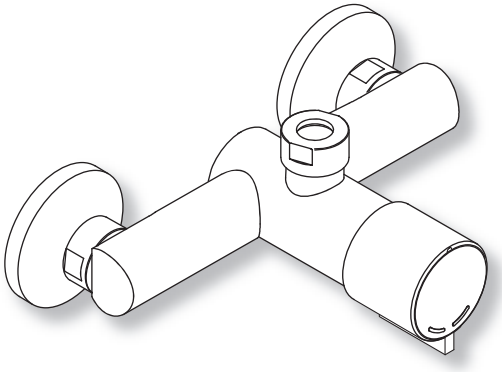
Exposed Timed Flow Shower with Adjustable Temperature Control NC140CP

Installation and Maintenance Instructions



Intatec Ltd
Airfield Industrial Estate
Hixon
Staffordshire
ST18 0PF

Tel: **01889 272 180**
Fax: **01889 272 181**
email: **sales@intatec.co.uk**
web: **www.intatec.co.uk**

In this procedure document we have endeavoured to make the information as accurate as possible.
We cannot accept any responsibility should it be found that in any respect the information is inaccurate or incomplete or becomes so as a result of further developments or otherwise.

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Introduction

This installation guide has been produced for the timed exposed shower with adjustable temperature control.These instructions cover the installation, operation and maintenance. Please read the enclosed instructions before commencing the installation of this product, please note;

We recommend that the installation of any Inta product is carried out by an approved installer.

The installation must be carried out strictly in accordance with the Water Supply (Water Fitting) Regulations 1999 and any local authority regulations.

If in doubt we recommend that you contact WRAS - Water Regulations Advisory Scheme on Tel: 0333 207 9030, your local water authority - details available on the WRAS website or the Chartered Institute of Plumbing and Heating Engineers on Tel: 01708 472 791.

All products MUST be re-commissioned to suit site conditions to ensure optimum performance levels of the product are obtained.

It is recommended, especially in hard water areas, that a water softener such as the ActivFlo or ActivFlo lite be fitted to reduce the risk of calcium deposits forming.

Safety

This shower must be installed and commissioned correctly to ensure that water is supplied at a safe temperature to suit the users.

In order to prevent scalding, the hot water supply should be connected to the shower via an Intamix TMV. It is recommended that a service valve is installed in the cold water supply pipe and the thermostatic mixing valve should have connections containing an isolating valve, in order to isolate the mixer should future servicing be required.

The British Burns Association recommends 37 to 37.5°C as a comfortable washing temperature for children. In premises covered by the Care Standard Act 2000, the maximum mixed water outlet temperature is 43°C.

Products

Timed Flow Shower with Adjustable Temperature Control - Exposed	NC140CP

Check Content

Before commencing remove all components from packaging and check each component with the contents list.

Ensure all parts are present, before discarding any packaging. If any parts are missing, do not attempt to install your Inta shower valve until the missing parts have been obtained.

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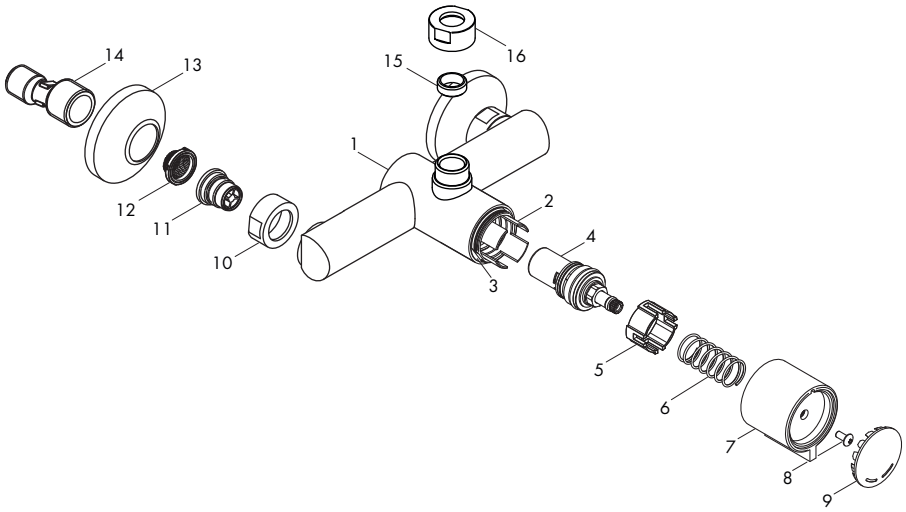
Components - Shower Valve



Item	*Qty*	*Component*	*Item*	*Qty*	*Component*
1	1	Shower body	9	1	Cover
2	1	Outer cartridge sleeve	10	2	Union nut
3	1	Outer cartridge retaining ring	11	2	Check valve
4	1	Cartridge	12	2	Filter sealing washer
5	1	Plastic centraliser	13	2	Concealing plate
6	1	Return spring	14	2	Off-set connectors
7	1	Control knob	15	1	Olive
8	1	Retaining screw	16	1	Compression nut

