the cold and hot water outlets have to be balanced.

4. Supply lines

iBox universal: 2 x G ¾ (hot/cold)

Rainmaker: 3 x G ½ (mixed water)

5. Concealed thermostat

on iBox universal base
15715000 concealed thermostat with increased flow capacity and cylindrical handle included in delivery.

Flow rate 58 l/min at 3 bar.

01800180 iBox universal not included in delivery!

Further options for finish sets (see Product Overview Basic and Finish Sets) and custom-made surfaces are available on request.

6. Shut-off valve G ¾ with cylindrical handle

Not included in delivery!

15970180 Basic Set G ¾ (spindle) for concealed installation, flow rate 130 l/min at 3 bar

15972000 Finish Set Shut-off valve

7. Quattro Diverter Valve G ¾ with cylindrical handle

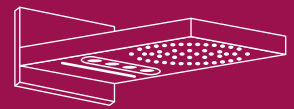
Not included in delivery!

For the easy operation of all three functions:

15930180 Basic Set G ¾ with ceramic

discs for concealed installation, flow rate 65 l/min at 3 bar

15932000 Quattro diverter finish set



3-spray overhead showers

8. Shut-off Valve G 1/2 with cylindrical handle

Shut-off valve for hand shower

38882000 Hose connector Fixfit Stop

Waste Technology

9. Drain

Floor drain (without shower tray)

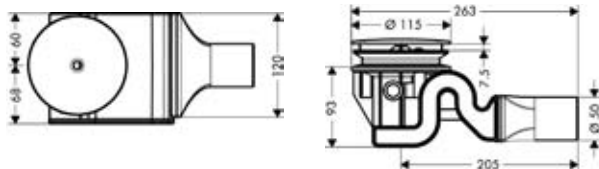
Drain for shower tray: Raindrain 90 XXL

Drain capacity 51 l/min (15 mm damming height),
complies with DIN 1247 1-3.



Raindrain 90 XXL Complete Set
60067000

Attention: The drain capacity must be greater
than 50 l/min



Electrical installation

10. Feed line (2 x 1,5 mm²)

Electrical junction box included in the basic set Note: Make
sure ducting is laid for the power supply (lighting).
Equipotential bonding is not required.

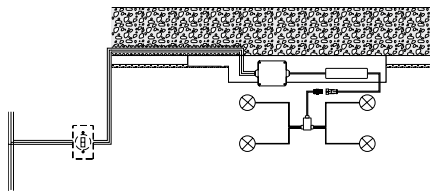
Attention: Connection of electricity must be carried out
by an electrician! Power supply 230V/N/PE/50Hz (length
0.3 m). Protection must be provided via a residual current-
operated protective device (RCD/FI) with a maximum residual
operating current of 30 mA.

11. Light switch

Must be installed outside the shower area or connected with
the ceiling light (outside protection area two according to
WRC regulations).

12. Transformer

Secondary output voltage 12V/35-80 VA,
dimensions 110 mm x 21 mm x 45 mm.



Product description and technical data

Rainmaker Basic set # 28412180

Contents:

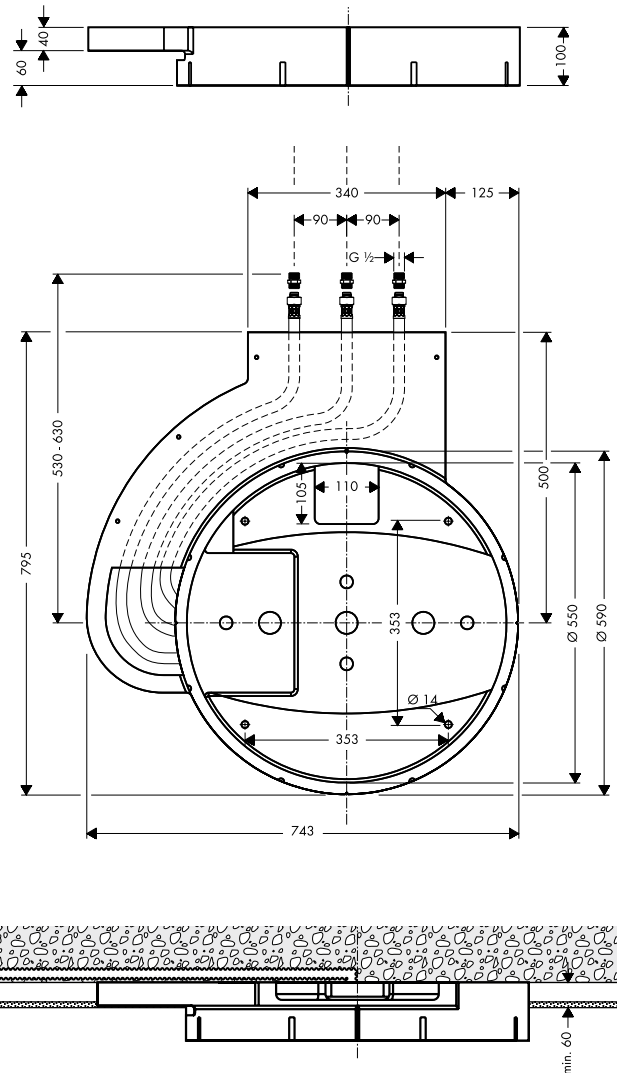
- 1x polystyrene housing with template
- 1x electrical junction box with connection accessories
- 2x connecting hoses 800 mm, G 1/2
 - (1 straight connection, 1 elbow connection)
- 1x connecting hose, 800 mm, G 1/2
 - (2 straight connections)

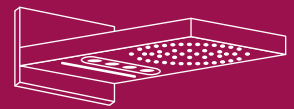
Mounting material

(included in basic set)

The supplied plugs are suitable for concrete ceilings. For other building materials suitable mounting elements must be used. The plugs supplied are

- 4x washers
- 4x stainless steel nuts M 8
- 4x plastic plugs Ø 10 mm
- 4x hanger bolts M 8 x 100 mm
 - (for installation heights > 10 cm longer hanger bolts will need to be purchased separately)
- 4x stainless steel screws
- 4x plastic plugs
- 4x washers Ø 6 x 22 mm
- 1x belt strap (for secure installation)





3-spray overhead showers

Installation

Raindance Rainmaker Finish set without lighting # 28403000

Content:

Concealed high-flow thermostat on iBox universal base

15715000

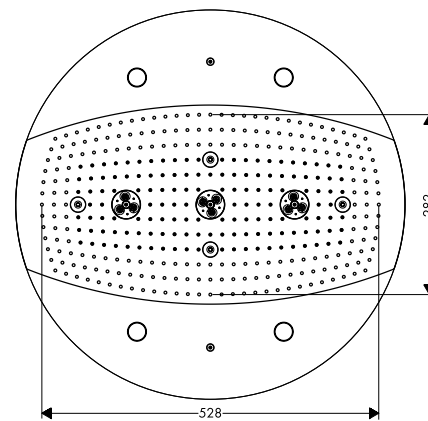
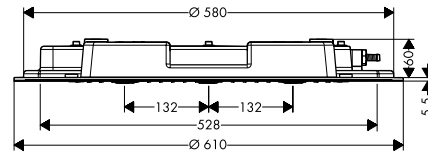
Pre-assembled overhead shower system with three available functions:

1) central overhead shower 264 x 282 mm

2) full body shower 528 x 282 mm

3) massage jets 264 mm

358 jet elliptical spray disc with the proven elastic silicon nipple based QuickClean de-scaling function. Same look as # 28404000 but without glass light elements.



Raindance Rainmaker Finish set with lighting # 28404000

Construction and function as # 28403000

in addition 4 x 20 halogen lamps, type 50020 Osram

Ministar, transformer with secondary output voltage

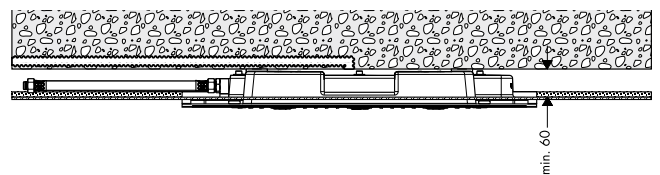
12 V/35-80 VA, 110 mm x 21 mm x 45 mm,

concealed high-flow thermostat on iBox universal base

15715000

Raindance Rainmaker housing

For clearer presentation of the details the housing is here shown in grey; in the original it is black.



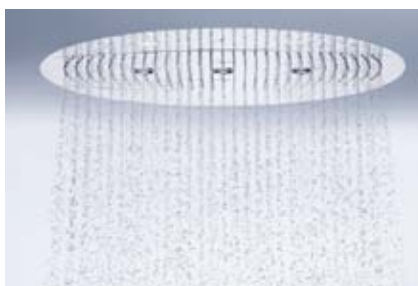
3-spray overhead showers with side showers

Water from all directions: When the entire Hansgrohe shower family consisting of hand shower, overhead shower and side showers are brought together, the result is a system that creates a total sense of wellbeing.



Rain AIR

Air is drawn in through the entire spray disc and mixed together with the inflowing water. As a result, the drops become larger, lighter and softer. A natural rain shower is created.



Rain AIR XXL

The Rain AIR function in maximum size: a down-pour of water envelopes the entire body.



Whirl AIR

This function also mixes water with air. The air is compressed into a very small space, which accelerates the outflowing massage jets. The result is a powerful massage with a rotating jet.

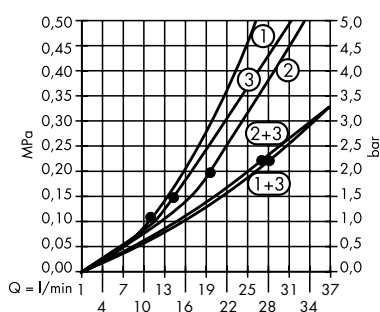
3-spray overhead shower Raindance® Rainmaker® with side shower

