Quick Fit Cylinder

Installation

Commissioning

Technical Data



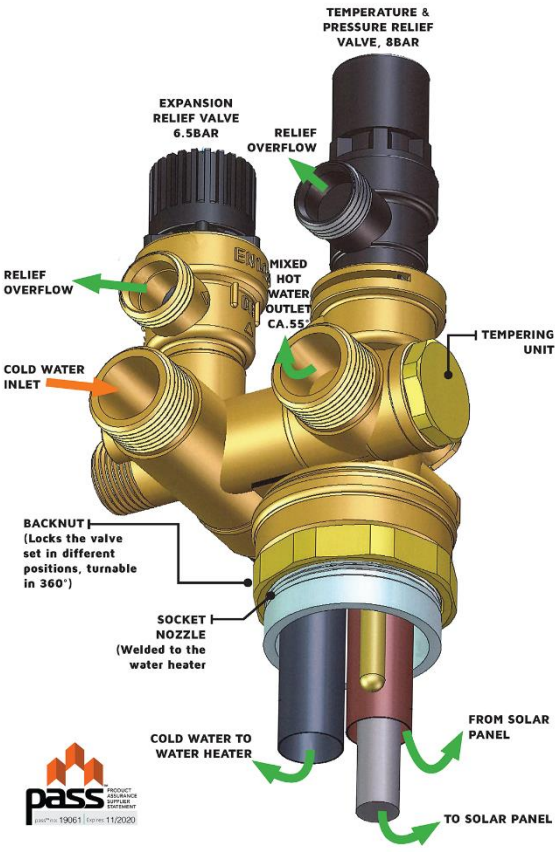
Quick Fit Cylinder Installation Instructions

