



Dornbracht

Vertical Shower^{ATT}

Checklists – installation supervision

02 Introduction

03 Planning advice

09 Concealed rough parts

12 Exposed trim parts / commissioning

INTRODUCTION

Planning advice

Concealed rough parts

Exposed trim parts / commissioning

Introduction

It is obligatory for technical planning, installation and initial commissioning to be accompanied by a certified service partner and by booking a Dornbracht service package. Detailed information on the service package can be found at www.dornbracht-professional.com.

Planning advice

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Order number (SO)

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Project / end customer

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Address

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Phone

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E-mail

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Additional contact

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Phone

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E-mail

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Person responsible for planning

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Address

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Phone

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E-mail

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Fitter

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Address

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Phone

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E-mail

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Electrician

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Address

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Phone

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E-mail

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Service partner / Dornbracht

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Address

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Phone

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E-mail

Plumbing installation 1

Planning for the VERTICAL SHOWER^{ATT} can be checked for completeness more easily with this checklist.

Operating conditions

Measuring point: Concealed rough parts for eVALVE (hand shower set)

<input type="checkbox"/> Cold water temperature		5 – 20 °C /	41 – 68 °F
<input type="checkbox"/> Recommended cold water temperature		15 °C /	59 °F
<input type="checkbox"/> Hot water temperature		55 – 65 °C /	131 – 149 °F
<input type="checkbox"/> Recommended hot water temperature		60 °C /	140 °F
<input type="checkbox"/> Thermal disinfection (max. 10:00 mins.)		< 75 °C /	< 167 °F
<input type="checkbox"/> Permissible flow pressure	250 – 400 kPa /	36 – 58 psi /	2.5 – 4 bar
<input type="checkbox"/> Recommended flow pressure	300 kPa /	44 psi /	3 bar
<input type="checkbox"/> Maximum difference in flow pressure between HW + CW	100 kPa /	14,5 psi /	1 bar
<input type="checkbox"/> Recommended difference in flow pressure between HW + CW	≤ 50 kPa /	≤ 7 psi /	≤ 0,5 bar
<input type="checkbox"/> Recommended water hardness	6 – 7 °dH / 107 – 125 ppm /	7.5 – 8.8 °e /	10.7 – 12.5 °fH

Special features / comments

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 Fitter

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 Electrician

Plumbing installation 2

Planning for the VERTICAL SHOWER^{ATT} can be checked for completeness more easily with this checklist.

Plumbing installation

- Pipework calculation (in accordance with EN 806-3, DIN 1988-300)
- Assessment of demand for the hot water supply on an individual basis (e.g. in accordance with DIN 4708-200, DIN 4753-7, VDI 6003)
- Assessment of demand for the drain on an individual basis (e.g. in accordance with DIN 1986-100, EN 12056-1/-2), AW 1.5 l/s / 0.4 gps, DN 75
- The following components for the hot and cold water pipe must be positioned so that access is possible at all times (accessible for inspection): 2 x stop valve (DN 20), 2 x dirt trap (DN 20).
- Filter (main pipe)
- Pressure reducing valve (main pipe)
- Water softener (main pipe)
- Speed-controlled pressure booster (e.g. in accordance with DIN 1988-500)
- 900 mm / 2 ft 11-3/8" minimum distance between the circulation pipe connection (C) and the first eVALVE of the VERTICAL SHOWER^{ATT}
- 300 mm / 11-3/4" minimum distance (centre / centre) of concealed rough parts for WATER CURVE / WATER SHEET, 2 x WATER FAN / 2 x WATER BAR

Required nominal diameter (DN) for pipes and fittings:

- DN 20 – hot and cold water pipe (HW + CW)
- DN 20 – ring main (loop)
- Testing the rough-in for leaks (in accordance with EN 806-4 / DIN 1988-200)
- Flushing the pipes after rough-in (in accordance with EN 806-4 / DIN 1988-200)

Special features / comments

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Electrical installation 1

Planning for the VERTICAL SHOWER^{ATT} can be checked for completeness more easily with this checklist.

Fuse box with electrical components

- outside the wet zone
- accessible for inspection
- 5 – 35 °C / 41 – 95 °F ambient temperature
- Space required for electrical components in the fuse box: min. 500 x 500 x 150 mm / 1 ft 7-3/4" x 1 ft 7-3/4" x 6" (inside)

Provided by customer:

- Safety cut-out (6 A, Typ B)
- Ground fault circuit interrupter (30 mA, 2-pin, type A)
- 1 x Circuit-breaker switch (16 A)
- 2 x Rail mounting TS 35
- Equipotential bonding rail
- A network socket wired in accordance with TIA 568A, if necessary
- Equipotential bonding at the fuse box and within the fuse box (4 mm² / AWG 11)

Special features / comments

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Electrical installation 2

Planning for the VERTICAL SHOWER^{ATT} can be checked for completeness more easily with this checklist.

