

TR 2810

Shower Panel



Operating manual



Always study this manual carefully before operating the Shower Panel.

Operating instructions and recommended maintenance procedures are explained in the following pages.

If you have any questions regarding the operation or maintenance of your Shower Panel and cannot find the answer in this manual, please contact us.

Only qualified staff, who understand all operating and safety procedures may operate this equipment.

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Operating manual for:

Product	Description	Art no
TR 2810	Shower Panel	0520070

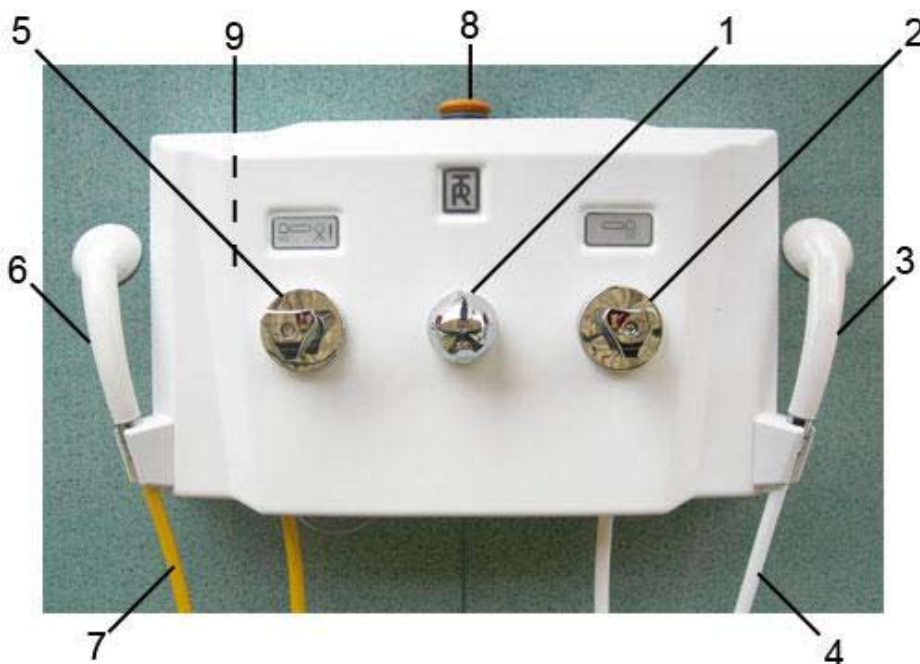
Features and Controls

Hot and cold water supply for patient shower:

1. Thermoscopic mixer
2. Valve for patient shower
3. Shower spray handle
4. Patient shower hose **white**

Cold water supply: for cleaning

5. Safety valve for equipment cleaning
6. Cleaning spray handle. **NOTE:** Never to be used on patients.
7. Cleaning shower hose **yellow**
8. Cleaning detergent filling
9. Cleaning flow setting valve inside panel, see calibration



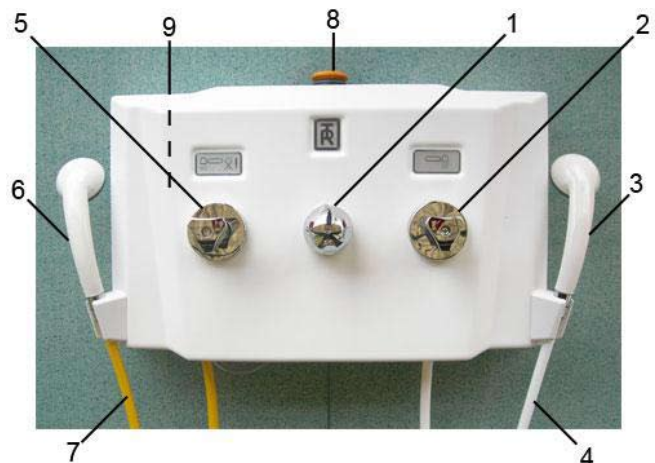
Operating Procedures - Showering

The Shower/Cleaning Panel System has a thermoscopic mixer for regulating the water temperature and a valve for the patient shower handle.

Shower Panel Operation when used in combination with a Shower Trolley

The thermoscopic mixer (1) is in the centre on the Panel and the shower valve (2) and the patient shower handle (3) are located on the right hand side on the Panel.

