



Installation Instructions and User Guide

**NEWTEAM 100 SERIES
THERMOSTATIC MIXER SHOWER**

**IN THE EVENT OF ANY QUERY PLEASE CONTACT
THE NEWTEAM CUSTOMER HELPLINE**

Tel : 01536 264 012

NewTeam

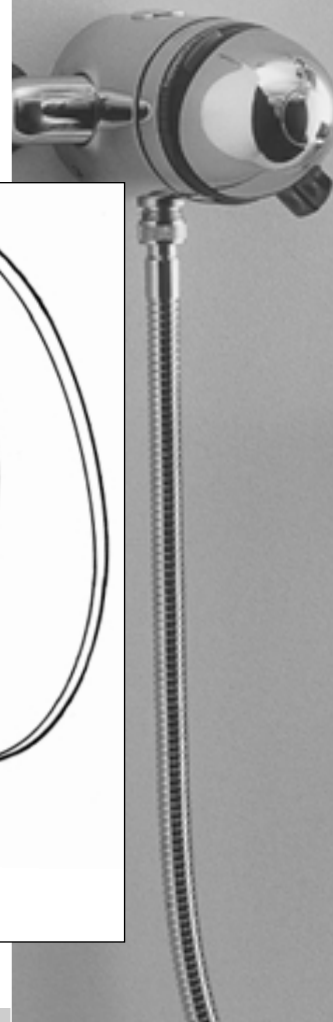
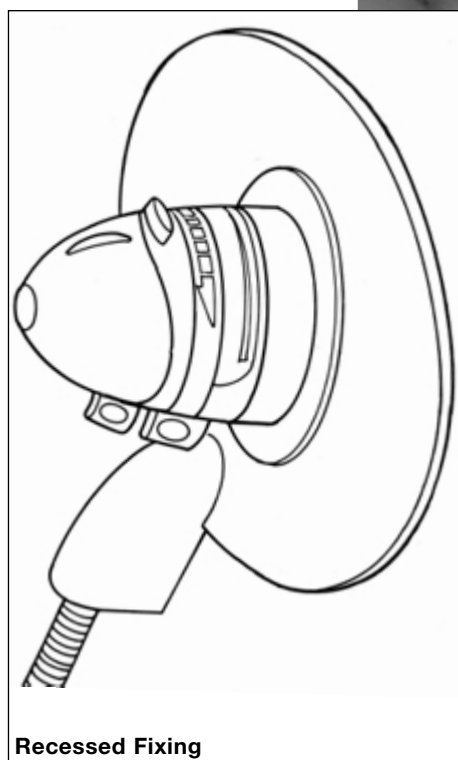
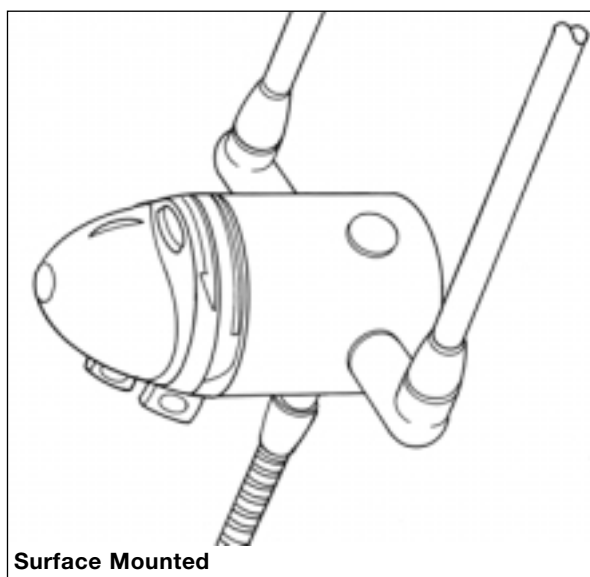
**PLEASE KEEP THIS BOOKLET
FOR FUTURE REFERENCE**

**DEAR INSTALLER WHEN YOU HAVE READ THESE INSTRUCTIONS
PLEASE ENSURE YOU LEAVE THEM WITH THE USER**

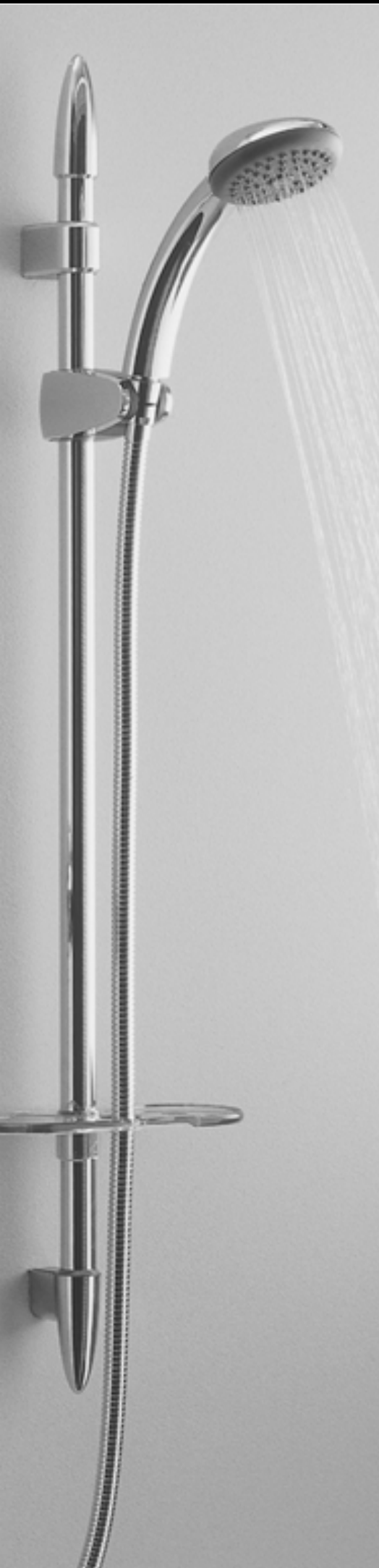
NewTeam 100 Series

- High flowing valve, designed to work on low water pressures, whilst also capable of operation on up to 5.0 bar mains pressure.
- High quality brass bodied valve using ceramic disc technology.
- Adjustable push button temperature limit over-ride.
- Servicing from front of valve, even when recessed.
- Brass swivel elbows with push-fit fittings to suit top, bottom or rear entry pipework.
- Elegant styling.
- Separate temperature and flow controls with easy to use levers.