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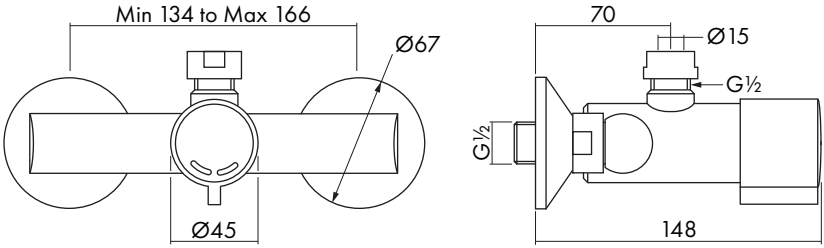
Technical Data

This Inta Time Flow shower valve is suitable for installations on all types of plumbing system, including gravity supplies, fully pumped, modulating combination boiler, unvented water heater and unbalanced supplies i.e. Cold Mains & Tank Fed Hot. They are not suitable for non-modulating combination boilers.

Max Inlet Pressure (Static)	6 bar
Max Inlet Pressure (Range)	2 to 4 bar
Min Operating Pressure (Dynamic)	1 bar
Flow Time	15 sec ± 5
Temperature range:	5 to 65˚C
Inlet Connections (Body only)	G½
Outlet Connection	15mm compression

Dimensions



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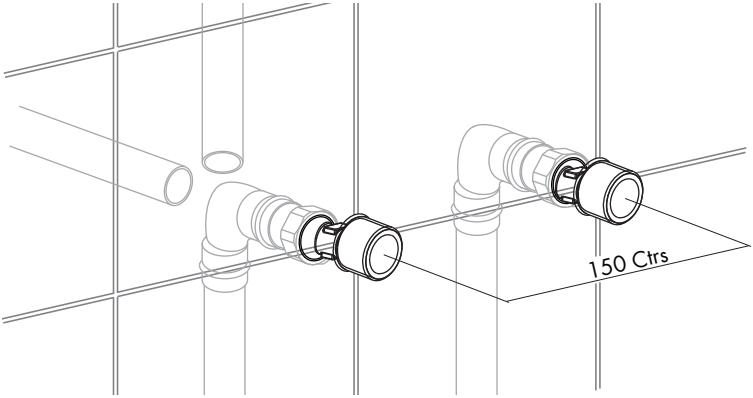
Site Preparation

It is important to plan the installation thoroughly to suit site conditions before commencing.

- Before commencing the installation ensure site conditions are suitable.
- The shower mixing valve is designed for concealed pipework, whether in a solid or studded wall.
- The thickness of wall tiles, plaster or plaster board should all be considered when routing the hot and cold supply pipes.
- The valve requires the offset connectors to have 150mm centres and sufficient thread must protrude from the finished tiled surface to allow the concealing plates to be fitted and the union nuts to be fully tightened.
- Ensure the shower valve will be horizontal when installed.
- The supply pipes can come from below, above, the side or through the wall.
- The supply pipes and offset connectors must be firm and secure to support the shower mixing valve. If not embedded into the wall with plaster the pipes should be fixed securely to the studding or by using a mounting plate (not supplied).
- Angle tap swivel connectors or compression/solder fittings can be used to connect the pipes (not supplied).
- The whole system should be thoroughly flushed, prior to the connection of the hot and cold water supplies to the bath-shower mixing valve, to remove any debris that may be in the supply pipework.
- Ensure there are no joint leaks before finishing the wall.
- Isolation valves must be fitted in an accessible position to both the hot and cold supplies should the valve need to be isolated in the future for servicing.



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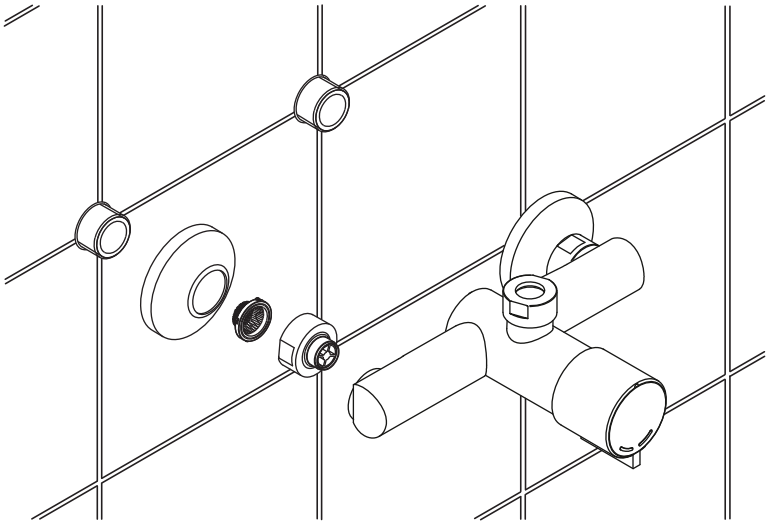
Installing the Shower Valve

- Seal the gaps between offset connectors and tiles with mastic.
- Place the concealing plates, with a bead of mastic on the back, over the hot and cold offset connectors and press firmly to the wall.
- Fit the shower valve to the offset connectors ensuring that the filter sealing washers are fitted and hand tighten the union nuts.
- Using a suitably sized spanner, tighten the union nuts taking care not to damage the finish on the shower valve, do not over tighten.
- Connect the shower valve to the shower outlet using chrome plated copper pipe using the compression joint at the top of the shower valve, do not over tighten.