3-spray overhead showers
with side showers

Flow rate chart

28403000

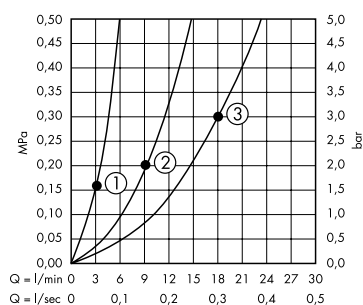
Raindance Rainmaker overhead shower



Flow rate chart*

28477000

Raindance AIR side shower



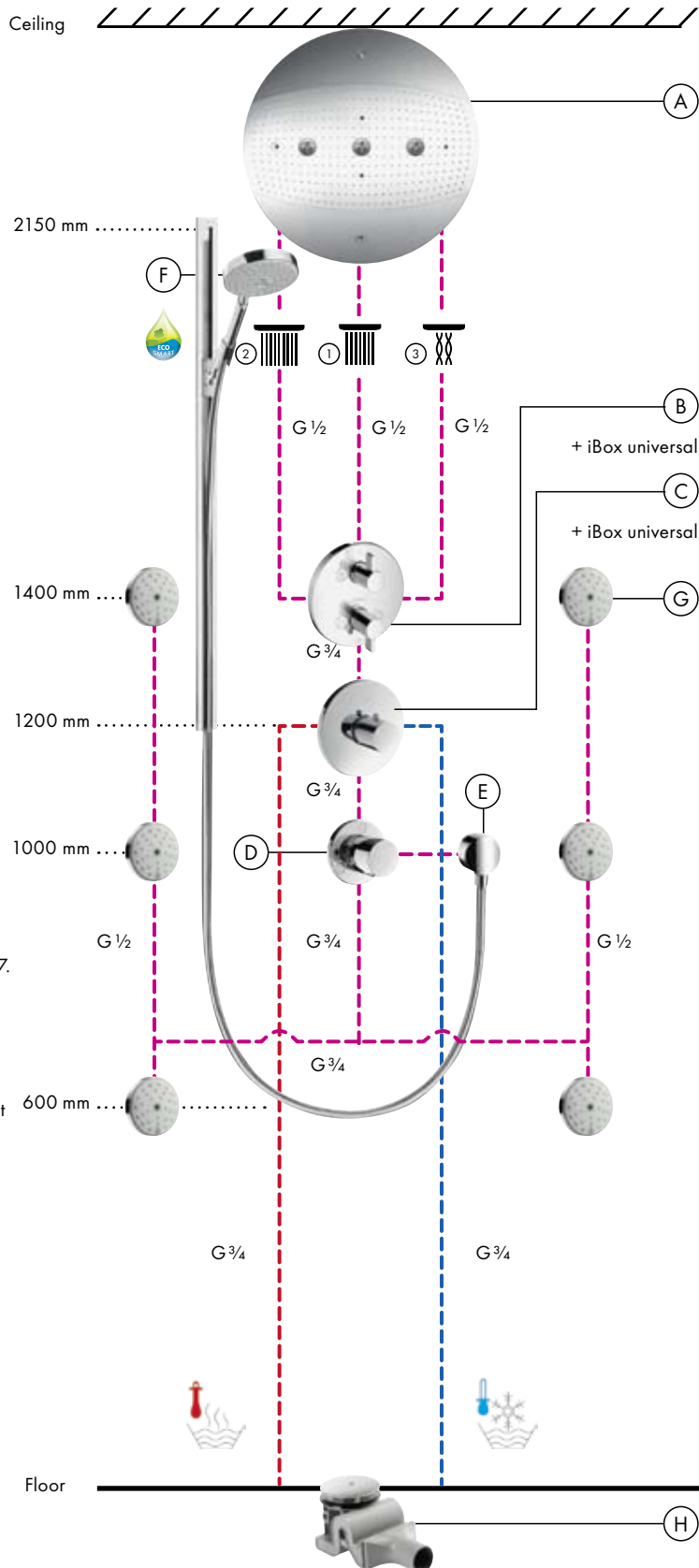
Function guaranteed from • onwards.

* Flow rate chart # 27638000 Raindance Unica'S Set see page 27.

Components

- | | |
|--|--|
| Ⓐ 1x # 28403000 Raindance Rainmaker Ø 600 mm overhead shower | Ⓓ 1x # 15932000 Trio S shut-off/diverter valve |
| 1x # 28412180 Raindance Rainmaker basic set | 1x # 15981180 Trio basic set |
| Ⓑ 1x # 15955000 iControl manual shut-off/diverter valve | Ⓔ 1x # 27453000 Fixfit S hose connection |
| 1x # 01800180 iBox universal basic set | Ⓕ 1x # 27638000 Raindance Unica'S Set 1.50 m |
| Ⓒ 1x # 15715000 Ecostat S Highflow thermostat | Ⓖ 6x # 28477000 Raindance AIR side shower |
| 1x # 01800180 iBox universal basic set | Ⓗ 1x # 60067000 Raindrain 90 XXL waste set |

Product Ⓔ is also available in an EcoSmart version.





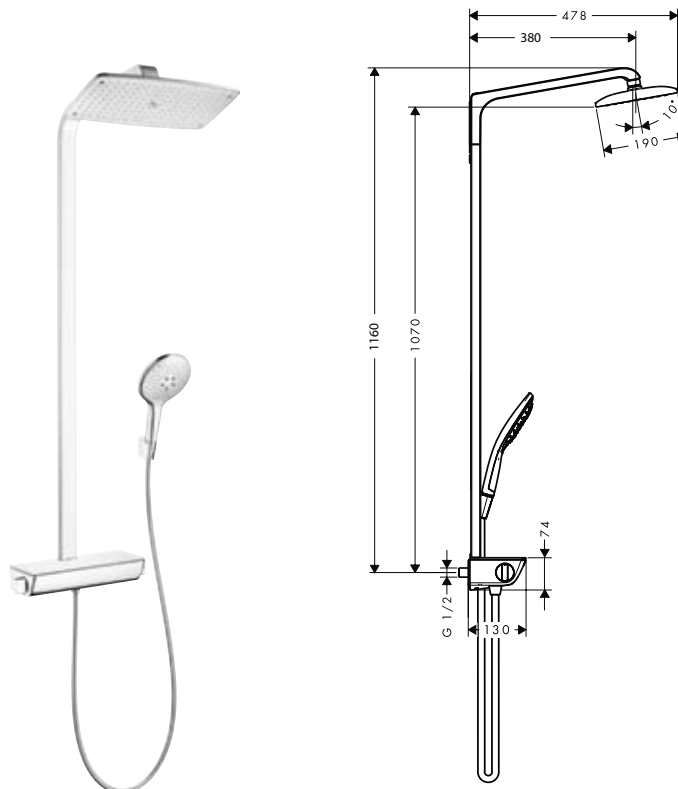


Showerpipes

System 4: Showerpipe

The simple way to intense shower pleasure: Hansgrohe Showerpipes mark a new trend in the modern bathroom: sleek, aesthetically designed overhead showers that produce a warm, comforting shower rain. Whether it be a new installation or a bathroom upgrade, whether it be Raindance or Croma 100 – all Showerpipes are quickly and easily installed. Since they are installed in front of the wall, they can easily be upgraded at any time. No need to open up the walls.

Raindance® Select 360 Showerpipe

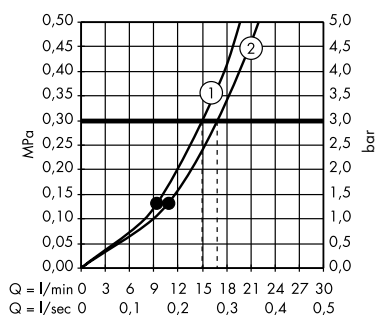


Raindance® Select 360 Showerpipe

Flow rate chart

27112,-000,-400

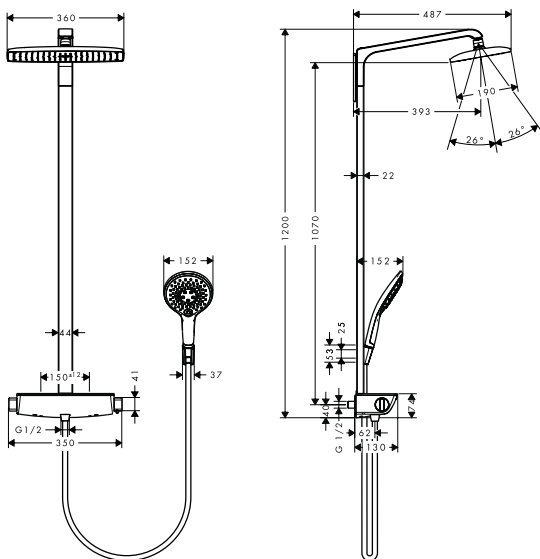
Raindance Select 360 Showerpipe



Key

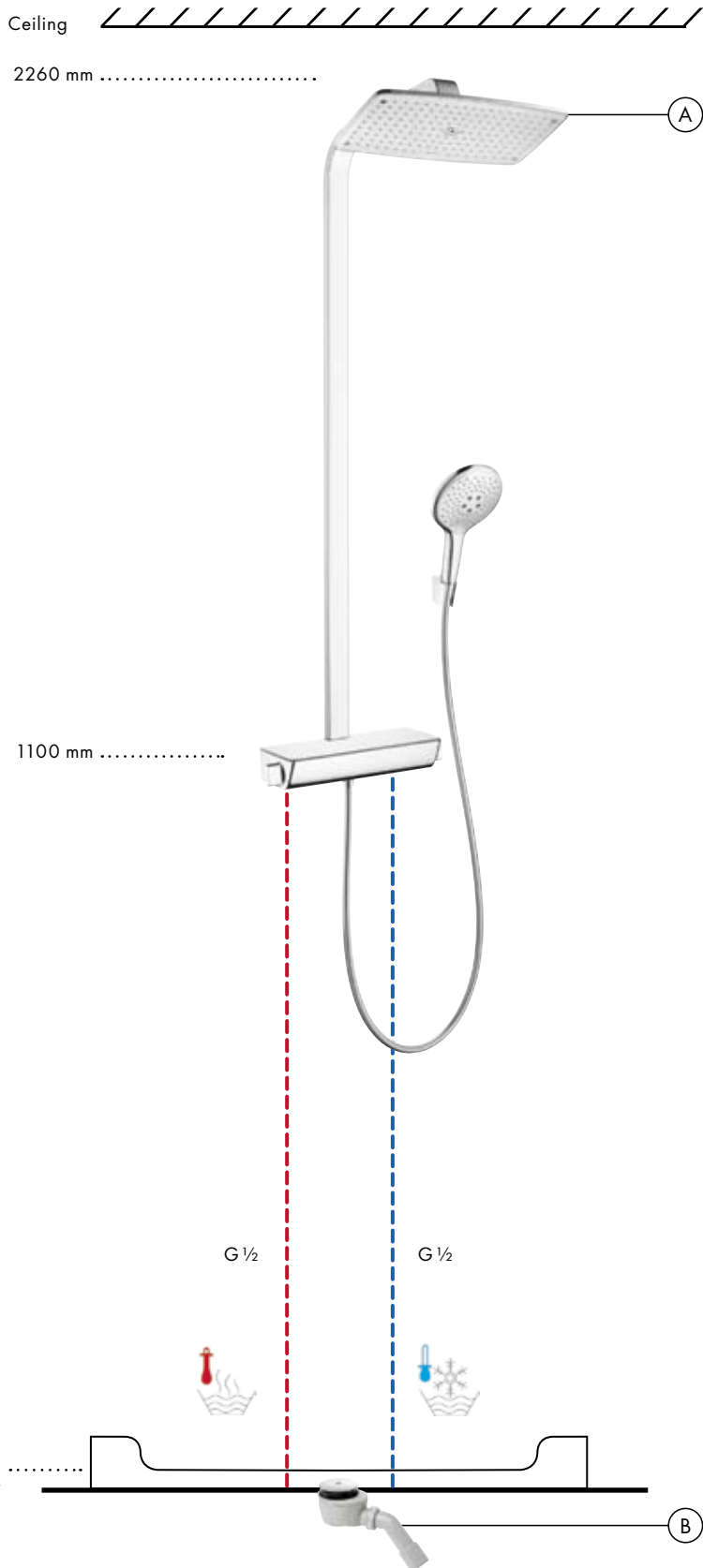
- ① hand shower
- ② overhead shower

Function guaranteed from • onwards.