Please note manual valve has only one lever to control both the flow/temperature



Contents



Installation and Operating Instructions for NewTeam Thermostatic Mixer Shower

• 100 Series

Please read this booklet carefully and ensure a competent person undertakes the installation.

Note: Following the headings in sequence will guide you through the installation and operation of your NewTeam 100 Series Mixer Shower.

	Pages
PLANNING YOUR INSTALLATION	3
FITTING YOUR SHOWER	4 - 5
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• Recessed Mounting Fixing	
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Refer to back cover for Guarantee, Customer Service and Replacement Parts Policy. In the event of any query regarding installation please contact the NewTeam Customer Service Department

Tel: 01536 264 012 • Fax: 01536 409 201

E-mail: service@newteam.co.uk • E-mail: spares@newteam.co.uk

In line with our policy of continual product development the specifications may be varied and product design altered. We reserve the right to depart from the details given in this manual without prior notice.

General

The NewTeam 100 Series Mixer Valve is suitable for the following:

- High Pressure systems to a maximum of 5.0 Bar (50 Metre Head).
- Low Pressure systems with a minimum pressure of 0.1 Bar (1 Metre Head).
- Pumped Pressure.
- Mains Pressure.
- Unequal Pressure with a maximum differential of 10:1.
- 2 handsets included in box: 3 mode massage handset for pumped and high pressure systems, single mode handset for mains and low pressure systems.

Ideally the supplies should be independent of any other draw offs (e.g. bath/basin taps).

The temperature of your stored water must not exceed 65°C. A stored water temperature of 60°C is considered sufficient to meet all normal requirements in line with the British Standard 6700.

The Thermostatic Valve includes a Temperature Limit Stop which is pre-set at approximately 38°C thus preventing accidental selection of a shower temperature which is too hot.

If the minimum operating pressure cannot be achieved or you wish to improve the performance of your shower, NewTeam Booster Pumps are available.

Products with codes NT/123/T have a trim & recessing kit included in the box contents, enabling the valve to be either surface or recess mounted.

Products with codes NT/120/T are for surface mounting only.

IMPORTANT:

When connecting pipework do not solder within 300mm (12") of the valve or expose parts to excessive heat.

Before installing the Valve in a recessed position ensure that there is a distance of between 60mm and 68mm from the back of the Valve housing and the intended finished tile surface.

Plumbing - Fig 1

Please ensure compliance with all Water Supply (Water Fitting) Regulations paying particular attention to Clause 15, when connecting directly to incoming cold water mains.

The Mixer Valve must be sited to provide easy access for use and maintenance.

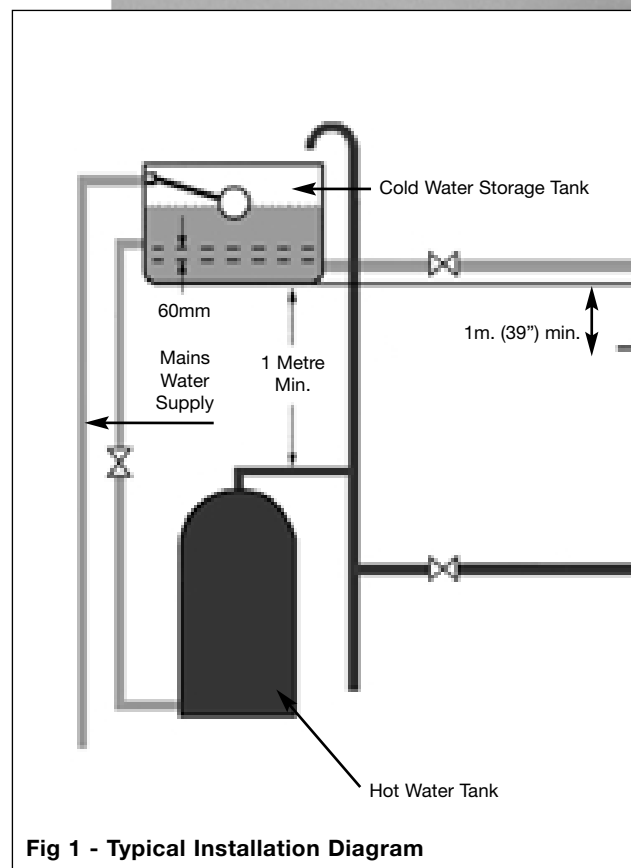
Install non-restrictive full flow isolating valves on the hot and cold supplies to the Mixer Valve.

Ensure the Mixer Valve is not positioned in an area subject to freezing.

Make the connection into the hot water supply pipe from the cylinder ensuring that it is the first draw off on the vertical pipe below the expansion pipe tee. If this is not possible a direct connection must be made from the hot water cylinder with an Essex flange.

The cold water supply should be taken directly from the cold water storage tank positioned 60mm below the cold connection which feeds the hot water cylinder.

Run the pipework to the valve at 150mm centres, using 15mm pipe and make the connections to the inlets as detailed in the 'Fitting your Shower' section (Pages 3-5). These can enter the Valve from either the top, bottom or rear.