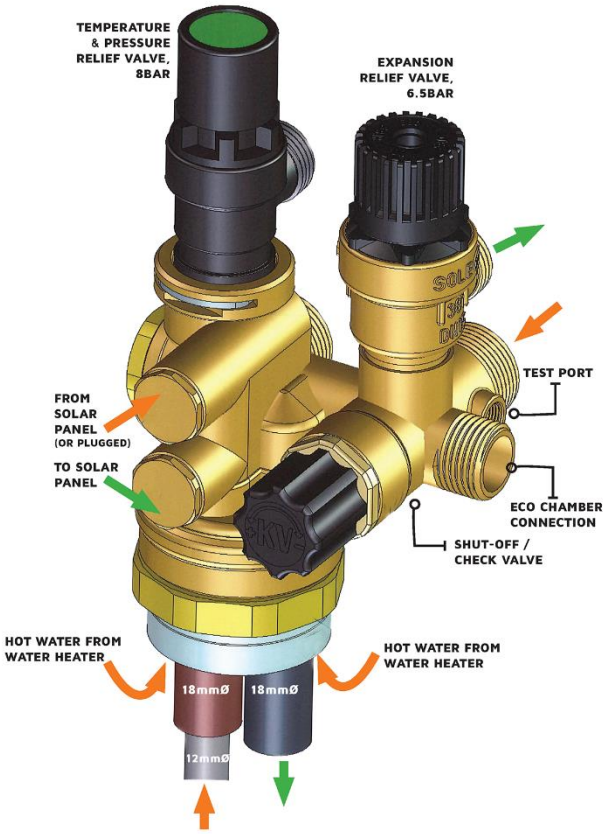
Summary

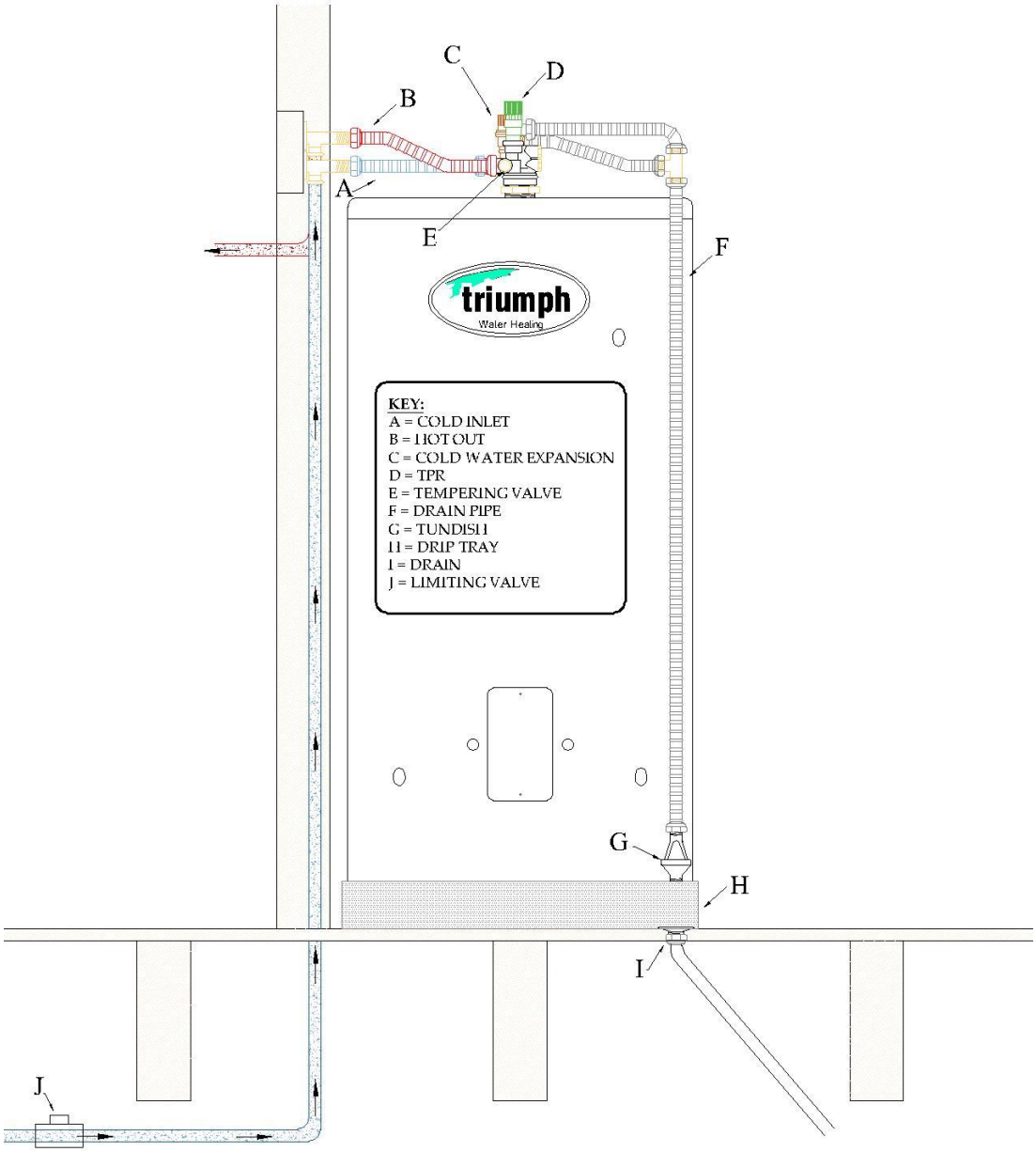
The Quick Fit Cylinder is designed to be quickly and easily installed. The Quick Fit valve bank includes the following components :-

- Shut off valve with no return
- Cold Water expansion valve
- Temperature and Pressure relief valve
- Tempering valve (preset to 55°)

Note : A pressure limiting valve will need to be in place to limit the cold water input to 500 kPa maximum







Adjusting the Quick Fit valve bank position

The Quick Fit cylinder will come with Quick Fit valve bank already installed. To adjust the Quick Fit valve bank to the required position for pipe connections :-

1. Loosen the backnut
2. Rotate the Quick Fit valve bank anti clockwise (maximum 360° rotation)
3. Tighten the backnut once the position is correct

Note : Do not turn power on to the cylinder until the tank is fully filled with water.

Commissioning the Quick Fit cylinder

1. Make sure the shut-off valve built into the Quick Fit valve bank is fully closed, then turn on the cold water mains supply to the house, you now have control of filling the cylinder by opening the shut-off valve that is built into the Quick Fit valve bank. Turn the shut-off to fully open, the cylinder is now in the process of filling.
2. Open one hot water tap in the kitchen or bathroom until water starts to flow through it, once the air induced spluttering has gone from the tap and only a full flow of water exists without spluttering, turn the tap(s) off.
3. Go back to the hot water cylinder and screw anti-clockwise the grip for the Temperature Pressure Relief valve or the Expansion valve, this will release any air possibly trapped in the top of the cylinder cavity.
4. The Hot water cylinder is now 100% full of water, check for any signs of leaks, and now you can turn the power on to the element.