Components

- (A) 1x # 27112,-000,-400
Raindance Select 360
Showerpipe
- (B) 1x # 60056000 Staro 90
waste set





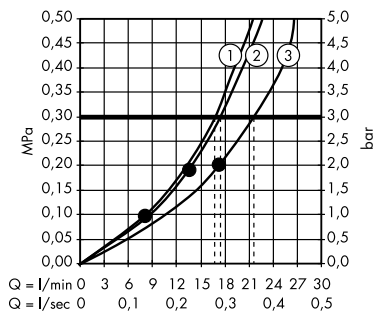
Showerpipes

Raindance® E 420 2jet Showerpipe

Flow rate chart

27149000

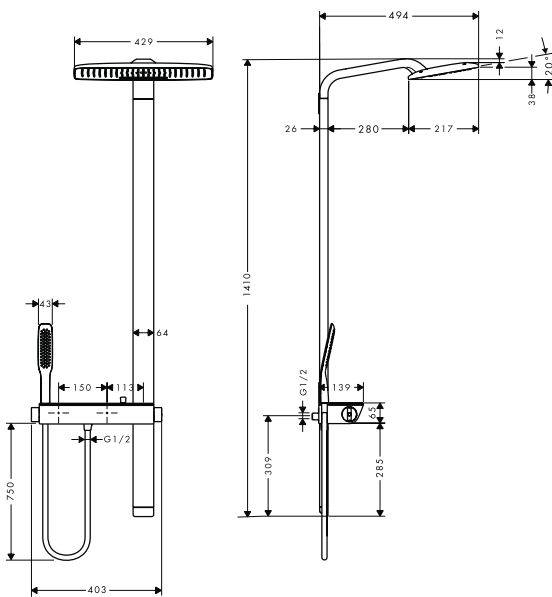
Raindance E 420 2jet Showerpipe



Key

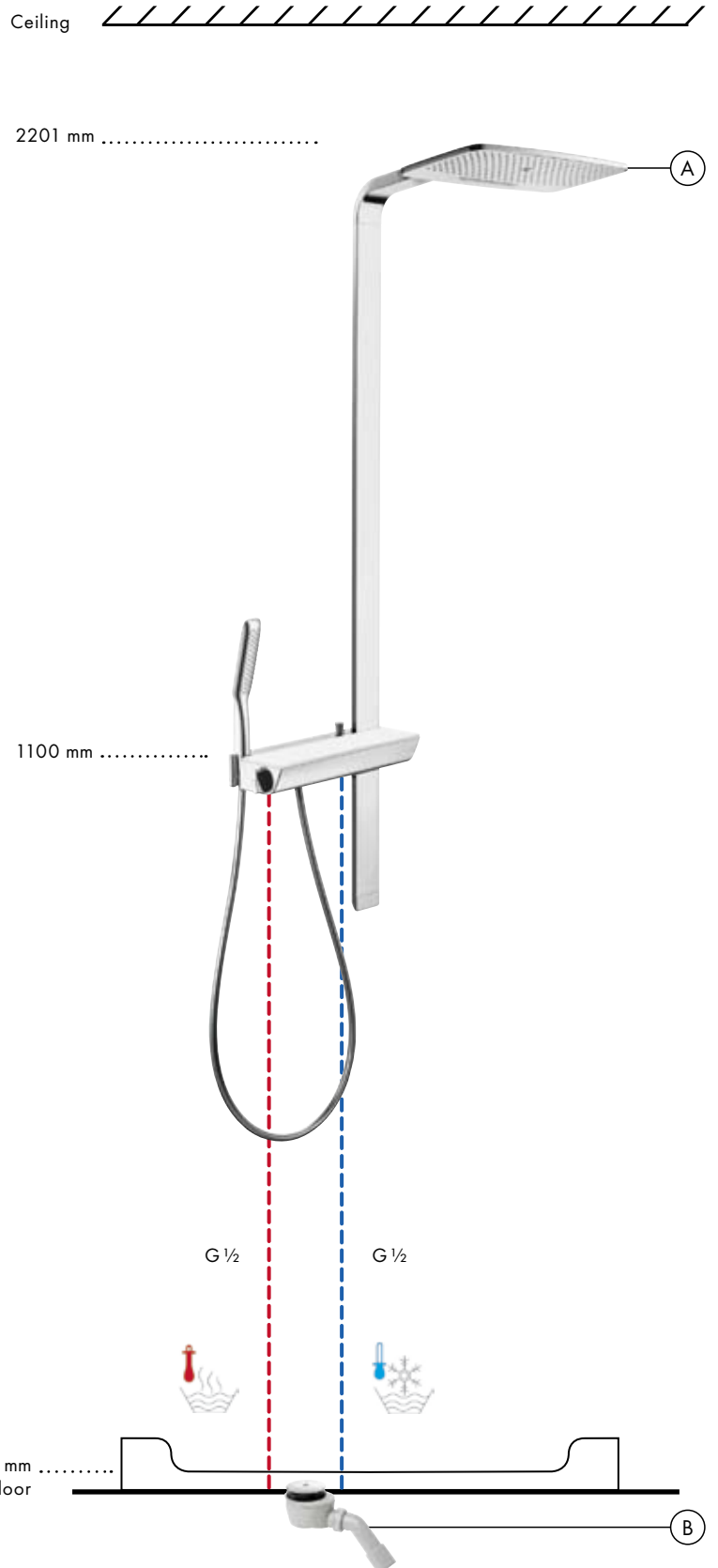
- ① hand shower
- ② overhead shower
- ③ flood shower

Function guaranteed from • onwards.



Components

- Ⓐ 1x # 27149000
Raindance E 420 2jet
Showerpipe
- Ⓑ 1x # 60056000 Staro 90
waste set

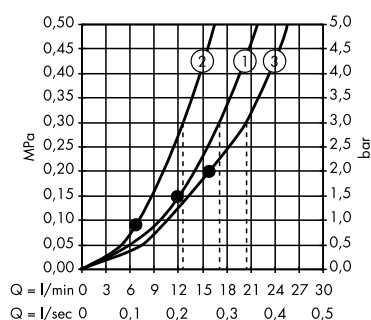


Raindance® 240 Showerpipe for concealed installation

Flow rate chart

27145000

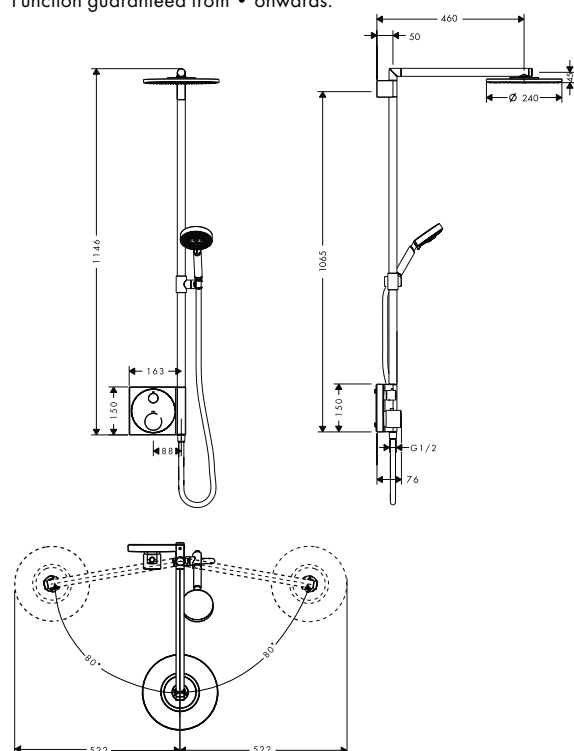
Raindance 240 Showerpipe for concealed installation



Key

- ① overhead shower
- ② hand shower
- ③ overhead shower + hand shower

Function guaranteed from • onwards.



Components

- Ⓐ 1x # 27145000
Raindance 240 Showerpipe
for concealed installation
1x # 01800180 iBox universal
basic set
- Ⓑ 1x # 60056000 Staro 90
waste set

Ceiling

2171 mm

1100 mm

+ iBox universal

0 mm
Floor



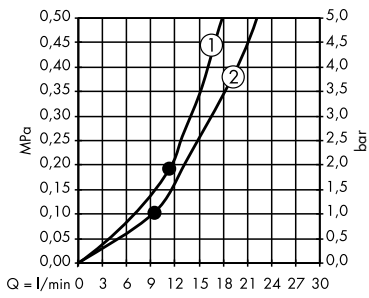
Showerpipes

Raindance® Connect 240 Showerpipe

Flow rate chart

27421000

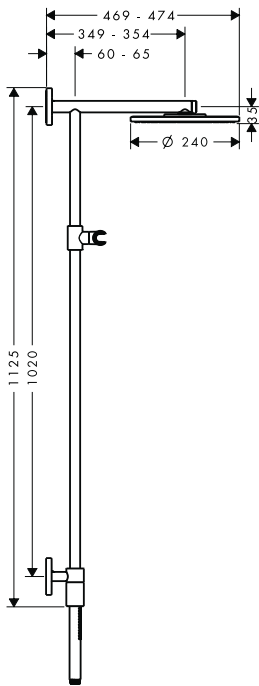
Raindance Connect 240 Showerpipe



Key

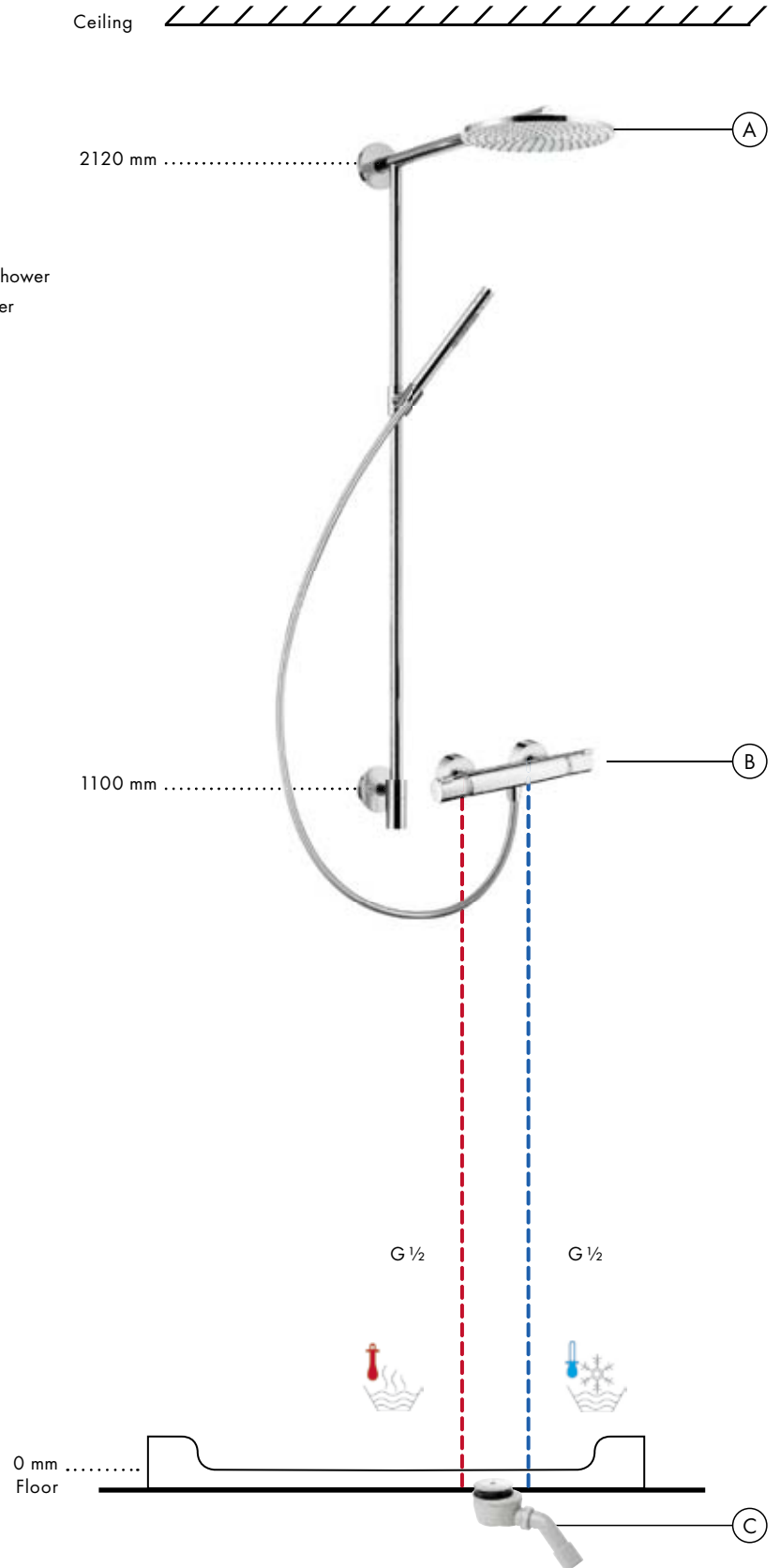
- ① overhead shower
- ② hand shower

Function guaranteed from • onwards.