Fitting Your Shower - Fig 2

FITTING THE 100 SERIES MIXER VALVE - SURFACE MOUNTED OPTION

1. Select the Mixer Valve position to suit the end user.
2. Using the back plate (1) as a template, mark the four fixing points, drill and fix using the screws and wall plugs provided. If the valve is to be fixed to plaster board or a similar material then a suitable fixing method should be used.
3. Bring the pipework to the Valve position at 150mm centres. **HOT ON THE LEFT, COLD ON THE RIGHT** as indicated by the red and blue collets supplied. (If pipework is reversed please refer to page 8 on reversing cartridge instructions).
4. Flush out pipework before fixing the Valve.
5. Place the Valve onto the fixing plate and tighten the two grub screws (2).
6. Ensure that the 15mm pipe which is to enter the push fit connection is free of any sharp edges or burrs.
7. From the fully tightened position unscrew the inlet elbows (3) to the appropriate position to accept the incoming pipework. i.e. from the top, bottom or rear.
8. Slide the chrome ferrules (4) onto the pipework and push the end of the pipe into the push fit connection. At least 27mm of pipe must enter the fitting.

If chrome tube is being used remove 25mm of chrome from the end of the pipe.

When pipework enters from the rear of the Valve, chrome ferrules will not be required but split black rings (part no. SP-094-0008) are provided to cover the push-fit fittings.

9. Should it be necessary to remove the pipework from the push fit fitting, hold the grey collet against the elbow and pull the pipe out.
10. Slide the chrome ferrules over the push fit fitting and clip into place.
11. Ensure the Valve is turned off and then turn on the water supplies and check that the installation is water tight.

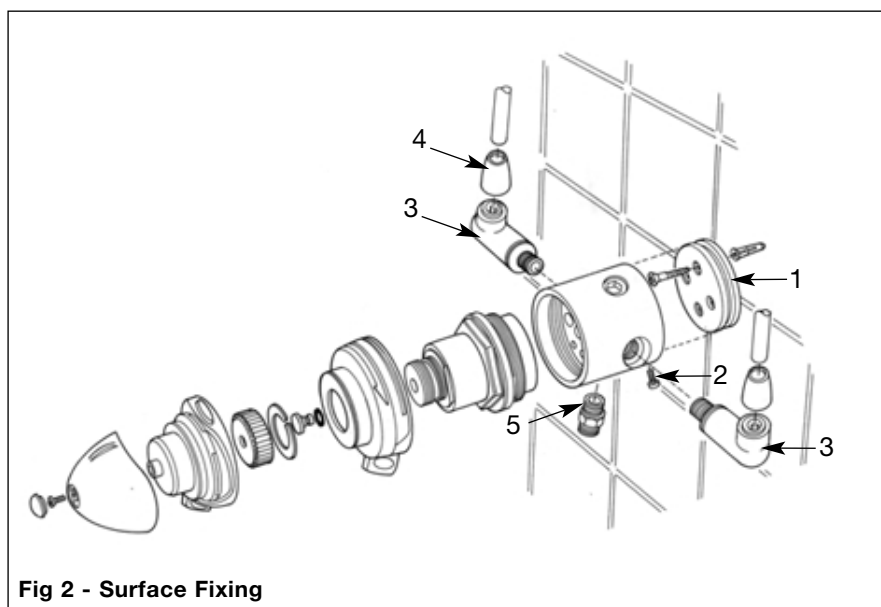


Fig 2 - Surface Fixing

Fitting Your Shower - Fig 3

FITTING THE 100 SERIES MIXER VALVE - RECESSED OPTION (NT/123/T ONLY)

Before installing the Valve in a recessed position ensure that there is a distance of between 60mm and 68mm from the back of the Valve housing and the intended finished tile surface.

1. It is essential that when installing a concealed mixing valve, full access to the valve can be achieved for servicing purposes. Rear access to the mixing valve is always preferred wherever possible (e.g. an airing cupboard or panelled walls), as this removes the need to disturb any tiling or decorating features at the front of the valve. Non-restricted isolation valve should be fitted on both supplies and ensure that they are accessible to maintain.
2. Select the Mixer Valve position to suit the end user.
3. Remove the two inlet elbows (1) and outlet connector (5) Fig 2 from the valve.
4. Place the valve into the recessed housing (2) and refit the two inlet elbows (1).
5. Secure the two grub screws (3).
6. Push the outlet connection (4) into position on the valve and secure with the two screws (5) provided.
7. In a suitable sized hole within the wall, fix the Valve and housing ensuring that there is a distance of between 60mm and 68mm from the back of the valve housing and the intended finished tiled surface.
8. Bring the pipework to the valve position at nominal 150mm centres.
9. Ensure that the 15mm pipes that are to enter the push fit fittings, are free of any sharp edges or burrs.
10. From the fully tightened position unscrew the inlet elbows to the appropriate position to accept the incoming pipework, i.e. for the top bottom or rear.
11. At least 27mm of pipe must enter the fitting. **If chrome tube is being used remove 25mm of chrome from the end of the pipe.**
12. Should it be necessary to remove the pipework from the push fit fittings, hold the grey collet against the elbow and pull the pipe out.
13. Turn on the water supplies and check that the installation is water tight.
14. Make good the wall, tile and grout.
15. If using a fixed head or remote elbow fitting, an outlet blank must be used in place of the outlet cover (15). This is provided within the Trim & Recessing Kit (SP-094-0031).