Tested water flow rate at minimum 300 kPa mains inlet pressure

1. Measure point 1: inlet cold water.
2. Measure point 2: outlet mixed water.

Result: 0,5 bar pressure drop gives flow = 26 L/min. 1,0 bar pressure drop gives flow = 41 L/min.

Optional Quick Fit cylinder installation kit

(Part Number 25820)

The connections on the Quick Fit valve pack for Cold and Hot water are an external male ¾" BSP thread that are designed to take a flat seal/washer pipe connections

It is recommended that the Hot & Cold connections within the wall be approximately no less than 400mm above the top of the hot water cylinder, this measurement suits the Quick Fit 750mm long ¾" stainless steel flexi hose with flat washer.

The wall connections should have a dishwasher hex nipple with flat face to accept the flat washer from the ¾" flexi hose.

PRODUCT	WARRANTY PERIOD FROM DATE OF PURCHASE
Low Pressure, Medium Pressure Cylinders Standard Mains Pressure (Glass Lined) Duplex Stainless Steel Mains Pressure Hunson Type Mains Pressure Coil Cylinders Marine & Motorhome Cylinders Dairy Cylinders Automatic Oversink Boilers	5 YEARS
Undersink Boilers & Chillers Elements & Thermostats	1 YEAR
Valves	2 YEARS
Solar Panels	5 YEARS

* Warranty Periods are applicable from the Date of Purchase.

Products are covered for the stated period against failure due to defective material or manufacture.

This guarantee does not cover removal or re-installation of the Hot Water Cylinder, or any consequential losses incurred including any freight costs. Should a defect occur within the guaranteed period, the specific item is to be returned with proof of purchase to the supplier.

In some circumstances we may cover the labour cost of a product that has failed under warranty within the first 12 months from the date of purchase. Where a cylinder is installed outside of the metropolitan area or further than 25km from an authorised agent, travel costs shall be the owners responsibility.

In the event of a problem, contact the installer or contractor who carries out servicing in order to determine the fault. If a manufacturing fault is suspected, contact Sigma immediately for advice. Sigma will not accept charges relating to a suspected fault without prior consent. We would require inspection by a Sigma employee or an appointed service agent in order to determine the cause of the fault.

Cylinders are covered under warranty for the stated period. Where a failed component or Cylinder is repaired or replaced under warranty, the balance of the original period will remain effective - The replaced part or cylinder does not carry a new warranty.

Repair or replacement of any defective cylinder or boiler is at our discretion.

Sigma Sheetmetal Products Ltd will not cover extra costs such as use of cranes or roof removal where the cylinder has been installed in a non-accessible area.

Continuous Water Quality and Impurity Limits

TDS (Total Dissolved Solids)	Total Hardness CaCO	Dissolved (free) CO	Ph	Langelier Index
Up to 600 mg/L or ppm	Up to 200 mg/L or ppm	Up to 25 mg/L or ppm	6.5 - 8.5	Between - 1.0 - 0.8

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WARRANTY CLAIM FORM

Date : _____

NAME/OWNER:		**PHONE:**	
ADDRESS:			
PRODUCT DESCRIPTION:			
DATE PURCHASED:		**SERIAL NO:**	
FROM:		**BRANCH:**	
PLUMBER/INSTALLER:		**PHONE:**	
FAULT:		**RELIEF OR OPEN VENT**	
POSITION OF RELIEF:			
WATER SUPPLY (PLEASE CIRCLE)	**TOWN**	**RAINWATER**	**BORE** **PUMP FITTED**
AVAILABLE FOR PICK UP YES/NO		**FROM:**	
REPLACEMENT SENT YES/NO INVOICE NO:			**INVOICE NO:**
INSTALLER:	**FACTORY INSPECTION JOB NO:**		
ACTUAL FAULT FOUND:			

Conditional Replacement of Product

Customer to accept any replacement product is Subject to Inspection at our Factory

The cost of the replacement product will be payable by the Customer if the Warranty Claim is denied through damage caused by - Faulty of Incorrect Installation, Excessive Pressure, Negative Pressure (collapsed tank) or Aggressive Water.

Accepted by Customer: Name _____

Signed: _____ Date: _____