RainBrain®
Planning and installation
Unprecedented shower comfort. RainBrain, the innovation from Hansgrohe, adds intelligence to the shower – and creates even more Shower Fun. It gives you comfortable, digital control over a wide variety of functions: choice of showers, spray modes, water volume, temperature, lighting and sound. At the light touch of a finger on the RainBrain screen, simple, intuitive symbols navigate the user through all the functions. Complex technology that is easy and intuitive in its operation, attractive in its design and simple to plan and install. This brochure will show you how.
Installation scenario. The Hansgrohe RainBrain electronic shower control consists of four single components which are conveniently divided into a basic set and a finish set.

Basic set:
1. Connecting bridge to the function box
2. Installation housing for the control panel

Finish set:
4. Function box
6. Control panel with touch screen display

The convenient separation of the components for the working parts and finish sets ensures simple and safe installation. Furthermore, the time required for installation can be easily calculated.

1. Hot and cold water supply
2. Shower feed pipes
3. Hansgrohe RainBrain connecting bridge
4. Hansgrohe RainBrain function box
5. Hansgrohe RainBrain installation housing for the control panel
6. Hansgrohe RainBrain control panel
7. Hansgrohe Raindance Rainfall
8. Hansgrohe Fixfit hose connection
9. Hansgrohe Raindance AIR 100 side showers
10. Hansgrohe Raindrain XXL waste system
11. Audio amplifier
12. Lighting control set
13. Junction box for operating voltage
14. Loudspeaker
15. Lighting
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. **Caution:** 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 DN20 hot/cold
   Rainfall: 3 x DN15 mixed water (if flow pressure < 3 bar DN20)
   Hand shower: 1 x DN15 mixed water
   Side showers: 1 x DN20 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. **Caution:** 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 G 5/4 internal thread for hot and cold water connection
   5 x G 3/8 internal thread for the shower connection pipes.

4. Hansgrohe RainBrain function box
   The function box houses: Electronic temperature control, water flow control if applicable, 5 magnetic valves to control the shower functions, power supply unit, the electronic control 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 2). **Caution:** 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. 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). **Caution:** 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 DN15/DN20 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 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! **Caution:** 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
   # 27453,-000 Fixfit S hose connection DN15

9. Hansgrohe Raindance AIR
   100 side showers
   # 28477,-000 Raindance AIR side showers DN15

10. Hansgrohe Raindrain XXL waste system
    Floor drain (without shower tray):
    DN70 drain pipe. Drain for shower tray:
    # 60067,-000 Raindrain 90 XXL complete set
    Drain capacity 51 l/min (damming height 15 mm) complies with DIN12056.
    **Caution:** 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) in combination with the DeToma A403 active module (www.datoma.com) or the DeToma Q 110 loudspeaker/amplifier set. DeToma products are available at specialised radio/TV retailers.
    Power supply: 230 V/50 Hz socket

12. Lighting control set
    For external lighting
    Power supply: 230V/50 Hz direct connection
    Maximum load: 300 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 230V/50 Hz power supply.
The function box is the core of the Hansgrohe RainBrain. It houses the electronic temperature control, water flow control, 5 magnetic valves to control the shower functions, a power supply unit and the entire electronic control system. The function box is easily installed by means of a connecting bridge, either directly onto the wall or in a designated installation space. It is vital that the installation be carried out within safety zone 2. It is also essential that the function box be left accessible for potential maintenance.

The positioning of the additional components for the comfort installation can be freely chosen (consider cable length). However, for space and maintenance reasons we recommend that the components be installed as illustrated.

1. **Installation space**
   - Basic installation: 470 x 570 x 95 mm
   - Comfort installation: 650 x 570 x 95 mm

2. **Control panel with installation housing**
   - Dimensions: 136 x 244 mm
   - Installation depth: 54 – 82 mm

3. **Function box**
   - Dimensions: 463 x 313 mm
   - Installation depth: 90 mm
   - Power supply: 230 V/50 Hz

4. **Connecting bridge**
   - Dimensions: 400 x 96 mm
   - Installation depth: 83 mm
   - Power supply: 230 V/50 Hz

5. **Lighting control set**
   - Dimensions: 94 x 94 mm
   - Installation depth: 57 mm
   - Power supply: 230 V/50 Hz

6. **Audio amplifier**
   - Model: DeToma
   - Dimensions: 90 x 90 mm
   - Installation depth: 90 mm
   - Power supply: 230 V/50 Hz

7. **Junction box for operating voltage**
   - Dimensions: 75 x 75 mm
   - Installation depth: 57 mm
   - Power supply: 230 V/50 Hz

8. **Loudspeakers**

9. **Lighting**

*These products are not included in delivery.*
**Installation scenario.** Whether the shower is positioned along the wall, in a corner or an alcove: the RainBrain can be used in any installation scenario. The only condition: the function box must remain accessible for potential maintenance.

- **Example for a corner installation**
- **Example for a back wall installation**
- **Example for a front wall installation**

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Function box

Access to RainBrain
Controllable showers. RainBrain provides comfortable, digital control of all shower functions.

Raindance® Royale S 350 AIR
overhead shower DN20
Ø 350 mm # 28420, -000
Shower arm DN20 470 mm
# 27410, -000 (not shown)
Ceiling connector DN20 100 mm
# 27418, -000 (not shown)

Raindance® E 420 AIR
1jet with RainAir
# 27372, -000 (not shown)
2jet with RainAir and Rainflow
# 27373, -000

Raindance® Rainmaker® AIR 600 mm
incl. Highflow thermostat for concealed installation on iBox universal basis
Overhead shower with lighting # 28404, -000
dto. without lighting # 28403, -000 (not shown)

Raindance® Rainmaker® AIR 680 x 460 mm
overhead shower with lighting
# 28418, -000
dto. without lighting # 28417, -000 (not shown)

Raindance® Rainfall® 520 x 280 mm
overhead shower with Rain AIR, Whirl and Rainflow
# 28411, -000

Raindance® Royale S 520 AIR
overhead shower DN20
Ø 520 mm # 28413, -000
Shower arm DN20 470 mm
# 27413, -000 (not shown)

Raindance® RainBrain provides comfortable, digital control of all shower functions.

Raindance® Rainmaker® AIR 680 x 460 mm
overhead shower with lighting
# 28418, -000
dto. without lighting # 28417, -000 (not shown)

Raindance® RainAir
side shower with Normal spray, AIR function
# 28477, -000, -800, -880
Product overview

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
RainBrain® basic set
consisting of installation housing for the control panel, connection block with integrated shut-off device and dirt filter for G¾ hot/cold water feed pipes, 5 x G¾ 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
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