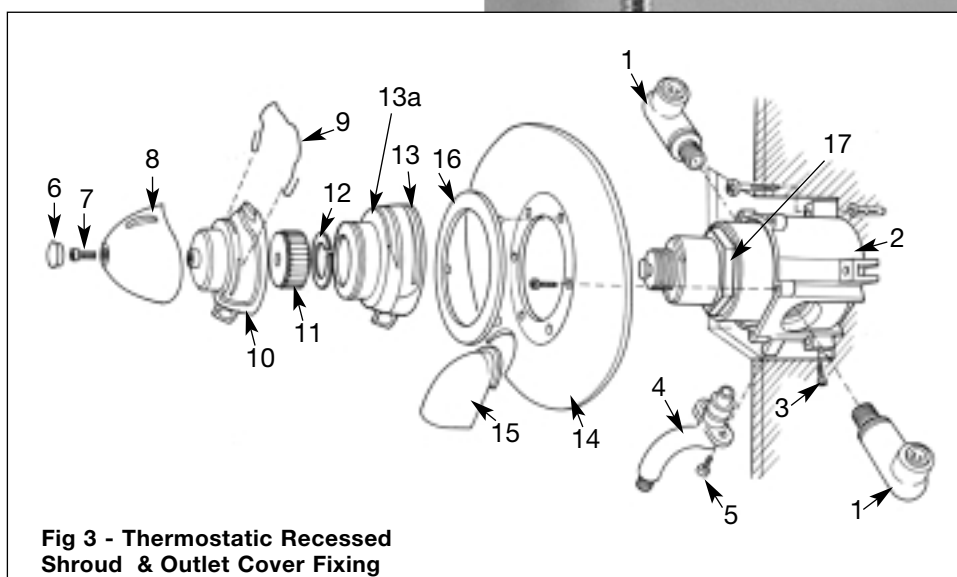


Fig 3 - Thermostatic Recessed Shroud & Outlet Cover Fixing





100 SERIES MIXER VALVE - Fig 4

The NewTeam 100 Series Mixer Valve has separate controls for both the temperature (1) and flow (2).

The NewTeam 100 Series Mixer Valve has been pre-set to give a shower temperature of 38°C at the temperature limit stop, preventing accidental selection of high temperatures.

If a higher showering temperature is required the override button can be depressed, allowing the valve to be rotated past the stop mechanism.

IMPORTANT:

When turning the flow control lever, the temperature control will remain in its pre-set position.

If the override button has been depressed, please ensure that the temperature control is returned to its original position to avoid accidental scalding.

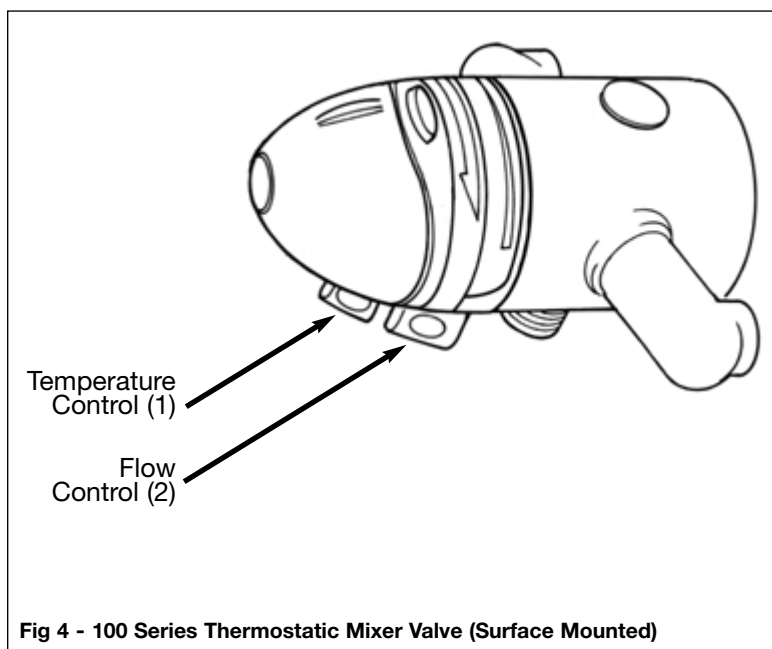


Fig 4 - 100 Series Thermostatic Mixer Valve (Surface Mounted)

Cardinal Rail Kit - Fig 5

Before proceeding with fitting the rail, identify each of the items supplied using the illustration.

No	Part Description
1	Rail end moulding
2	Rail end covers
3 & 4	Rail with slider attached
5	Soap dish
6	Rail guide
7	Rail guide cover
8	Rail cap
	Rail fixing screws & wall plugs

- The slider must not be removed from the rail during fitting. The top of the slider has a smooth profile, whereas the underside has a recess revealing the grooves on the handset holder.
- Fit the soap dish and rail end moulding onto the bottom end of the rail.
- If the rail is replacing an existing rail, fit the rail guide to the wall using one of the screws supplied, in the original top screw hole. Insert the rail from below the guide, align the lower rail end screw hole with the existing hole, and secure using the screw supplied.
- If no rail was previously fitted, slide the rail guide onto the rail above the slider and fit the soap dish and rail end moulding to the lower end of the rail. Bearing in mind the heights of people likely to use the shower, mark the wall to indicate the upper and lower fixing screw positions. The rail guide can be moved up or down the rail to make the fixing position more convenient. Drill the wall using a 6 mm drill, and secure the rail to the wall using the screws and wall plugs supplied. If fixing to a cavity wall a suitable method of fixing should be used.
- Ensure that the rail is vertical before finally tightening both fixing screws.
- Slide the rail end cover, and rail cap into position.
- When fitting the hose, it should pass through the centre hole of the soap dish.