Components

- Ⓐ 1x # 27421000
Raindance Connect 240
Showerpipe
Easy to mount on any existing
mixer or shower connection.
- Ⓑ 1x # 13116000
EcoStat Comfort Shower
- Ⓒ 1x # 60056000 Staro 90
waste set

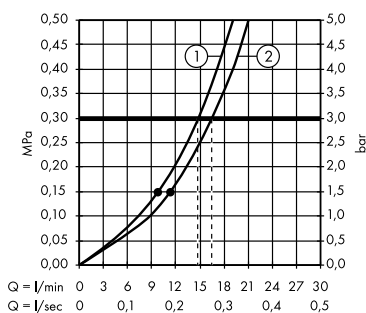


Raindance® Select 300 Showerpipe

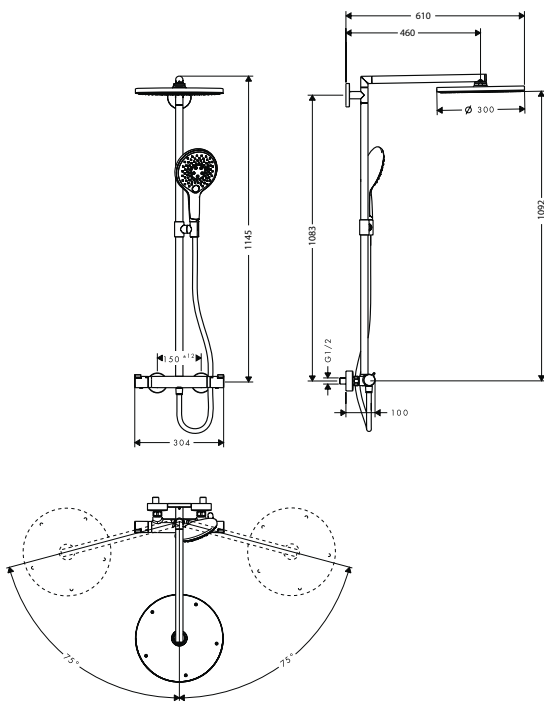
Flow rate chart

27114000

Raindance Select 300 Showerpipe

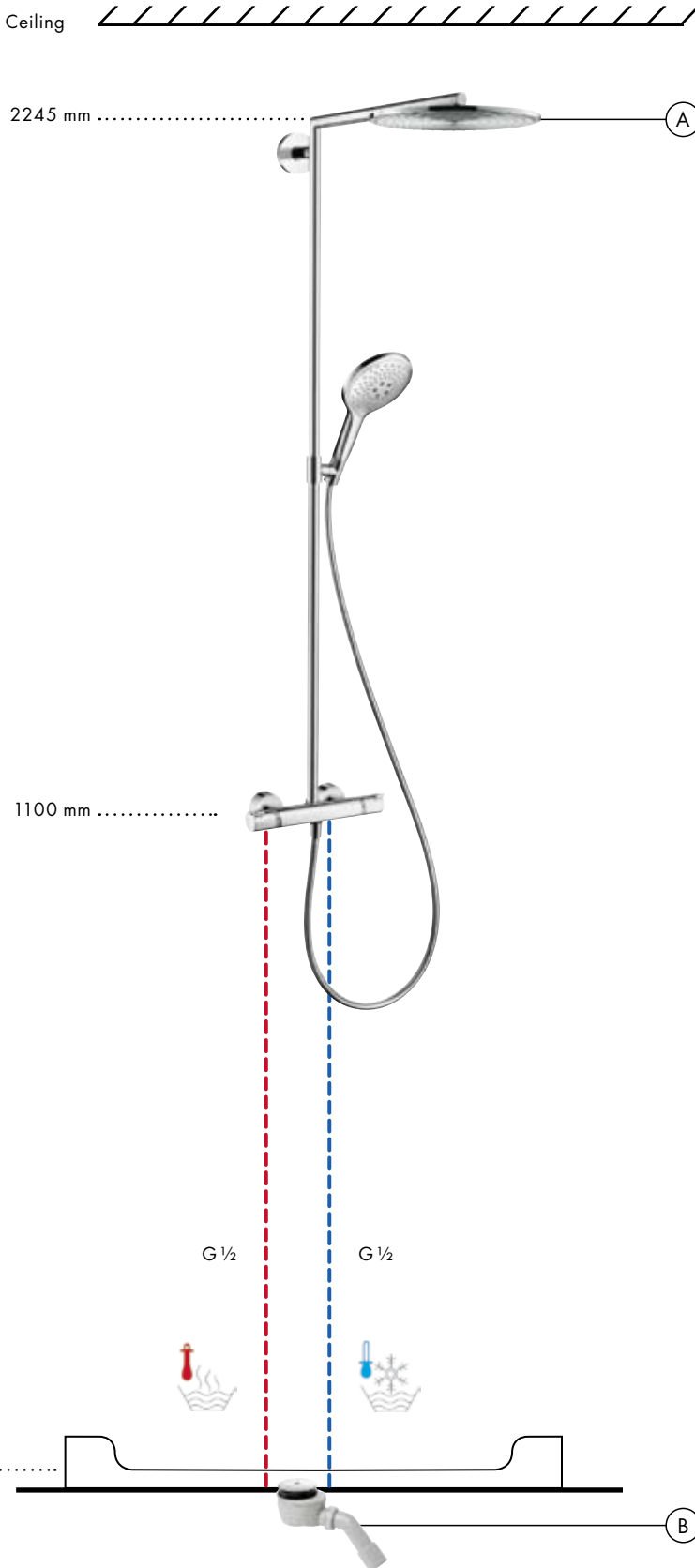


Function guaranteed from • onwards.



Components

- (A) 1x # 27114000
Raindance Select 300
Showerpipe
- (B) 1x # 60056000 Staro 90
waste set



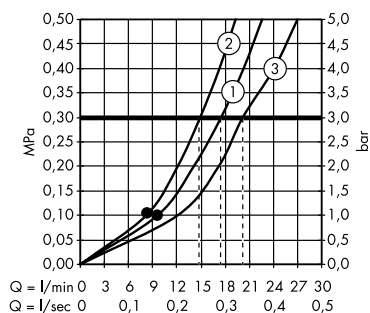
Raindance® Select 240 Showerpipe for the bath tub

Showerpipes

Flow rate chart

27117000

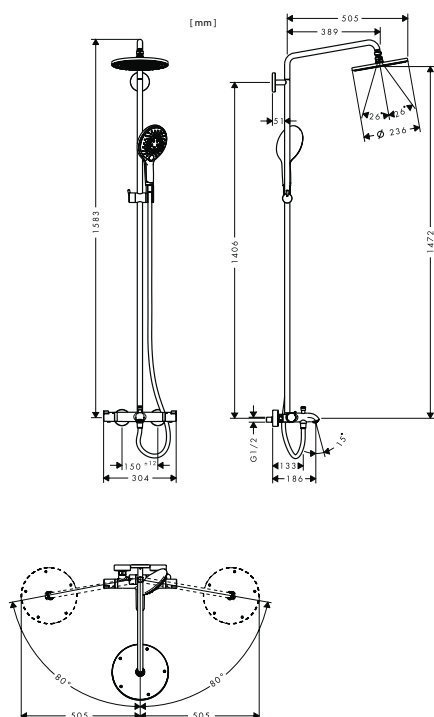
Raindance Select 240 Showerpipe for the bath tub



Key

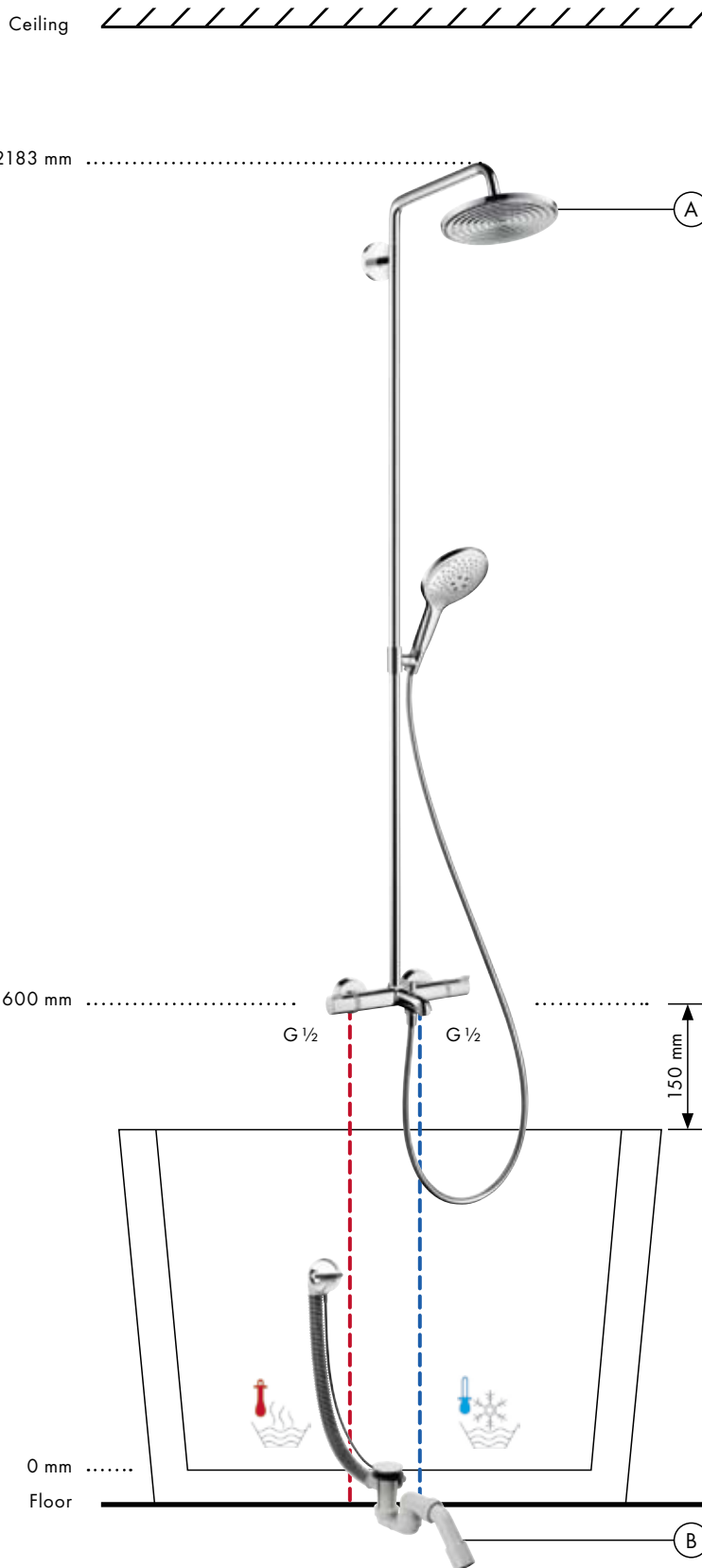
- ① overhead shower
- ② hand shower
- ③ bath filler

Function guaranteed from • onwards.