Installation

- Electrical installation must be carried out by a professional specialist, in accordance with DIN VDE 0100.
- Do not roll up excess cable lengths. Shorten the excess cable lengths or fasten them in a meandering pattern.
- 5 x equipotential bonding 4 mm² / AWG 11 for the WATER CURVE / WATER SHEET, 2 x WATER FAN / 2 x WATER BAR and hand shower set
- The VBUS connection of electrical components (daisy chain) must end with a terminator.
- Daisy chain in accordance with the planning information
- The total length of the daisy chain may not exceed 30,000 mm / 98 ft 5-1/8".
- The concealed rough parts for eVALVES and SMART TOOLS control elements, as well as the VBUS cable must be fitted and tested before the pre-wall is closed.
- 90 mm / 3-1/2" minimum horizontal and/or vertical distance (centre / centre) for SMART TOOLS control elements
- The distance must never be less than this!
- Ø 56 mm / Ø 2-1/4" drilled hole in the panelling for the control elements SMART TOOLS concealed rough parts
- 42±1 mm x 42±1 mm / 1-5/8" x 1-5/8" cutout in the wall construction (tiles, natural stone, etc.)

Special features / comments

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Concealed rough parts

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Dry construction / plumbing

Planning for the VERTICAL SHOWER^{ATT} can be checked for completeness more easily with this checklist.

Checks to be made:

- Recess depths (min. / max.) the wall (and ceiling, if applicable)
- The mounting and horizontal alignment of the eVALVE concealed rough parts
- The mounting of the waterproof packing (eVALVE concealed rough parts, SMART TOOLS concealed rough parts)
- 900 mm / 2 ft 11-3/8" minimum distance between the circulation pipe connection (C) and the first eVALVE of the VERTICAL SHOWER^{ATT}

Required nominal diameter (DN) for pipes and fittings:

- DN 20 – hot and cold water pipe (HW + CW)
- DN 20 – ring main (loop)

In the main pipe:

- Filter
- Pressure reducing valve
- Water softener, if necessary
- Speed-controlled pressure booster, if necessary

Component mounting and accessibility for inspection:

- 2 x stop valve (DN 20)
- 2 x Dirt trap (DN 20)
- Report on testing the concealed rough parts for leaks in accordance with EN 806-4 / DIN 1988-200
- Report on flushing the pipes after rough-in, in accordance with EN 806-4 / DIN 1988-200

Special features / comments

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Electrical installation

Planning for the VERTICAL SHOWER^{ATT} can be checked for completeness more easily with this checklist.

Checks to be made:

- Maximum distances: fuse box, JUST RAIN, concealed rough parts for eVALVE, SMART TOOLS
- Electrical installation must be carried out by a professional specialist, in accordance with DIN VDE 0100. Please conform to national statutory regulations, where different.

Dimensions, positions and accessibility for inspection, mounting if necessary:

- Fuse box with 2 x DIN rail mountings TS 35 and an equipotential bonding strip
- Minimum distances: JUST RAIN (ceiling), concealed rough parts for eVALVE, SMART TOOLS
- All cables installed without damage.
- VBUS cables between the WATER CURVE / WATER SHEET, 2 x WATER FAN / 2 x WATER BAR, hand shower set and SMART TOOLS control elements
- Daisy chain in accordance with the planning information
- Excess cable lengths not rolled up. Cables shortened
- Test all cables.

Arriving at the fuse box:

- 5 x equipotential bonding 4 mm² for the JUST RAIN, WATER CURVE / WATER SHEET, 2 x WATER FAN / 2 x WATER BAR and hand shower set.

In the fuse box:

- Safety cut-out (6 A, type B)
- Ground fault circuit interrupter (30 mA, 2-pin, type A)
- 1 x circuit-breaker switch (16 A)
- Network connection in accordance with TIA 568A, if necessary

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Exposed trim parts / commissioning

Planning for the VERTICAL SHOWER^{ATT} can be checked for completeness more easily with this checklist.

Checks to be made:

- (Hot and cold water) pipe flushing at JUST RAIN
- Flush each concealed body separately before fitting the eVALVES.
- Report on flushing the pipes after rough-in, in accordance with EN 806-4 / DIN 1988-200, if necessary
- Completeness of the scope of supply of the concealed rough parts - Once the packaging is open, install the components immediately.-
- The mounting and horizontal alignment of JUST RAIN
- VERTICAL SHOWER^{ATT} fully and securely mounted (JUST RAIN, WATER CURVE / WATER SHEET, 2 x WATER FAN / 2 x WATER BAR, hand shower set, SMART TOOLS control elements, electrical components)
- Accessibility for inspection (electricians and components for the hot and cold water pipe)
- Daisy chain in accordance with the planning information
- Terminator at the end of the VBUS cables
- Components provided by customer fully and securely mounted
- Nameplate in the fuse box attached where it can be seen (e.g. door)
- Voltage in the fuse box (100 – 240 V AC, 12 V DC)
- Motherboard cable wires connected correctly.

Commissioning:

- Open the cutoff for the cold and hot water supply.
- Carry out diagnosis with eASSIST 2.X.
- Make settings with eASSIST 2.X (if asked by customer)
- Check all the functions of the VERTICAL SHOWER^{ATT} individually in accordance with the operating manual.
- Instruct the operator / owner how to operate the VERTICAL SHOWER^{ATT}.
- Hand over the Quick Info and operating manual, if applicable.
- Confirm that the VERTICAL SHOWER^{ATT} is working perfectly:

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 Signature (operator / owner of the VERTICAL SHOWER^{ATT})

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Person responsible for planning

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Fitter

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Electrician

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