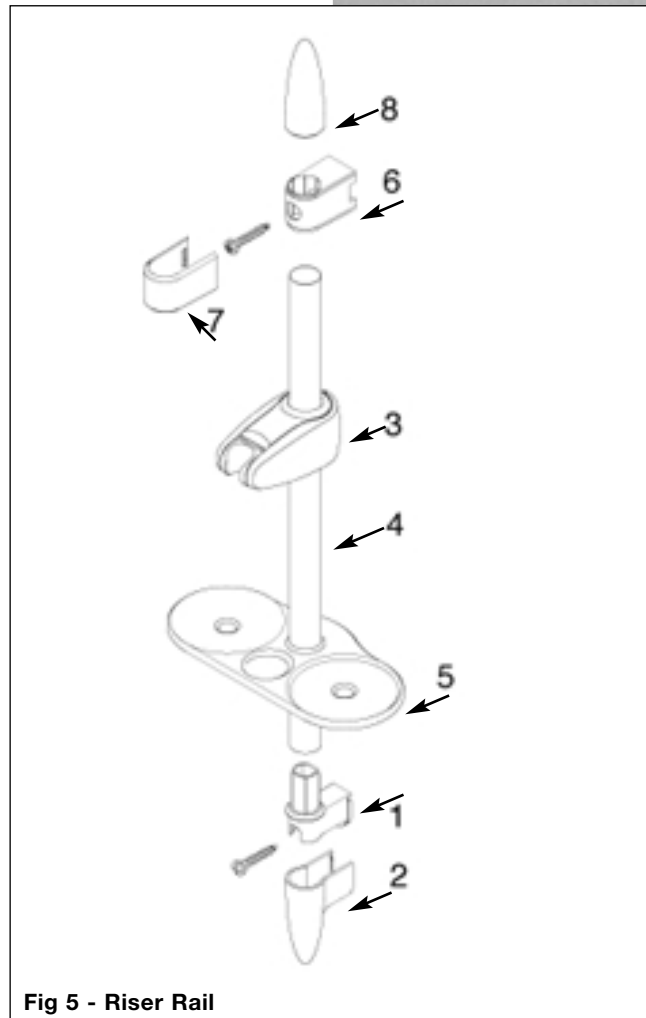
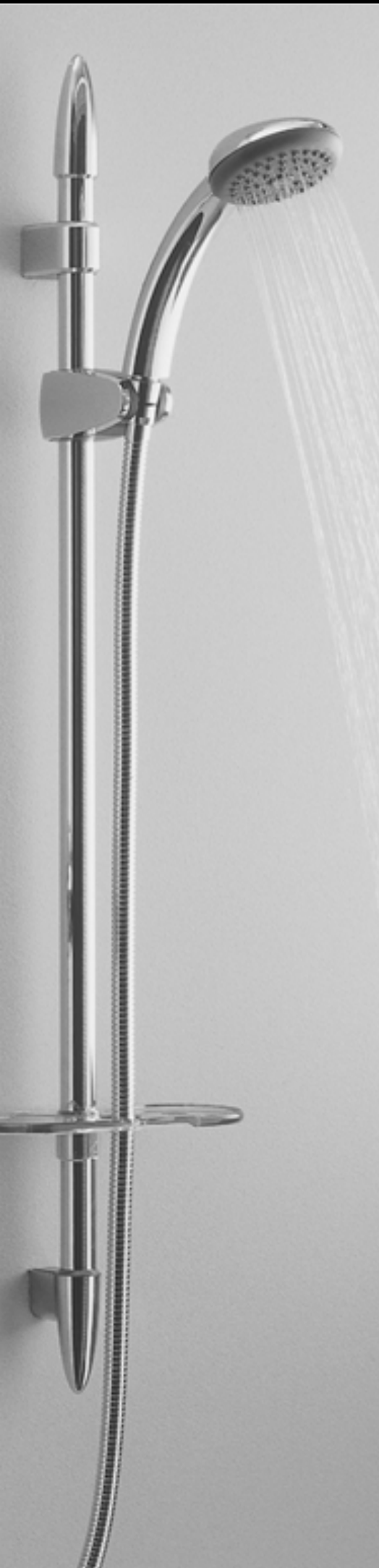


Fig 5 - Riser Rail

NOTE: The hose nut, and not the handset handle, fits into the slider, and the slider moves more freely on the rail, if gripped next to the rail rather than at the handset.



Symptom	Likely Cause	Action/Remedy
No water flow (Hot or Cold)	Isolating valves turned off	Turn on isolating valves
Unstable showering temperature	Hot & cold supply reversed Thermostatic cartridge faulty	Please see below on reversing cartridge instructions Replace cartridge
Poor performance	Poor hot or cold flow Blocked Handset	Check hot and cold supplies Clean or replace Handset

Cartridge Reversing Instructions

In the unlikely event that the hot and cold pipes have been reversed during installation, the cartridge can be reversed to prevent tiles etc. being removed.

To access the Mixer Valve Cartridge please refer to fitting the Recessed Shroud & Outlet Cover (See page 5).

1. Unscrew the cartridge retaining nut (17) Page 5 and lift out the cartridge assembly.
2. Rotate through 180°C and re-locate, ensuring that the two locating pegs are positioned in the holes within the valve body.
3. Refit the retaining nut and tighten.
4. Re-assemble Valve in reverse order (Refer to Page 4).
5. Reverse the red and blue collets (refer to page 4) – HOT ON THE RIGHT, COLD ON THE LEFT.

Valve Re-calibrating - Thermostatic

1. To ensure that the temperature override setting is 38°C, tighten the temperature nut fully (fig 6).
2. Loosen nut by approx. 1½ turns until the dots on the temperature nut and flow lever align (fig 7).