Components

- Ⓐ 1x # 27117000
Raindance Select 240
Showerpipe for the
bath tub
- Ⓑ 1x # 58143000 Flexaplus
Waste and overflow

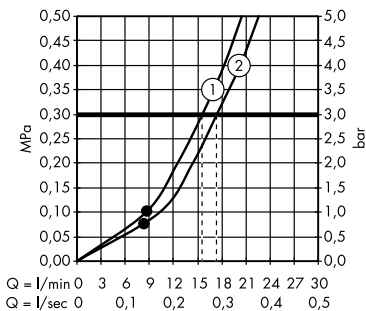


Croma® 220 Showerpipe

Flow rate chart

27185000

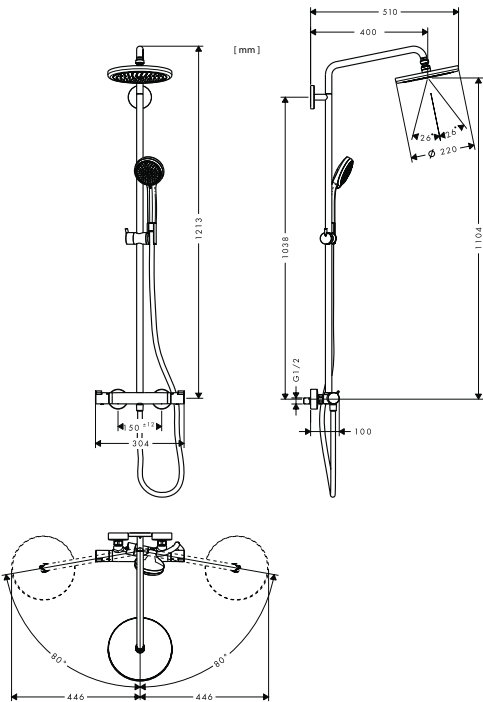
Croma 220 Showerpipe



Key

- ① overhead shower
- ② hand shower

Function guaranteed from • onwards.



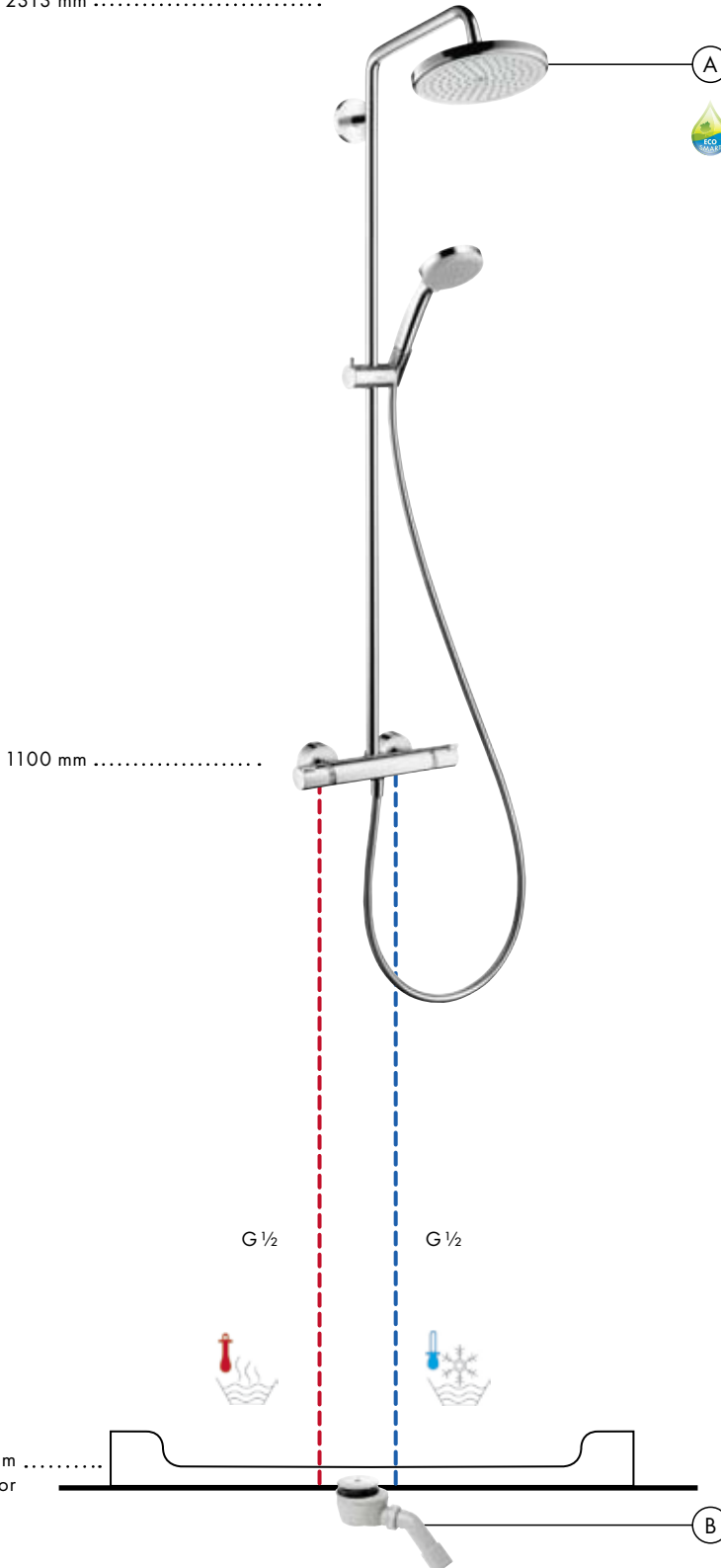
Components

- (A) 1x # 27185000
Croma 220 Showerpipe
- (B) 1x # 60056000 Staro 90
waste set

Product (A) is also available
in an EcoSmart version
27188000

Ceiling

2313 mm



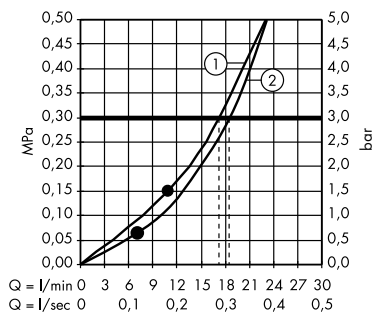


Croma® 160 Showerpipe

Flow rate chart

27135000

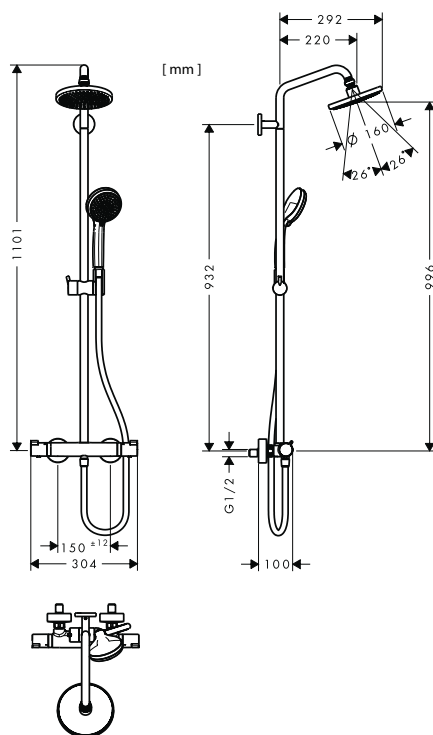
Croma 160 Showerpipe



Key

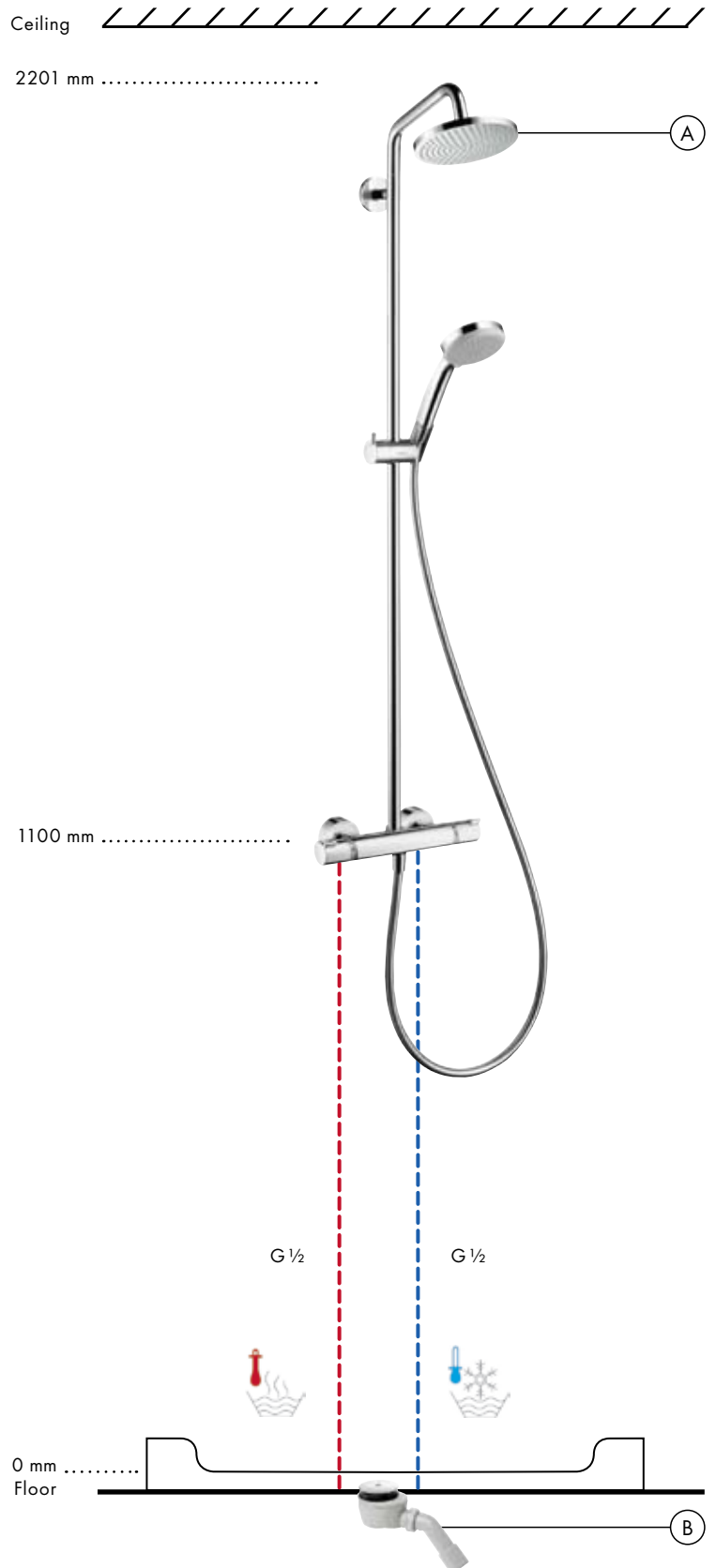
- ① overhead shower
- ② hand shower

Function guaranteed from • onwards.



