



Dornbracht

Leg 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 or 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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Electrician

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Service partner / Dornbracht

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Address

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E-Mail

Plumbing installation 2

Planning for the LEG 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 0.6 l/s / 0.2 gps, DN 75
- The following components for the hot and cold water pipe (HW + CW) 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), System Plate.
- 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 System Plate
- 2,800 mm / 9 ft 2-1/4" maximum distance of the System Plate to the centre of the concealed rough parts for the LEG SHOWER^{ATT}
- 500 mm / 1 ft 7-3/4" minimum height difference between the top edge of the finished floor (TEFF) and the System Plate (centre of the xGRID track)

Required nominal diameter (DN) for pipes and fittings:

- DN 20 – hot and cold water pipe (HW + CW)
- 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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Order number (SO)

City

Date

Service partner / Dornbracht

Person responsible for planning

Fitter

Electrician

Dry wall construction

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

Pre-wall system

- Compliance with building services fire protection.
- 500 mm / 1 ft 7-3/4" minimum height difference between the top edge of the finished floor (TEFF) and the System Plate (centre of the xGRID track)
- 350 x 600 mm / 1 ft 1-5/8" x 1 ft 11-5/8" minimum size of the inspection opening
- 250 mm / 10" minimum thickness of the lightweight wall

Note the recess depths of the components:

- | | | |
|--|----------------|---------------------------|
| <input type="checkbox"/> Bench with LEG SHOWER ^{ATT} concealed rough parts | | |
| External length (recommended) | 1,600 mm / | 5 ft 3" |
| Sides (recommended) | 850 x 400 mm / | 2 ft 9-5/8" x 1 ft 3-5/8" |
| Seat (recommended) | 550 x 800 mm / | 1 ft 9-5/8" x 2 ft 7-1/2" |
| Shower area (recommended) | 800 x 300 mm / | 2 ft 7-1/2" x 11-3/4" |
| <input type="checkbox"/> Bench / wall with SMART TOOLS control elements | min. 141 mm / | 5-1/2" |
| <input type="checkbox"/> Maximum thickness of the panelling for the SMART TOOLS control elements | 30 mm / | 1-1/8" |
| <input type="checkbox"/> Construction (tiles, natural stone, etc.), for the SMART TOOLS control elements | 7 – 25 mm / | 1/4" – 1" |
| <input type="checkbox"/> System Plate | 72 mm / | 2-7/8" |
- 500 mm / 1 ft 7-3/4" minimum seat height
 - The weight of the bench construction must not be carried by the LEG SHOWER^{ATT}.
 - The customer must provide suitable fixing materials for the particular floor.

Special features / comments

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Electrical installation 1

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

Positioning

- The System Plate and power supply installations must be physically separate.
- The System Plate must not be installed above the power supply.

System Plate

- 2,800 mm / 9 ft 2-1/4" maximum distance of the System Plate to the centre of the concealed rough parts for the LEG SHOWER^{ATT}
- 500 mm / 1 ft 7-3/4" minimum height difference between the top edge of the finished floor (TEFF) and the System Plate (centre of the xGRID track)
- Accessible for inspection
- 5 – 40 °C / 41 – 104 °F ambient temperature

Fuse box with electrical components

- 12,000 mm / 39 ft 4-3/8" maximum distance to the System Plate
- 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, type B)
- Earth-leakage circuit breaker (30 mA 2-pin, type A)
- 1 x circuit-breaker switch (16 A)
- 2 x rail mounting TS 35
- Equipotential bonding strip
- Equipotential bonding at the fuse box and within the fuse box (4 mm² / AWG 11)
- 1 x Conduit Ø 20 mm / Ø 3/4" up to max. 12,000 mm / 39 ft 4-3/8" (for Potential equalization cable and ethernet cable from fuse box to System Plate)
- 1 x conduit Ø 20 mm / Ø 3/4" to max. 12,000 mm / 39 ft 4-3/8" (for the power supply from the fuse box to the System Plate)
- Do not run the power supply through the same conduit with equipotential bonding or Ethernet.

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Electrical installation 2

Planning for the LEG 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
- As part of the cable length is required for connection, the conduits must be correspondingly shorter.
- Do not roll up excess cable lengths. Shorten the excess cable lengths or fasten them in a meandering pattern.
- 1 x equipotential bonding 4 mm² for the System Plate
- 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 the LEG SHOWER^{ATT} and control elements SMART TOOLS, 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 LEG SHOWER^{ATT} can be checked for completeness more easily with this checklist.

Checks to be made:

- A bench construction with adequate structural strength
- A slight slope to the top of the bench
- The weight of the bench construction must not be carried by the LEG SHOWER^{ATT}.
- Recess depths (min. / max.) in the bench and the wall
- The mounting and horizontal alignment of the LEG SHOWER^{ATT} concealed rough parts
- The mounting of the waterproof packing (LEG SHOWER^{ATT} 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 System Plate

Required nominal diameter (DN) for pipes and fittings:

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

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)
- 2 x Y press and flush device

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

Checks to be made:

- Maximum distances: fuse box, System Plate, concealed rough parts for the LEG SHOWER^{ATT}, SMART TOOLS control elements
- Conduits in accordance with the planning information
- 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:

- Space must be provided for the System Plate.
- Fuse box with 2 x DIN rail mountings TS 35 and an equipotential bonding strip
- Minimum distances: System Plate (floor), SMART TOOLS control elements
- All cables installed without damage.
- VBUS cables between System Plate and SMART TOOLS control elements
- Daisy chain in accordance with the planning information (terminator in the LEG SHOWER^{ATT} control element (display switch)).
- Excess cable lengths not rolled up. Cable shortened or fastened in a meandering pattern.
- Test all cables.

Arriving at the fuse box:

- 1 x power supply (12 V DC, 5 A)
- 1 x equipotential bonding 4 mm² / AWG 11 for the System Plate

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)

Special features / comments

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Person responsible for planning	Fitter	Electrician

Exposed trim parts / commissioning

Supervision of final assembly and LEG SHOWER^{ATT} commissioning are easier with this checklist.

Checks to be made:

- (Hot and cold water) pipe flushing at the LEG SHOWER^{ATT}
- Flush each outlet point before fitting the exposed trim parts.
- Report on flushing the pipes after rough-in, in accordance with EN 806-4 / DIN 1988-200
- Completeness of the scope of supply of the concealed rough parts - Once the packaging is open, install the components immediately. -
- LEG SHOWER^{ATT} fully and securely mounted (4 x WATER BAR, SMART TOOLS control elements, electrical components)
- Accessibility for inspection (System Plate, electrics 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)
- Power supply cable wires (12 V DC) connected correctly at the DC filter.
- Voltage at the System Plate (power supply unit output) (12 V DC)

Commissioning:

- Open the cutoff for the cold and hot water supply.
- Check all the functions of the LEG SHOWER^{ATT} individually in accordance with the operating manual.
- Instruct the operator / owner how to operate the LEG SHOWER^{ATT}.
- Hand over the Quick Info and operating manual.
- Confirm that the LEG SHOWER^{ATT} is working perfectly:

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

Special features / comments

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Fitter

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Electrician

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