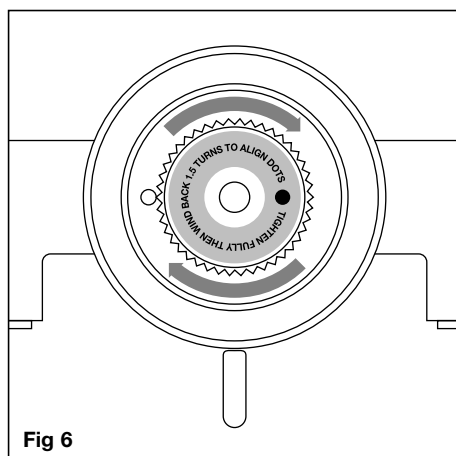


Fig 6

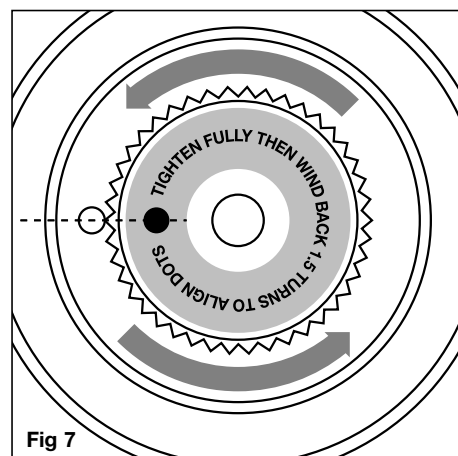
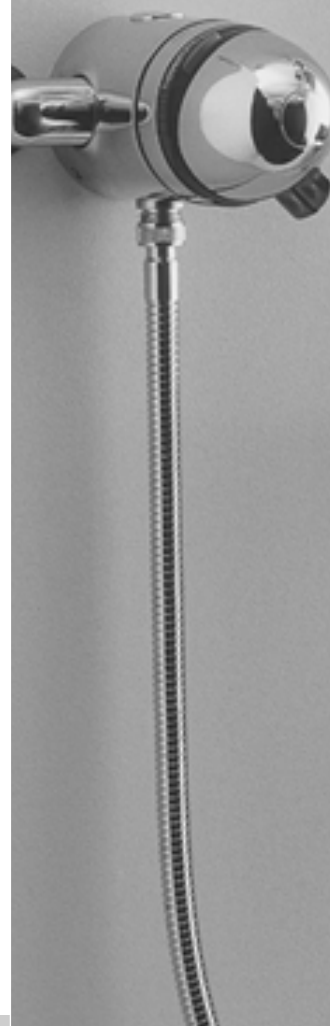


Fig 7

100 Series Mixer Valve - Fig 8

1.	SP-094-0001*	Temperature Cap
2.	SP-094-0002*	Temperature Control Cover
3.	SP-094-0003	Temperature Control Lever Assembly
4.	SP-094-0005	Temperature Over-ride Stop
5.	SP-094-0006	Flow Control Lever
6.	SP-094-0007	Flow Control Cover
7.	SP-094-0008	Trim/Split Black Rings
8.	SP-094-0009*	Blanking Plug Cap
9.	SP-094-0010	Lock Nut
10.	SP-094-0011*	Body
11.	SP-094-0012	Wall Fixing Bracket
12.	SP-094-0033	Temperature Nut
13.	SP-094-0015*	Elbow
15.	SP-490-0903	Wire Retaining Clip
16.	SP-094-0036	C-Clip
17.	SP-094-0017*	Ferrule
18.	SP-490-0139	Screw Pack
19.	SP-094-0035	Recess Trim Ring
20.	SP-094-0034*	Recess Shroud
21.	SP-094-0030*	Outlet Cover
22.	SP-094-0031*	Outlet Blank
23.	SP-094-0028	Recess Mounting Bracket
24.	SP-094-0029	Outlet Elbow
25.	SP-094-0100	Complete Valve, No Covers
	SP-280-0301*	Riser Rail & Slider Assembly
	SP-280-0400*	Rail End Assembly
	SP-280-0401*	Moving Rail End
	SP-168-0211*	Zag Handset
	SP-280-0006*	Hose
	SP-179-0300*	Plus Spray Rubclean Handset
	SP-280-0028-CL	Soapdish
* Specify colour required		



