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*Please keep these installation instructions for future reference*

# **Jetforce Booster Pumps Installation Instructions & User Guide**

***JF 55 & JF 75***



**NewTeam**

*Please read the instructions thoroughly and ensure that they are left with the customer.*

## ***Installation and Operating Instructions for the Jetforce 55 & 75 Booster Pumps***

Please read this booklet carefully and ensure that the installation is carried out by a qualified fitter.

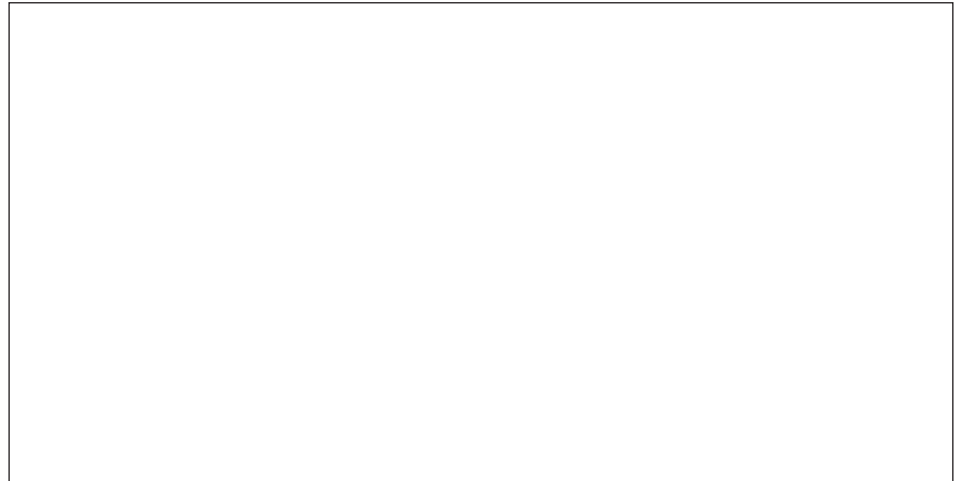
Guarantee, Customer Service and our Replacement Parts Policy can be found towards the back of this booklet.

In the event of any query regarding the installation of this product, please contact the **NewTeam Customer Service Dept** as follows:

**Tel:** 01536 264 012 **Fax:** 01536 409 201 **E-mail:** [service@newteam.co.uk](mailto:service@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.

### ***Planning your Installation***



**Note: Above is a typical pipework layout. Individual installations may vary depending on the mixer valve used.**

### ***Plumbing***

For correct operation of this power shower, both hot and cold water supplies to the pump must be gravity fed from from a cold water storage tank and hot water storage cylinder (see Fig. 1).

We recommend a minimum 115 litre cold water storage tank, but please ensure compliance with all water byelaws.

**Under no circumstances should the power shower be connected to the mains cold water supply. Do not use jointing compounds.**

Before proceeding with the installation of this unit, it is essential to check that the handset and all pipework will be a minimum of 230mm below the water level in the cold water storage tank (see Fig. 1). If your installation does not allow this, you will require a negative head shower pack (see Fig. 5) which incorporates a separate air switch to activate the pump when there is insufficient head of water to operate it automatically. Refer to page 5 for fixing instructions, but if in doubt contact your supplier or **NewTeam Customer Service Dept**, as detailed above.

Please ensure that the shower pump and mixing valve are not positioned in areas subjected to freezing conditions.

## Guarantee

Thank you for purchasing a NewTeam Shower, which has been designed, manufactured and tested by NewTeam Ltd, to the highest standards, and will give you a long and reliable service. This product has a one year guarantee, providing that the following apply (see below):

- (1) The guarantee registration card is completed and returned within ten days along 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.

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 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.

For your guarantee to be valid, your NewTeam shower must be installed by a competent person, in accordance with the instruction manual.

NewTeam Ltd will repair or replace (at our option), free of charge, any faulty component 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 Ltd 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 as a consumer.

## Service Policy - Replacement Parts Policy

**Important:** In the event of product or component malfunction, DO NOT tamper with or remove the product from site. Contact the NewTeam Customer Service Dept (details below), giving 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.

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

## Replacement Parts

**Tel:** 01536 409 222 **Fax:** 01536 400 144 **E-mail:** spares@newteam.co.uk

## Customer Services

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





## Replacement Parts

	Part Number	Description		Part Number	Description
1	SP-011-0019-ST	Mounting Plate	11	SP-011-0110	Housing Screw
2	SP-011-0013-ST	Impeller	12	SP-011-0003	Complete Pump JF 75
3	SP-011-0140-ST	Front Pump Body	13	SP-011-0002	Complete Pump JF 55
4	SP-011-0141-ST	Rear Pump Body	14	SP-035-0042	5m Air Pipe + Connector
5	SP-011-0010-ST	Centre Bush	15	SP-035-0043	Pneum. Push Button Ass.
6	SP-011-0112-ST	Reed Switch	16	SP-035-0010	Outlet Flexible Coupling
7	SP-011-0018-ST	Reed Switch Dowls	17	SP-035-0040	Inlet Flexible Coupling
8	SP-011-0109	'O' Ring	18	SP-035-0041	Inlet Filter Disc
9	SP-011-0014-ST	Front Cover	19	SP-011-0120	RD Adaptor Red
10	SP-011-0011	Graflow Bush	20	SP-011-0120	BK Adaptor Black

## **Electrics**

The pump must be connected to a 240 volt A.C. electrical supply from a 13 amp ring main by either a double pole, switched spur, fused at 5 amps. The switch must have a contact separation gap of at least 3mm.