Components

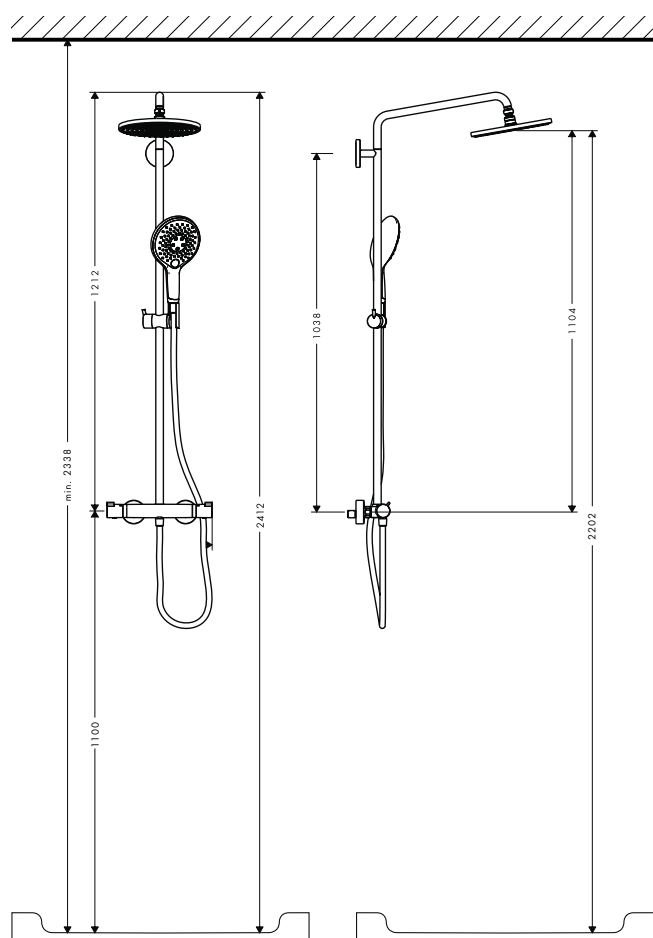
- Ⓐ 1x # 27135000
Croma 160 Showerpipe
- Ⓑ 1x # 60056000 Staro 90
waste set



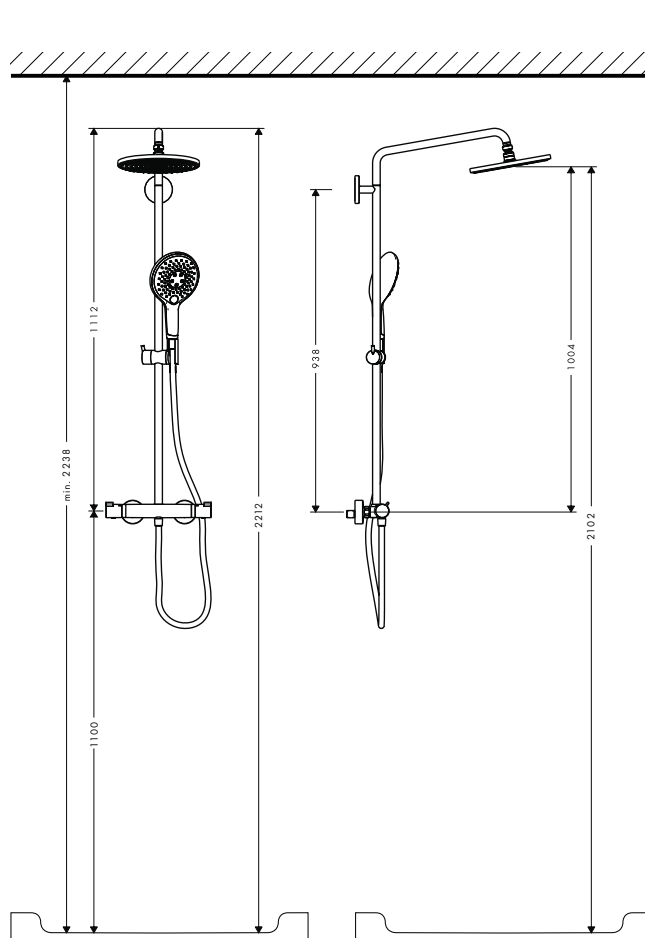
Flexible in height

Regardless of the height of the room and the water connections, round tube Showerpipes can always be placed in the optimum position. The round tube is quickly and easily cut to the right length, which means that individual customer requirements can be met.

Room height A



Room height B





Versatile positioning

The swivelling head makes the Showerpipes extremely versatile – perfect for use in any bath or shower situation.

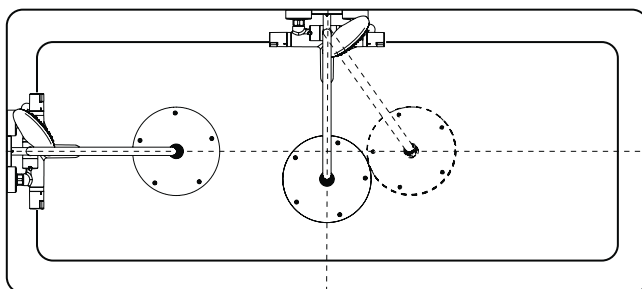
Bath:

Showerpipes can easily be installed on the front or long side of the bath, according to the position of the water connections. The shower head can also be individually aligned.

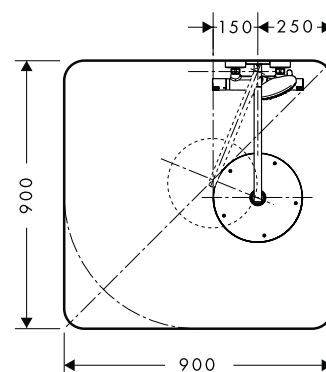
Shower:

Often, the existing water connections are not positioned in the middle of a shower area. Thanks to the swivelling arm, the shower head can still be placed in the middle of the shower after installation.

Bath installation



Shower installation

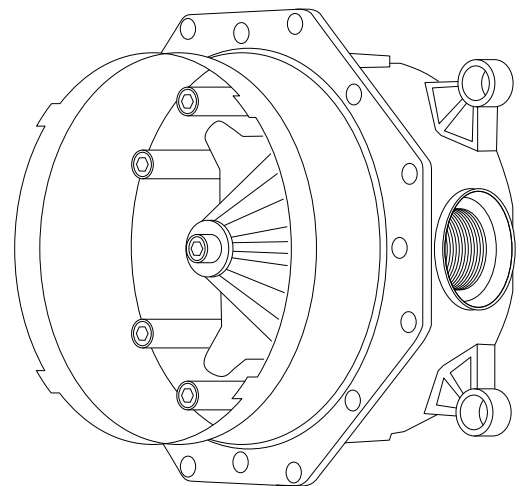


Hansgrohe iBox® universal – Flexibility that benefits everyone

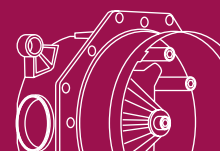
In the world of installation, the iBox universal has long been a standard for concealed fittings. Since its introduction, it has been the one and only basic set for all Hansgrohe and Axor standard thermostats. With the iBox universal, Hansgrohe offers an extremely flexible concealed installation system which allows a basic set built into the wall to be connected to various finish sets for mixers and showers. It can be connected to several different attachments in a variety of ways.



Possible iBox® universal combinations

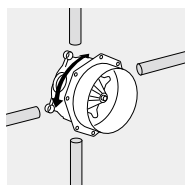


1. Single lever bath mixer
2. Single lever bath mixer/safety combination
3. Single lever shower mixer
4. Ecostat® S thermostat
5. Ecostat® S Highflow thermostat
6. Metris thermostat shut-off valve
7. Ecostat® S thermostat shut-off & diverter valve
8. Combined Bath filler/Porter unit
9. iControl® manual
10. iControl® mobile
11. Raindance® Rainfall®
12. Raindance® E 420 2jet overhead
13. Raindance® Showerpipe 240



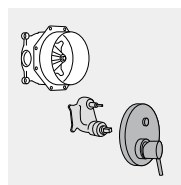
iBox® universal

The many benefits of the iBox® universal



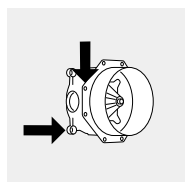
Rotationally symmetrical installation

- Symmetrical structure; all connections are equal.
- It is important that the cold water is connected on the right and the hot water on the left.
- When used as a bath mixer, the lower outflow takes priority.
- When the iBox universal is used as a shower mixer, either the upper or lower outflow can be connected.



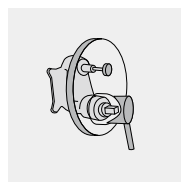
Safe and economical

- The basic set contains just the connection block. The valuable fitting aid is delivered and installed later, together with the finish set.
- Prevents problems like theft, dirt and frost occurring during the building phase; expensive warehousing becomes unnecessary.



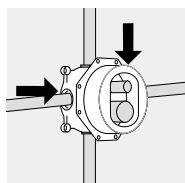
Multiple installation options

- Coordinated with all current installation systems and all types of connections and fittings.
- Patented flexible adjustment ring.
- Mounting options at two levels and G $\frac{3}{4}$ connections for universal installation possibilities.
- Also suitable for thicker walls and dry wall installations as well as for pre-fabricated housing systems.



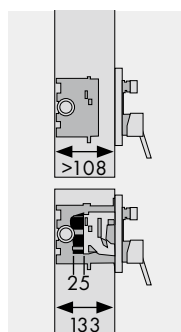
Integrated safety combination

- When installing a concealed single lever bath mixer with integrated safety combination – together with an Exafill bath filler with waste and overflow set – an external pipe interrupter becomes unnecessary. This reduces installation costs as well as the number of functional parts inside the wall.



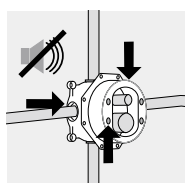
Excellent protection against humidity

- Seals on all four connections and the supporting collar which seals against splashing water perfectly protect the wall against moisture coming from any direction.



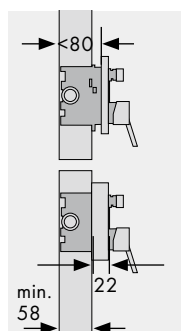
Solutions for walls

- If the iBox universal sits too deep in the wall, the basic unit extension is fitted between the connector and the function block.
- The iBox universal standard basic set has been made flatter and is now even better suited for walls with limited installation depths.



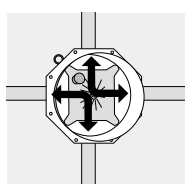
Low noise level

- The brass body rests on seals, preventing sound from the water-conducting parts from being transferred through the wall.
- The supporting collar is screwed to the iBox universal housing and not to the function block, which prevents sound from being transferred through to the tiles.



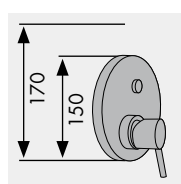
Collar extension

- Thanks to the extension, even limited installation depths are no longer a problem.
- The extension collar makes it possible to install the iBox universal despite the lack of depth.



Flushing

- The flushing block supplied with the iBox universal can be mounted in different positions. This makes it easy at the wall during installation.



Compatible with smaller escutcheon diameters

- The operating handles and escutcheons of the various mixer series are becoming more and more minimalist.
- The iBox universal is compatible with concealed mixers with 170 mm and a smaller 150 mm finishing sets.

Ideal for all Axor and Hansgrohe basic and finish sets

With the iBox universal, Hansgrohe offers a solution that covers all concealed installations using Hansgrohe and Axor mixers. All shut-off and diverter valves and all thermostats from both brands can be easily combined with the iBox.

It is suitable for six different functional solutions (G ½ and G ¾ installations). For the Raindance, Rainmaker, Rainfall and Royale overhead showers you require the matching concealed installation thermostat with increased flow capacity on the iBox universal base. Thanks to the iBox universal technology all options are left open – even after the construction phase. The valuable fitting aid can be delivered and installed afterwards, together with the finish set.