1. Remove the shower handle (3) with the **white shower hose** (4) from its bracket and hold it over the Shower Trolley, away from the patient.
2. Open the shower valve (2).
3. Set the themoscopic mixer (1) to a suitable temperature. Physically test water temperature on your arm and alter the themoscopic mixer setting(1) when necessary.
4. Adjust the water flow with the shower valve (2).
5. Shower, shampoo and then rinse patient , with the shower handle (3).
6. After showering, close the shower valve (2) and return the shower handle back to its bracket on the right hand side on the Panel.



The patient shower handle is also used for rinsing Shower Trolley stretcher and mattress before detergent cleaning.

Operating Procedures - Cleaning

NOTE: Never to be used on patients. Only for equipment cleaning.

The cleaning spray handle (6) with the **yellow shower hose** (7) is located on the left hand side on the Panel in a bracket.

The cold water flow, to minimize inhalation of the mixed cleaning detergent steam, is controlled by a safety valve (5) located on the left side on the Panel.

Cleaning detergent is automatically mixed with the cold water, in a preset concentration of approx 2 %, determined by a mixing setting screw (9) on the injector inside the Panel. When a various calibration is required, see separate description.

Depending on the viscosity of the cleaning detergent, the water flow and water pressure in the building, it might be necessary to adjust and calibrate the system to get the desired mixture of the concentrated cleaning detergent and the water.

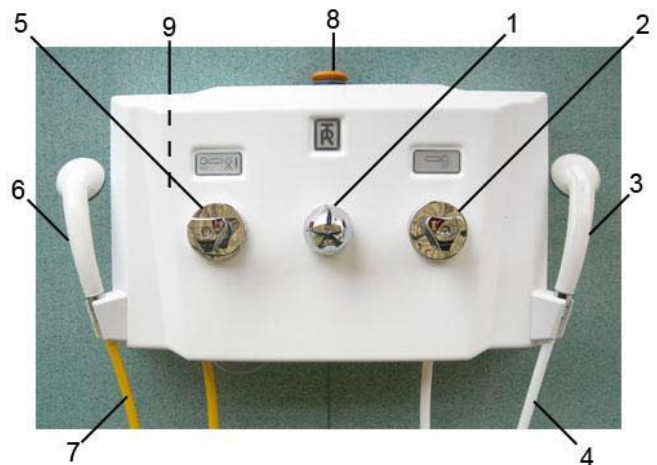
Using the Cleaning System

1. Fill the bottle (inside the Panel) with (1,5 litre/0,4 gallons) concentrated cleaning detergent. Carefully lift the bottle straight up and remove the lid (8). After filling secure the bottle lid and return the bottle to its place.
2. Remove the cleaning handle (6) with the yellow hose (7), from its bracket on the left hand side on the Panel and hold it over the shower trolley, if used.
3. Push and turn anticlockwise to open the safety valve (5) to the left on the Panel and briefly spray the cold cleaning mixture onto the equipment while you by colour, smell or foam observe the cleaning mixture.
4. Clean the equipment over all surfaces. Remove resi-

due and debris with cloth or brush.

5. Close the safety valve by pushing and turning it clockwise, before you return the shower handle to its bracket.
6. Use patient shower handle (3) to rinse all surfaces with fresh water.

WARNING: Avoid skin or eye contact with cleaning/detergent, which can be highly corrosive. Always read and follow detergent supplier instructions carefully. If contact is made rinse immediately with water. If irritation occur please consult a medical doctor.





Operating Procedures - Cleaning

Calibrating the detergent mixture of the Cleaning System

Detergent is automatically mixed with the water, in a pre-set mixture, at the factory, of 2%.

If an alternatively calibration is needed follow the instructions below to achieve a mixture of 2% or what is recommended by your detergent supplier.

To calibrate the mixing setting screw (9) placed on the injector inside the Panel, requires a thin screwdriver a measuring cup with a capacity of at least 20 cl/8 ounces and a bucket with at least 10 litres/3 gallons capacity.

- A. Remove the Panel cover.
- B. Empty the detergent bottle by loosen its hose from the injector. When empty connect the hose to the injector again.
- C. Fill the measuring cup with 20 cl/8 ounces concentrated detergent, open the detergent bottle lid (8) and pour it into the bottle.
- D. Hold the cleaning spray handle (6) with yellow hose over the 10 litres/3 gallons bucket for filling.
- E. Turn the cleaning safety valve (5) to full open position and spray into the bucket.
- F. Observe level when bucket fills, while bottle empties. Bucket should reach 10 litres/3 gallons mark at the same time that bottle empties. If bucket fills first, turn the detergent mixing setting screw (9) slightly anti-clockwise, using the screwdriver. If bottle empties first, turn the detergent mixing setting screw (9) slightly clockwise.
- G. Repeat procedure A-F until the mixture is as required.