Spare Parts Listing

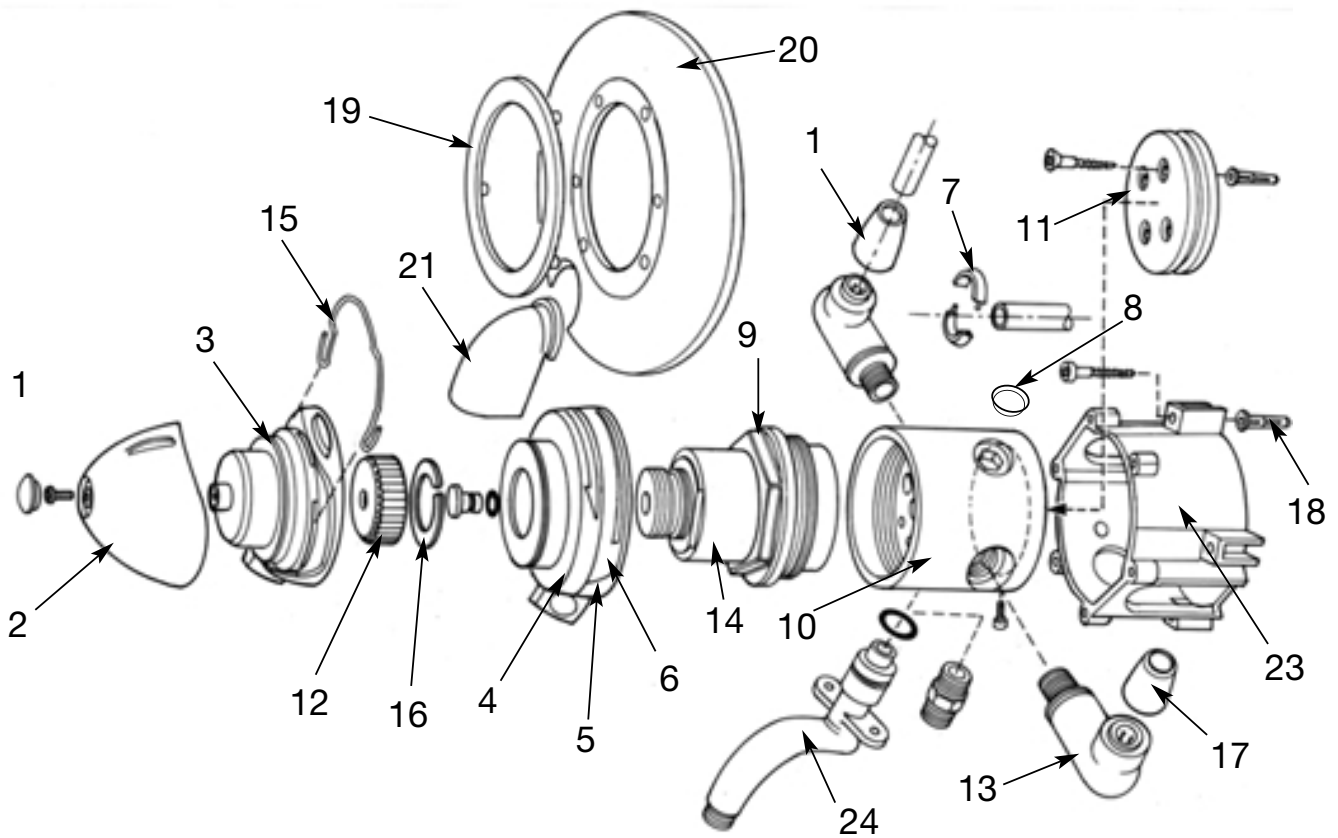
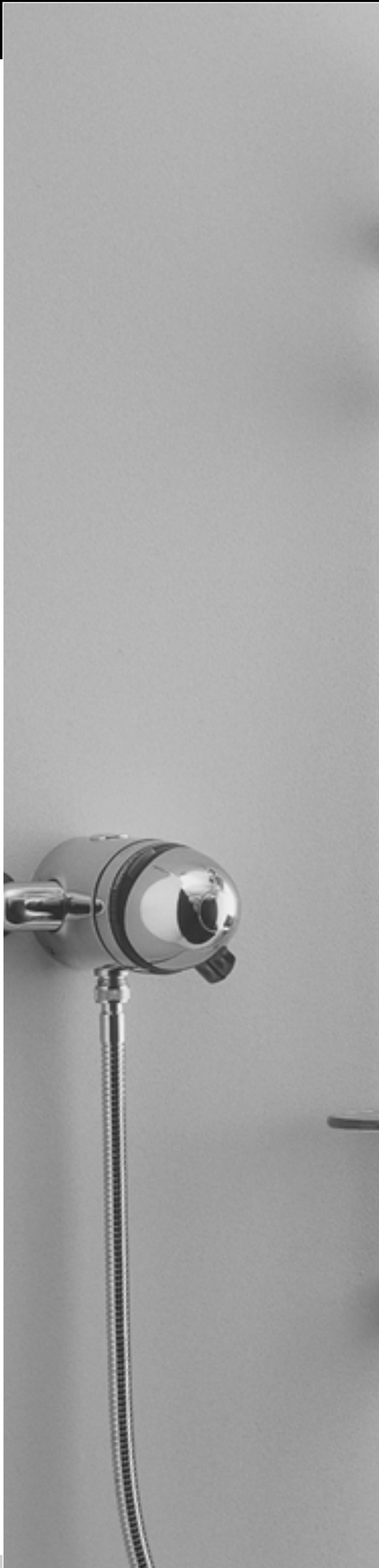
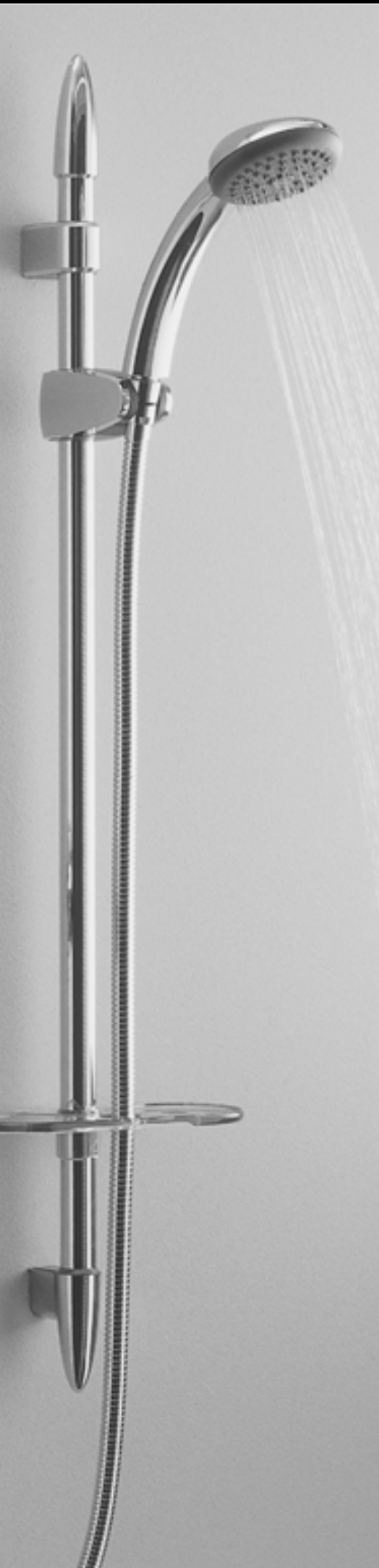


Fig 8 - Spare Parts Diagram





Installers Notes



Guarantee

Thank you for purchasing a NewTeam product, which has been designed, manufactured and tested, in the U.K., to the highest standards.

Guarantee. 2 Years - First Year - Parts and Labour, Second Year - Parts Only

This is provided that:

1. The guarantee registration card is completed and returned within ten days complete with a copy of proof of purchase.
2. The product is installed and operated in accordance with our instructions and has not been misused or damaged.

This in no way affects your statutory rights as a consumer.

The information on the Guarantee card helps NewTeam to process any claims and contact you about your product and its maintenance if required. The registration of your personal details is purely for NewTeam use, and the other information helps us to make products for the future.

NewTeam Shower products are designed, manufactured and tested to the highest standards.

Should a complaint arise, products are guaranteed against faulty workmanship and materials for a period of 12 months from the date of purchase, when in domestic use (second year guarantee is parts only). For your guarantee to be valid, your shower pump must be installed by a competent person, in accordance with the instruction manual.