Shut-off valves



Spindle basic set, G ¾
15970180
Spindle basic set, G ½
15973180
Ceramic basic set, G ½
15974180

Shut-off and diverter valves

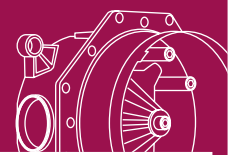


Trio 2 way diverter basic set
15981180
Quattro 3 way diverter basic set
15930180

iBox® universal



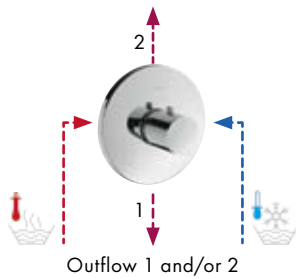
iBox® universal
Basic set for concealed installation thermostat
01800180
Extension 25 mm
13595000
Collar extension
170 mm # 13596000
Collar Extension
150 mm # 13597000



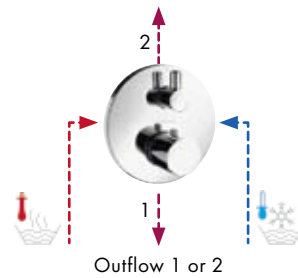
Basic and finish sets

Possible combinations

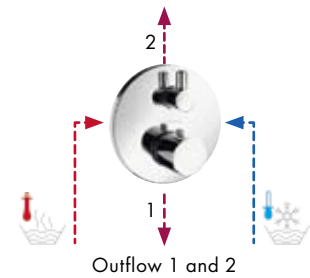
Thermostats



Ecostat® S
15711000
iBox universal basic set
01800180
Please note this product requires
a separate on/off control

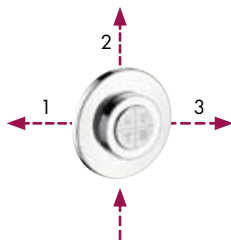


Ecostat® S
with integrated shut-off valve
15701000
iBox universal basic set
01800180

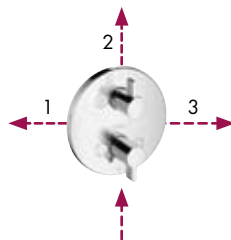


Ecostat® S
with integrated shut-off and diverter valve
15721000
iBox universal basic set
01800180

Shut-off and diverter valves



iControl® mobile
electronic shut-off and diverter valve
15945000
iControl mobile basic set
15941180

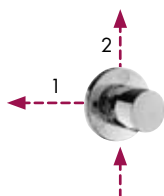


iControl® S
with integrated shut-off and diverter valve
15955000
iBox universal basic set
01800180
Please note this product requires
a separate high flow thermostat

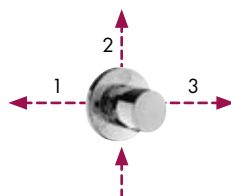


Shut-off valves

Shut-off valve S
15972000
Spindle basic set, G ¾
15970180
Spindle basic set, G ½
15973180
Ceramic basic set, G ½
15974180



Trio®
2 way diverter and shut-off valve
Finish set S
15932000
Trio basic set
15981180

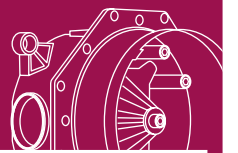


Quattro®
3 way diverter valve
Finish set S
15932000
Quattro basic set
15930180

Hansgrohe finish sets

	Hansgrohe PuraVida®	Hansgrohe E	Hansgrohe S	Hansgrohe Classic
Trio/Quattro	 # 15937400	 # 15931000	 # 15932000	 # 15934000
Shut-off valve	 # 15978400	 # 15971000	 # 15972000	 # 15961000
Thermostat	 # 15772400	 # 15710000	 # 15715000	 # 15754000
Shut-off and diverter valve	Hansgrohe PuraVida®	Hansgrohe E	Hansgrohe S	
	 # 15777400	 # 15958000	 # 15955000	
Thermostat	 # 15772400	 # 15710000	 # 15715000	
Thermostat	Hansgrohe PuraVida®	Hansgrohe E	Hansgrohe S	
	 with integrated shut-off and diverter valve # 15771000 with integrated shut-off valve # 15775000	 with integrated shut-off and diverter valve # 15720000 with integrated shut-off valve # 15700000	 with integrated shut-off and diverter valve # 15721000 with integrated shut-off valve # 15701000	

Please refer to the Hansgrohe price list or the Hansgrohe catalogue for the different surface finish options.



Axor finish sets

Axor Starck

Trio/Quattro



10930000

Shut-off valve



10970000

Thermostat



10715000

Axor Starck X



10934000



10974000



10717000

Axor Citterio



Cross head handle
39925000



Lever handle
39920000



Cross head handle
39965000



Lever handle
39960000



Cross head handle
39716000



Lever handle
39711000

Axor Citterio M

Trio/Quattro



34920000

Shut-off valve



Lever handle
34960000



Star-shaped
handle
34980000



11960000

Thermostat



34716000



11731000

Axor Massaud



18730000



18770000



18741000

Axor Bouroullec



19981000



19971000



19702000

Axor Uno²

Trio/Quattro



38933000

Shut-off valve



38976000

Thermostat



38715000

Axor Carlton



Cross head handle
17925000



Cross head handle
17965000



Cross head handle
17716000



Lever handle
17920000



Lever handle
17960000



Lever handle
17712000

Axor Montreux



16830000



16871000



16815000



RainBrain® – the mastermind in the shower



RainBrain®

RainBrain is another genuine innovation from Hansgrohe: a control for shower programmes, operated intuitively via touch-screen. For example, you can activate the different functions at the touch of a button, and then focus on nothing else except enjoying your shower. And it's not only showering that becomes more comfortable – you can even send music from your MP3 player to your RainBrain.



Planning and installation instructions



1. Hot and cold water supply

The specific dimensions of each system must be determined according to personal preferences, frequency of usage and the number of users. Operating pressure max. 1 MPa. Recommended operating pressure: 0.2-0.5 MPa (1 MPa = 10 bar = 147 PSI). Hot water temperature: max. 60 °C. When calculating the storage and drain capacity, bear in mind that, depending on which showers are combined, up to 48 l/min of mixed water are needed at 0.3 MPa.

Attention: This product cannot be used in combination with continuous flow water heaters. Large differences in pressure between the cold and hot water outlets must be equalized.

2. Shower feed pipes

Function box: 2 x G³/₄ hot/cold

Rainfall: 3 x G¹/₂ mixed water

(if flow pressure < 3 bar G³/₄)

Hand shower: 1 x G¹/₂ mixed water

Side showers: 1 x G³/₄ mixed water

3. Hansgrohe RainBrain connecting bridge

The connecting bridge serves as a base for the function box, and as a connection for both the hot and cold water feed pipes and the five shower feed pipes. Installation is carried out during the construction phase.

Attention: The connecting bridge must be mounted perpendicular to the vertical feed pipes, rinsed and checked in accordance with the applicable regulations and connected to the equipotential bonding grid.

Connection threads:

2 x G³/₄ internal thread for hot and cold water connection

4. Hansgrohe RainBrain function box

The function box houses: Electronic temperature control, water flow control if applicable, five magnetic valves to control the shower functions, power supply unit, the electronic control system and lighting control. Proper installation of the function box and the connecting bridge requires that an appropriate installation space must be reserved (minimum safety zone two).

Attention: It is essential that the function box is easily accessible for maintenance.

The function box is connected to the control panel in the shower area via a 7 m cable. The connection cable is laid in a Ø 25 mm PE empty conduit. The function box is mounted during the finishing phase of the bathroom.

Power supply: 230 V/50 Hz direct connection.

5. Hansgrohe RainBrain installation housing for the control panel

The installation housing serves as a base for the control panel and is installed during the construction phase. The required installation depth is 84 mm. An empty Ø 25 mm conduit (control cable) must be laid between the installation housing and the function box, and a Ø 20 mm empty conduit (audio cable) must be laid between the function box and the audio amplifier. The control panel is not inserted into the installation housing until the finishing phase of the bathroom.



RainBrain®

Control cable: 7 m long, Ø 25 mm PE empty conduit; audio cable: 7 m long, Ø 20 mm PE empty conduit.

6. Hansgrohe RainBrain control panel

The control panel for controlling the different shower functions is inserted into the installation housing during the finishing phase of the bathroom.

7. Hansgrohe Raindance Rainfall

Quick and simple installation of the Raindance Rainfall is facilitated by using the iBox universal. Considering the exceptional length and weight of this overhead shower, the iBox universal ensures that the Raindance Rainfall is securely mounted and sits perfectly on the wall (product not included in delivery).

Attention: The net weight of the shower without water is 12 kg. Please ensure sufficient wall reinforcement at point of installation, especially in drywall construction!

The mixed water is fed through G ½/G ¾ feed pipes into the bottom opening and two side openings of the iBox universal. Another brass pipe (approx. 10 cm long) is screwed into the fourth (upwards-pointing) opening of the iBox universal and attached to the wall with a pipe clamp. This provides additional stability. The bottom feed pipe is also secured with a pipe clamp. For plastic pipes, an additional brass nipple must be used. The pre-assembled overhead shower panel, including the pre-attached wall escutcheon, is then simply slid onto the iBox universal and screwed on at the sides. Finished!

Attention: The shower must be installed, rinsed and checked in accordance with the applicable regulations in order to ensure proper shower function!

8. Hansgrohe Fixfit hose connection

27453000 Fixfit S hose connection G ½

9. Hansgrohe Raindance AIR 100 side showers

28477000 Raindance AIR 100 side showers G ½

10. Hansgrohe Raindrain XXL waste system

Floor drain (without shower tray): DN70 drain pipe Drain for shower tray:

60067000 Raindrain 90 XXL complete set

Drain capacity 51 l/min (damming height 15 mm) complies with DIN12056

Attention: The drain capacity must be greater than 50 l/min

11. Audio amplifier

The Hansgrohe RainBrain control panel provides a standard signal (L, R, Audio GND) with OdBu level (0.775 V).

To complement the Hansgrohe RainBrain we recommend the Axor Starck loudspeakers (# 40874,-000).

Power supply: 230 V/50 Hz socket

12. Lighting control set

For external lighting

Power supply: 230 V/50 Hz

direct connection

Maximum load: 500 W

Connection cable: 10 m long

27189000 Hansgrohe RainBrain lighting control set

13. Junction box for operating voltage

Function box, lighting control set (optional) and amplifier (optional) require a 230 V/50 Hz power supply.