H. Close cleaning safety valve (5), and return the cleaning handle (6) to the bracket on side of Panel.

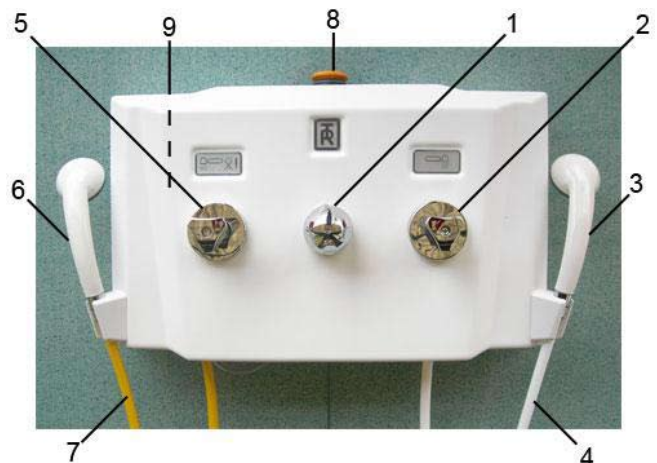
I. Attach the Panel cover.

The cleaning system is now ready for use. See detergent filling previous page.

Once the proper concentration setting is established, no further calibration is required unless a different detergent, is used.

NOTE: Mixture should be calibrated in accordance to your detergent supplier.

WARNING: Avoid skin or eye contact with cleaning mixture, which can be highly corrosive. Always read and follow detergent supplier instructions carefully.





Safety and Control Instructions

The recommended maintenance procedures will depend on the hardness of your water supply and it is good practice to establish these routine instructions on a weekly basis and then adjust the frequency as your conditions indicate.

- Only qualified staff, who understand all operating and safety procedures may operate the Shower Panel.
- Always physically check water temperature before and during showering and that the thermoscopic mixer functions properly.
- Read the separate product manual for calibrating the thermostat.
- Make sure that both valves (2 and 5) on the front of the Panel are closed after each use.
- Make sure that the bottle (8) is filled with concentrated cleaning detergent before cleaning.
- Do not use solvent based cleaning liquids, iodine based detergent, bromine or methylene blue or a nonabrasive type cleaner.
- Do not use any cleaning detergent containing more than 40% of alcohol.
- After cleaning, rinse with fresh water.
- Clean the strainers on the patient and cleaning shower heads in hot water and rub it with your thumb.
- Make sure that hoses, controls, connections and mixer are free from damages.
- Shower Panel should not be used if defects are noticed. Prompt service is required.

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Warranty and CE mark

TR warrants that its products are free from defects in materials and workmanship for a period of one year from the date of delivery.

This warranty obligation shall be limited to the repair, adjustment and/or replacement of defective parts.

TR warrants that service or repairs of products no longer in warranty will be performed in a workman like manner and warrants them for a period of 30 days, when performed by service personnel authorised by TR.

This warranty is in lieu of any other warranty or representation, expressed or implied.

Warranties of MERCHANTABILITY or FITNESS FOR ANY PARTICULAR USE OR PURPOSE are expressly excluded.

TR will not be responsible for any expenses, inconvenience or incidental or consequential damages occasioned by the use, loss of use, or misuse of the products, or by the failure of the products to conform to the warranty set forth above.

This warranty becomes void if the product shows evidence of mishandling, tampering, installation or use contrary to the applicable instruction materials, shipping damage, or repair performed by other than service personnel authorised by TR. Routine cleaning, adjustment, and normal cosmetic and mechanical wear are not covered by this warranty.

TR reserves the right to make design changes and/or improvements without notice.

CE mark

Certificate of registration at the LÄKEMEDELSVERKET, Medical products agency, in Sweden
Dnr.452:2008/83584.

Free sales certificate at the LÄKEMEDELSVERKET, Medical products agency, in Sweden



Technical Specifications

Width	580 mm / 23"
Height	360 mm / 15"
Depth)	130 mm / 5"
Recommended mounting height from floor	1250 mm / 49"

Made in Sweden

Manufactured by: Tranås Rostfria AB

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