Note:

The installation shown is for the pipework embedded in to the wall or for a stud wall.

The shower mixing valve can also be installed using surface mounting brackets or a concealed mounting bracket.

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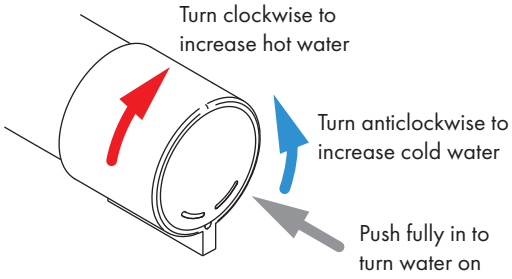
Operating

- To operate the shower push the control knob until it contacts a stop and then release, mixed water will then flow for approximately 15 seconds.
- Rotating the control knob anticlockwise progressively closes the hot water port and opens the cold water port until it is fully open when only cold flows through the shower.
- Rotating the control knob clockwise progressively closes the cold water port and opens the hot water port until there is only hot water flowing through the shower.



Aftercare

Inta shower mixing valves have a high quality finish and should be treated with care.

An occasional wipe with a mild washing-up liquid on a soft damp cloth followed by a thorough rinsing is all that is required.

Do not use an **abrasive** or **chemical household cleaner** as this may **cause damage**.

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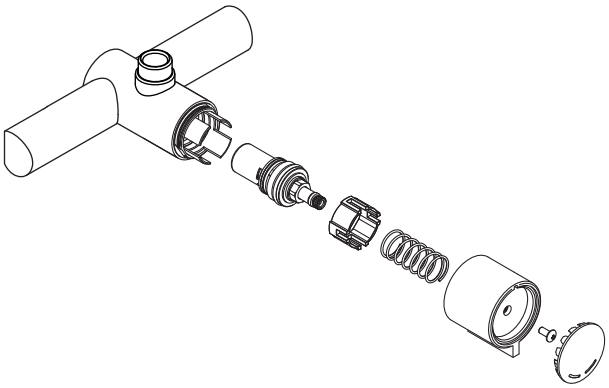
Servicing Instructions

- If the control knob cannot be depressed fully or does not return to its original position within 15 seconds, or the temperature cannot be adjusted easily or water does not flow in a steady stream the shower valve may need require servicing.
- Isolate the hot and the cold supplies using the independent isolating valves (not supplied) in the supply pipes.
- Remove the cover, unscrew the retaining screw and carefully remove the control knob ensuring the return spring does not escape and cause injury.
- Remove the plastic centraliser by pulling out of the outer collar of the body.
- Using a spanner remove the cartridge from the body. Remove any debris that may have collected within the body, ensure the stem rotates freely and can be depressed.
- Do not attempt to dismantle any part of the cartridge, if necessary replace with a new cartridge.
- Check the 'O' rings and return spring for any sing of damage and replace if necessary.
- Using washing up liquid as a lubricant, to ease assembly and prevent damage to the 'O' rings, re-assemble the cartridge into the body and tighten.
- Re-assemble the other components in the reverse order and turn on the water supplies.
- Check the shower for leaks and correct operation.



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Spares

A full range of spares are available for this product.

PLEASE NOTE: Only genuine spares should be used.

Problem Solving

The following details are supplied for on site queries, should you require any further assistance our Technical Department can be contacted directly on 01889 272199.

Fault	Solution
Showering temperature is not hot enough.	Ensure the hot water supply is at a constant temperature above 60°C. Check for air locks in the pipework.
The water goes cold during showering.	Insufficient stored hot water. When used with a combi boiler confirm that the boiler is still firing. Adjust the boiler to a minimum setting of 65°C which may not necessarily be the best flow rate.
When the water is set at cold, the showering temperature is too hot.	The hot and cold supply connections have been made in reverse.
The maximum showering temperature is too hot or when set to hot water runs to cold.	Check the commissioned maximum temperature of the shower valve. Check the connections to the valve have not been made in reverse.
The flow of water from the shower valve is low.	Check the filters are clean and the supply pressure is above 1.0 bar.
No flow of water	Check that there is hot and cold water flow to the valve. Ensure the check valves are not closed.

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Notes

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Notes

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To active your product warranty please visit

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and click on Product Registration

Intatec Ltd
Airfield Industrial Estate
Hixon
Staffordshire
ST18 0PF

Tel: **01889 272 180**
Fax: **01889 272 181**
email: **sales@intatec.co.uk**
web: **www.intatec.co.uk**

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