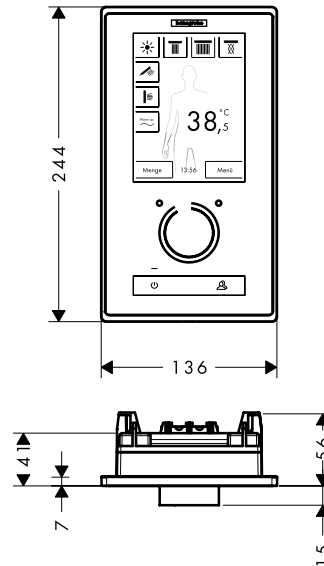
Product overview



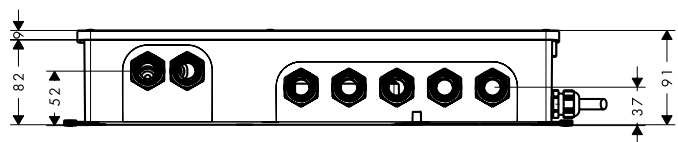
control panel pure chrome



control panel white chrome



Function box



RainBrain finish set with water flow control

Consisting of control panel with TouchScreen user interface, function box with electronic temperature control, water flow control, 5 magnetic valves and electronic control system (power supply 230 V/50 Hz)

pure chrome # 15842000

white chrome # 15842400

RainBrain finish set without water flow control

Consisting of control panel with TouchScreen user interface, function box with electronic temperature control, 5 magnetic valves and electronic control system (power supply 230 V/50 Hz)

pure chrome # 15841000

white chrome # 15841400

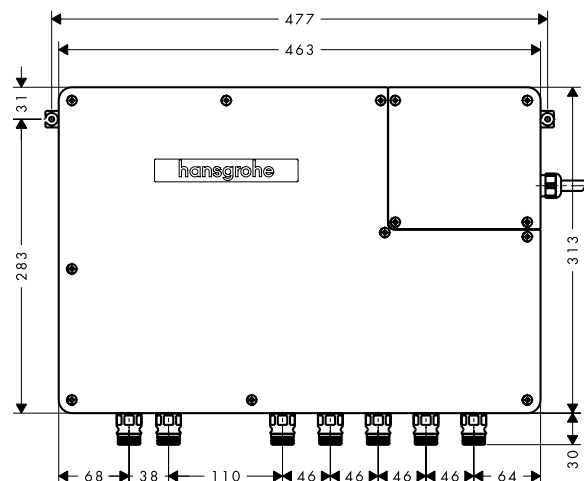
to be combined with:

RainBrain basic set

15840180

Lighting control set

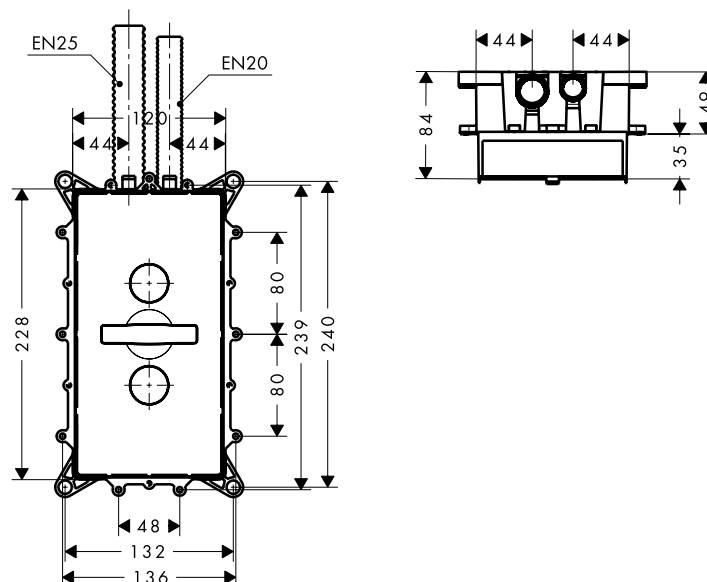
27189000



all dimensions in mm

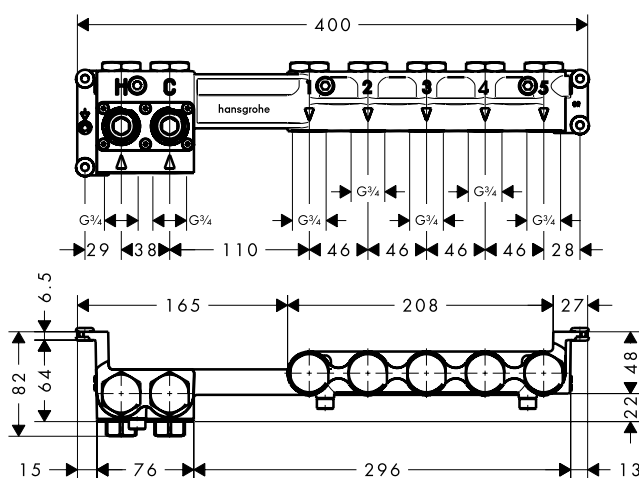


Product overview



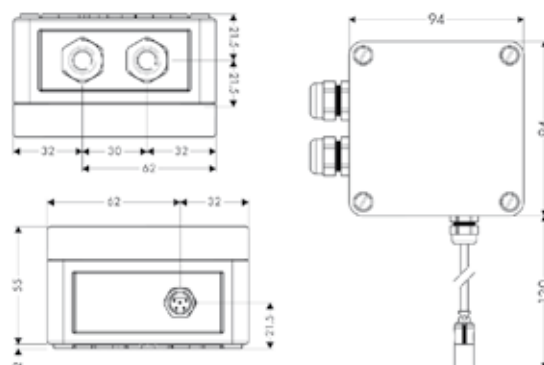
RainBrain basic set

Consisting of installation housing for the control panel, connection block with integrated shut-off device and dirt filter for G $\frac{3}{4}$ hot/cold water feed pipes, 5 x G $\frac{3}{4}$ connections for the showers and quick connectors for mounting the installation box, 7 m Ø 25 mm PE empty conduit for the control cable from control panel to installation box, 7 m Ø 20 mm PE empty conduit for audio cable
15840180

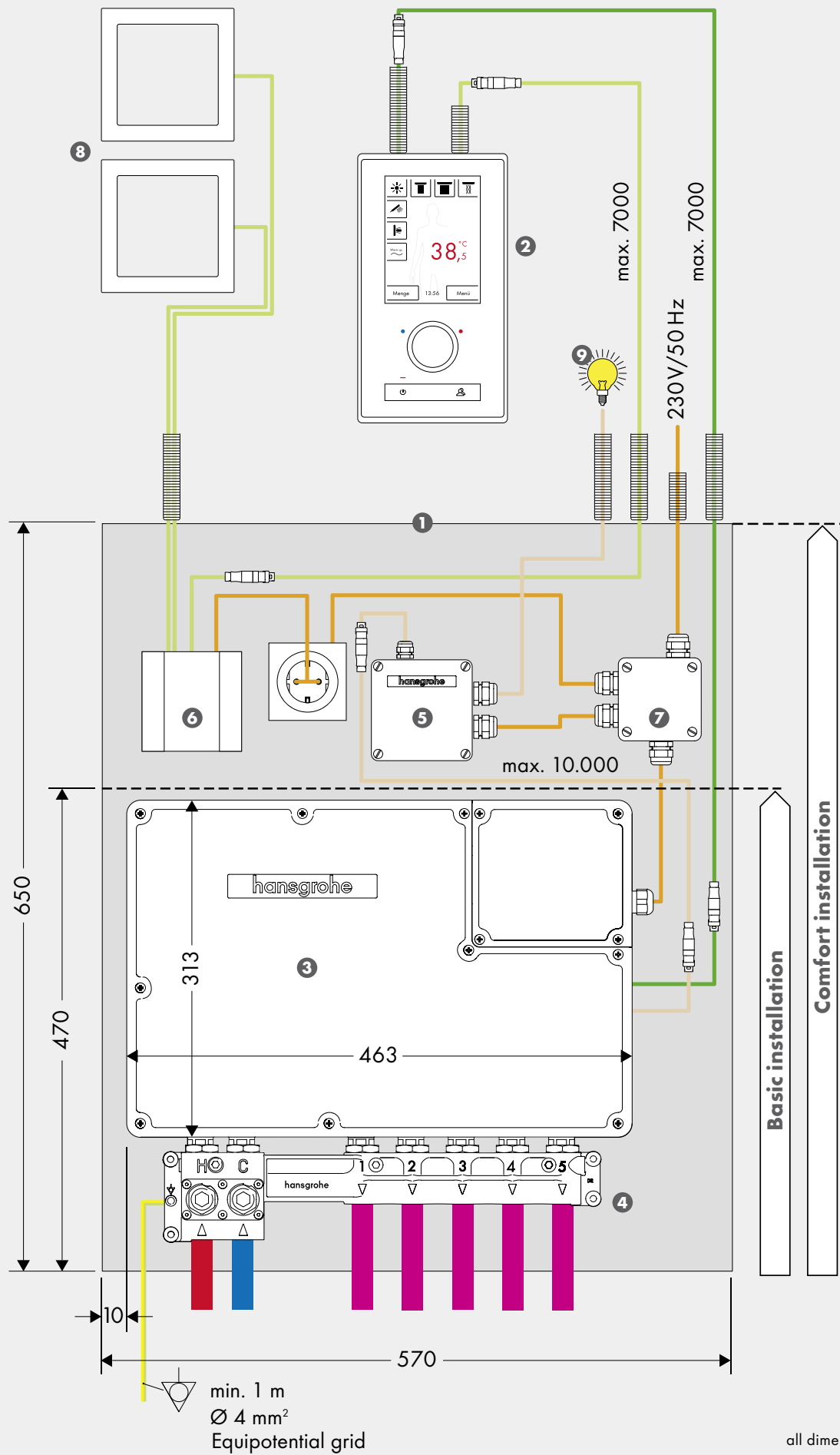


RainBrain Lighting control set

Power supply: 230 V/50 Hz Maximum load: 500 W consisting of relay lighting control, 7 m connection cable
27189000



all dimensions in mm



all dimensions in mm

The RainBrain® function box: technical specifications



RainBrain® function box

The core of the Hansgrohe RainBrain is the function box. It houses the electronic temperature control, water volume control, five magnetic valves to control the shower functions, a power supply unit and the electronic control system. The function box with its connecting bridge can be installed either directly onto the wall or in a designated installation space. The installation of the function box must be carried out within safety zone two. It is also necessary to ensure that the function box is left accessible for maintenance.

1. Installation space

Basic installation:

470 mm x 570 mm x 95 mm

Comfort installation:

650 mm x 570 mm x 95 mm

2. Control panel with installation housing

Dimensions: 136 mm x 244 mm

Installation depth: 84 mm

3. Function box

Dimensions: 463 mm x 313 mm

Installation depth: 83 mm

Power supply: 230 V/50 Hz

4. Connecting bridge

Dimensions: 400 mm x 96 mm

Installation depth: 83 mm

5. Lighting control set*

Dimensions: 94 mm x 94 mm

Installation depth: 57 mm

Power supply: 230 V/50 Hz

6. Audio amplifier*

Power supply: 230 V/50 Hz

7. Junction box for operating voltage*

Dimensions: 75 mm x 75 mm

Installation depth: 57 mm

Power supply: 230 V/50 Hz

8. Loud speakers*

9. Lighting*

* These products are not included in delivery.

Hansgrohe overhead showers and shower systems combine design excellence with technologies that make our products the most innovative on the market. This brochure offers you all the relevant information for the planning and installation of the shower systems presented here: measurements, flow rate charts, planning and installation instructions as well as mounting tips from our technicians.

We did our utmost to ensure that the printing of this brochure was friendly to the environment. By using a new kind of paper we were able to reduce the CO₂ emissions for the production process by more than thirty percent. You too can contribute to the protection of our environment by passing on the brochure to others when you've finished reading it, or by recycling it.

To find out more, please visit
www.hansgrohe-int.com



Argentina – Hansgrohe S.A. · Av. del Libertador 14.323 · Martínez · B1640APB · Buenos Aires
Tel. +54 11 4733 2400 · Fax +54 11 4733 2499 · info@hansgrohe.com.ar · www.hansgrohe.com.ar

Headquarter – Hansgrohe AG · P.O. Box 1145 · D-77757 Schiltach
Tel. +49 7836 51-0 · Fax +49 7836 51-1300 · info@hansgrohe.com · www.hansgrohe.com

India – Hansgrohe India (pvt.) Ltd. · Office Nos. 601 - 604 · Sky Station · Viman Nagar · 411 016 Pune · Maharashtra · India
Tel. +91 20 6625 9595 · info@hansgrohe.in · www.hansgrohe.in

Mexico – Hansgrohe · Col. Lomas de Santa Fe · 01210 México, D.F. · Tel. +52 55 5261-4191 · Fax +52 55 5261-4199
info@hansgrohe.com.mx · www.hansgrohe.com.mx

South Africa – Hansgrohe South Africa (Pty) Ltd. · P.O. Box 2912 · 136 Walton Road
Carlswald Midrand · ZA-1685 Halfway House · Tel. +27 11 468 11-50 · Fax +27 11 468 11-52
sales@hansgrohe.co.za · www.hansgrohe.co.za