Please ensure compliance with I.E.E. regulations.

## **Fitting your Booster Pump**

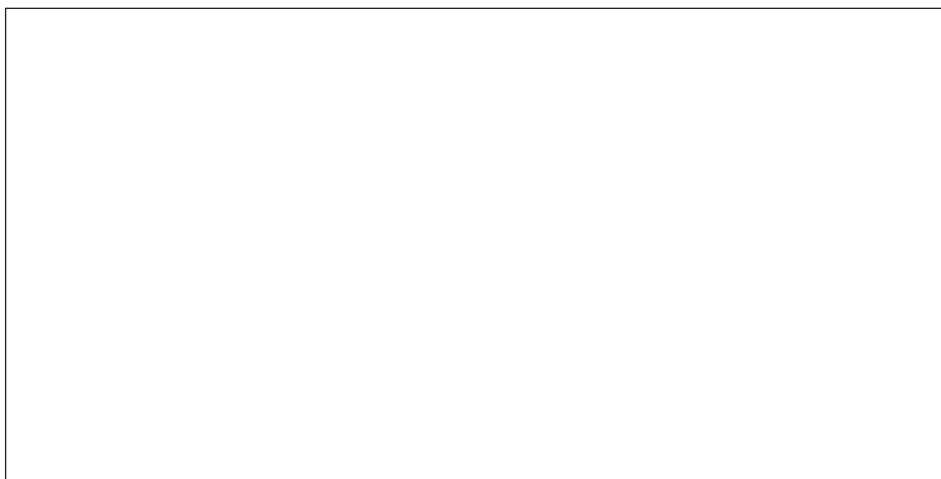
### **Pump**

In addition to the recommendations on 'Planning your Installation' please take note of the following:

- All plumbing should be completed before any electrical connections are made.
- The pump must be positioned in a dry area, for example a linen/airing cupboard.
- An alternative site for the pump can be the loft; in this case a distance of 375mm between the base of the cold water storage tank and the pump will be required.
- The pump unit should be in a well ventilated position and not covered with towels, clothes, etc.
- The pump can be connected to a combination cylinder system providing it has a cold water storage capacity of 115 litres (actual).
- When connecting pipework avoid using elbows, sweep or formed bends will ensure optimum performance.
- Do not solder within 300mm of the pump or expose parts to excessive heat.
- Do not run the pump dry.
- All pipework to and from the pump should be 15mm.
- Non-restrictive isolating valves, (accessible for ease of maintenance), must be fitted on hot and cold supplies to the pump.

**Warning: The booster pump and all connecting pipework should be earthed.**

### **Procedure - Positive Head Installation**



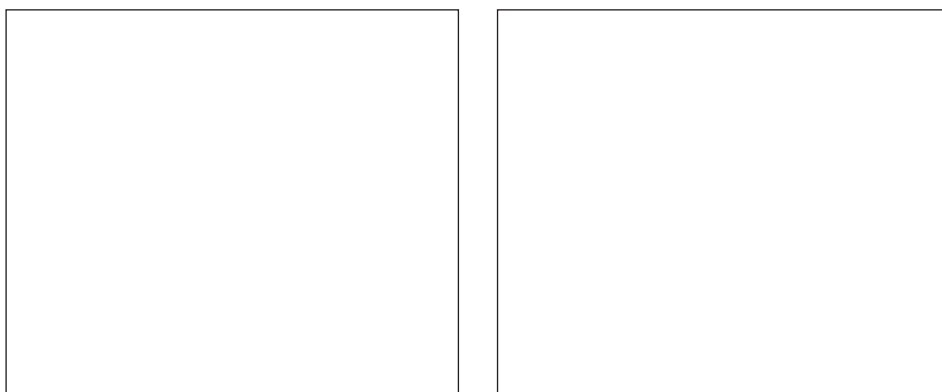
- Isolate mains water and electrical supplies. To drain the system, open the hot and cold water taps.