NewTeam will repair or replace (at our option), free of charge, any faulty components during the guarantee period, provided it has been maintained and operated in accordance with our instructions, and has not been misused or damaged.

Modification or repair of this product by person(s) not authorised by NewTeam will invalidate this guarantee.

This guarantee applies to products purchased within the United Kingdom or Republic of Ireland, but does not apply to products used commercially.

This guarantee does not affect your statutory rights.

Service Policy - Replacement Parts Policy

IMPORTANT:

In the event of product or component malfunction, DO NOT tamper with or remove the product from site. Telephone NewTeam Customer Service Department on 01536 264 012 and be prepared with the date of purchase, model number and a description of the complaint.

Our service staff are fully qualified to advise on correct installation procedures and will be able to diagnose whether the fault will require a replacement part or a visit from a NewTeam engineer.

If required, a service call will be booked, and either yourself or an appointed representative (who should be a person of 18 years or over) must be present during the visit.

All site visits to product within the guarantee period will be carried out free of any parts or labour charges provided the conditions of the guarantee have been adhered to. (Second year guarantee is parts only)

All site visits to product out of guarantee will be subject to charges for parts and labour which is payable by you or your appointed representative at the time of the visit. Charges will also be levied on cancelled appointments, unless advised to NewTeam at least 24 hours in advance of the agreed date and time.

We reserve the right not to undertake work where payment cannot be made to our engineer at the time of the visit.

NewTeam hold stocks of components for all their range of products and these will be maintained for the duration of their life.

Should a product be discontinued, spare parts stocks will be maintained, but in the event of a part becoming unavailable NewTeam reserve the right to supply a substitute of equal quality.

The following payment methods can be used to obtain spare parts:

By post, pre-payment of proforma invoice by cheque or postal order.

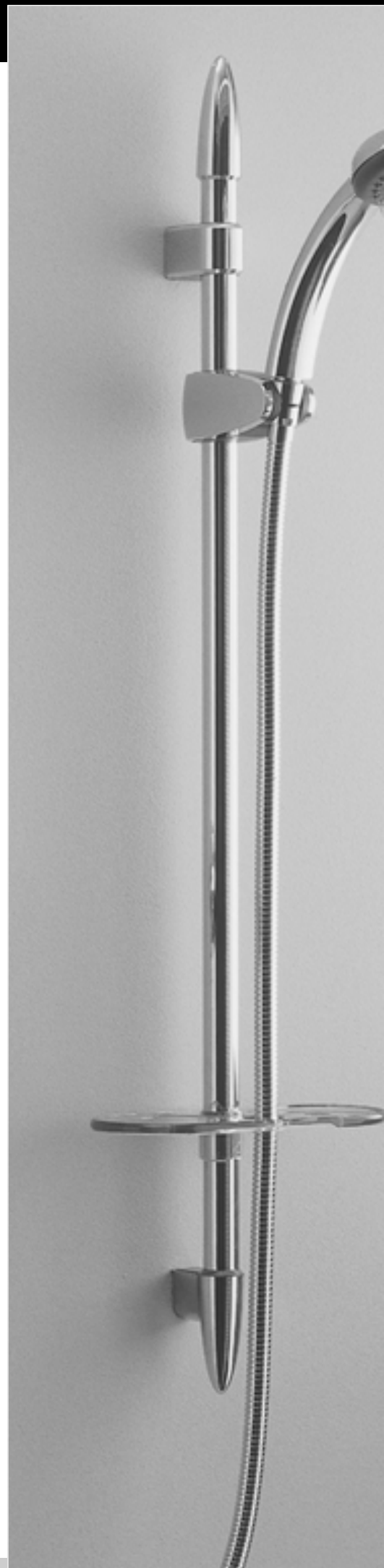
By telephone quoting credit card (Mastercard, Visa or Visa Delta) details.

REPLACEMENT PARTS:

Tel: 01536 409 222 • Fax: 01536 409 201 • E-Mail:spares@newteam.co.uk

CUSTOMER SERVICE HOTLINE:

Tel: 01536 264 012 • Fax: 01536 409 201 • E-Mail:service@newteam.co.uk



NewTeam

GUARANTEE CARD

Please post immediately enclosing a copy of proof of purchase

NewTeam 123-T
Thermostatic Mixer Shower

NewTeam 120-T
Thermostatic Mixer Shower

Proof of purchase enclosed
YES **NO**

FOR NEWTEAM USE

AFFIX PRODUCT LABEL HERE

This label identifies your product and provides all the information needed

NAME:

ADDRESS:

POSTCODE:

DATE OF PURCHASE:

PRODUCT PURCHASED FROM:

TOWN:

NewTeam's philosophy is to offer outstanding products with quality and integrity, please help us by taking the time to answer the following questions. Thank you.

MARKETING INFORMATION

1. Please state your profession: Plumber Builder Electrician Customer
Other (please specify) _____

2. Please state the reason for purchasing a shower: New Build Replacement
Renovation Other (please specify) _____

3. If the product is a replacement shower, please state the type and make of the shower it is replacing: _____

4. What influenced you to purchase the 100 Series Mixer Shower? Advertisement
Trade Press Recommendation from Stockist Recommendation from Installer
Other (please specify) _____

5. Please state your main reason for purchasing the 100 Series Mixer Shower:
NewTeam Product Knowledge Product Features Product Styling Price
Other (please specify) _____

Please tick here if you do not require any further information or product updates from NewTeam

POST BACK

FOLD AND TAPE AS INSTRUCTED OVERLEAF

Please tape down

Please tape down

3rd Fold

Affix
Stamp



NewTeam Ltd.

Customer Service Dept.
Brunel Road
Earlstrees Industrial Estate
Corby
Northants
NN17 4JW

1st Fold

2nd Fold