- Make your connection into the hot water supply from the cylinder, ensuring that it is the first draw-off (below the expansion pipe tee). A minimum of 1 metre below the base of the cold water storage tank and the top of the hot water cylinder must be achieved (see Fig. 2).
- If this is not possible, a direct connection must be made from the hot water cylinder with an Essex or Warrix flange (see Fig. 3).
- The cold water supply should be taken directly from the cold storage tank (see Fig. 2) and must be positioned 60mm below the cold feed connection to the hot water cylinder (see Fig. 2).
- Position the pump horizontally on a solid base. Do not screw to the floor.
- Insert flexible couplings into the inlet and output ports of the pump as indicated by the arrows. Ensure that the couplings (1) with the 3/4" (19mm) BSP nuts (3) have filter (4) in position and that they are used on the inlet side of the pump (see Fig. 4A).
- The integral fittings on the pump are of the self seal push-fit type, push down on the grey collett (2) to release the pipe (see Fig. 4B).
- Using compression fittings (not supplied, see note) connect the hot and cold water pipes to the filter union nuts (3) on the inlet flexible couplings. It does not matter which inlet is used for the hot or cold supply.
- **Note:** 2 x 3/4" (19mm) M1 BSP x 15mm compression adaptors, parallel thread to BS864 Part II, will be required for the filter union nuts (e.g. Conex 302).
- Using compression or push-fit fittings (not supplied) connect pipes to the outlet flexible couplings (2) and run to the mixing valve position.
- Connect the 3 core mains cable (5) from the pump to the domestic electrical supply as detailed in 'Planning your Installation' (see Fig. 1).

**Do not fit fuse or switch on mains electrical supply at this point.**



- Where the shower handset is less than 230mm below the water level in the cold water storage tank (Fig. 5) or in cases where it is above the water level, a specially adapted connection box and separate pneumatic push button will be required. The push button, which should be fitted close to the shower valve and can be up to 5 metres away from the pump, provides the means of activating the pump without using electrical connections in the bathroom. (For plumbing and electrical connections, follow the procedure as detailed earlier.)

Using the coupling provided, connect the 5 metre length of plastic tube to the tube which protrudes from the connection box; the other end of the tube is attached to the push button in the shower area. Connect the two wires from the connection box to the same connections in the motor terminal box as the two flow switch connections.

- The push button can be panel mounted or fitted to a tile and recessed into the wall. Prepare a channel to accept trunking of sufficient size to accommodate the air tube and cut a hole in a tile to suit the diameter of the push button thread.
- Run air tube from the connection box through trunking, allowing 75-100mm excess tube at either end for easy servicing. Take care not to twist or kink the tube.
- Once the shower installation has been completed, follow the steps detailed in 'Commissioning for Negative Head Installations' (see page x), before finally filling the channel and fixing the tile.

## **Commissioning**

### **Positive Head Installation**

- Turn on the water supplies and allow the system to fill. Do not attach the handset to the hose.
- Turn on the mixer valve and run the shower for 2-3 minutes through the hose, to ensure that no foreign matter is left in the pipes.
- At this point, we recommend disconnecting the inlet flexible couplings to the pump and flush out any debris from the integral filters. The quick release connections on the pump make this an easy operation and it will ensure the best performance from the shower (see Fig. 4).
- Switch on the electricity supply to the pump.
- Turn on the mixer valve and allow to run for a further 2-3 minutes.
- Attach the handset to the hose.
- Demonstrate to the customer.

## **Check List**

**In the event that the system will not operate, please follow this procedure:**

- Is the pump switched on?
- Check all fuses and electricity supply.
- Is the water supply reaching the pump? Check that the isolating valves are turned on and that the cold water storage tank has not run dry.
- The shower runs cold. Check that the inlet and outlet pipework is connected correctly (see Fig. 4).
- Motor may have overheated. Allow unit to cool and it will automatically re-set. Check for adequate ventilation around pump.
- Is the handset and all pipework 230mm below the level of water in the cold water storage tank (see 'Planning your Installation', Fig. 1).
- Remove the inlet flexible couplings to the pump and flush out any debris from the integral filters, remembering to isolate the water supplies.

If the system will still not operate following the above procedure, please contact the **NewTeam Customer Service Dept** on **01536 264 012**.





PLEASE TAPE DOWN

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PLEASE TAPE DOWN

3RD FOLD

Affix Stamp

1ST FOLD

**NewTeam Ltd**

Brunel Road  
Earlstrees Ind Est  
Corby  
Northants  
NN17 4JW

2ND FOLD

## Guarantee Card

Please complete and return immediately enclosing proof of purchase copy

Jetforce 55  Jetforce 75

Copy of proof of purchase enclosed?

Yes  No

Affix product label here
<b>FOR NEWTEAM USE</b>
<small>This label identifies your product and provides all the information needed</small>

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 select your profession from the list below, if 'Other' please specify:

Plumber  Builder  Electrician  Customer

Other  \_\_\_\_\_

(2) Please state the reason for purchasing this new pump:

New Build  Replacement  Renovation

Other  \_\_\_\_\_

(3) If a replacement pump, please state the type/make of pump it is replacing

\_\_\_\_\_

(4) What largely influenced you to purchase your Jetforce 55/Jeforce 75?

Advertising  Trade Press  Stockist  Installer

Other  \_\_\_\_\_

(5) Please state your main reason for purchasing the Jetforce 55/Jeforce 75?

Product Knowledge  Product Features  Product Styling  Price

Other  \_\_\_\_\_

(6) Please tick if you do not require further information or product updates

<h2>Post Back</h2> <p><b>Fold and tape as instructed overleaf</b></p>
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