

Installation Commissioning & Service Records

5-year Product Warranty

The hotun sf range is covered for 5 years against manufacturing defects provided that:

- The unit has been installed & serviced annually by a qualified plumber
- The unit is registered by the installer within 14 days of installation

To product must be registered to validate the warranty and the installer must certify that it has been installed in accordance with the correct standards.

The warranty only covers for a replacement product and does not include for any consequential damage claims.

Installer details

Name.....

Company.....

Phone no.

Email.....

Date of installation.....

Are you a qualified Water Safe, G3, Ciphe or Gas safe installer? Yes No

Certificate No.....

Have you informed the end user that to keep the product in warranty it needs an annual service? Yes No

Has the product been commissioned in line with the enclosed instructions? Yes No

I hereby certify that the product has been installed and commissioned in accordance with the instructions and relevant water, building (and/or) boiler manufacturers instructions.

Signed.....

Service 1

Date

Installer Name

Co. Name

Tel. No.

Comments

Ciphe, WS, GS or G3 registered Yes No

Certification No.

Sign

I hereby sign that the service has been carried out in accordance with the instructions

Service 2

Date

Installer Name

Co. Name

Tel. No.

Comments

Ciphe, WS, GS or G3 registered Yes No

Certification No.

Sign

I hereby sign that the service has been carried out in accordance with the instructions

Service 3

Date

Installer Name

Co. Name

Tel. No.

Comments

Ciphe, WS, GS or G3 registered Yes No

Certification No.

Sign

I hereby sign that the service has been carried out in accordance with the instructions

Service 4

Date

Installer Name

Co. Name

Tel. No.

Comments

Ciphe, WS, GS or G3 registered Yes No

Certification No.

Sign

I hereby sign that the service has been carried out in accordance with the instructions

Upon completion of installation, please fill out the installer details and register the product online at www.hotun.co.uk/warranty-registration to validate the warranty.

Please give this leaflet to the customer once the unit has been installed.

Customer notice

Water passing through the tundish is a warning that there is something wrong with your system or installation.

THIS WARNING SHOULD NOT BE IGNORED.

Please contact your Gas Safe registered or G3 accredited installer to diagnose the issue and carry out any necessary remedial work.

The hotun sf range of dry trap tundishes featuring Speedfit® Technology

ICSsf10/2018/v1

The only dry trap tundish solution accepted for use by leading manufacturers



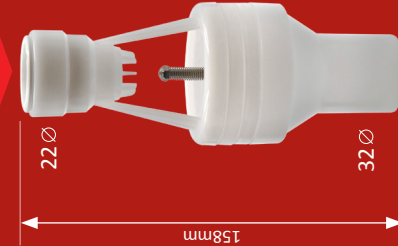
Installation Commissioning Service & Warranty Instructions

hotun[®] hiflo sf

hotun[®] sf



hotun[®] xlsf



The hotun sf range is Kiwa UKAS accredited flow-tested

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Product Overview

The RA Tech hotun sf range combines a tundish and dry-trap to provide safe and visible discharge from a relief valve whilst eliminating the risk of foul odours from a waste pipe entering back into the building. Specifically designed to achieve compliance with water and building regulations, the hotun sf range allows for discharge direct to a foul waste or drain pipe provided that these pipes are temperature rated to the appropriate levels for the discharge from a temperature and/or pressure relief valve.

WRAS approved as an air break to drain, and suitable for use across domestic and commercial systems, they provide backflow and back siphonage protection from category 5 risk waste water, the hotun sf range is also temperature rated to 99°C allowing both trickle and full bore discharges to pass through safely.

Regulatory Requirements

Unvented Systems

The regulations regarding the conveyance of water from a temperature and pressure relief valve to a safe and visible point of discharge can be found in The Building Regulations Part G schedule G3; The Water Supply (water fittings) Regulations and BS 67000-2006 (unless superseded). It is important to ensure that where a dry-trap tundish routes the relief valve discharge to a drain or waste pipe, this pipe is suitable for the temperature and volume rated to the appropriate levels for the discharge.

Under G3, the requirement for compliance is:

"...shall incorporate precautions to: Ensure that any discharge from safety devices is safely conveyed to where it is visible but will not cause danger to persons in or about the building"

As stated in the guidance document, simply following the guidance does not guarantee compliance in an individual case and the installer must still ensure correct installation however it gives the installer the opportunity of achieving compliance using a different solution. It states (G3 – page 3):

"...there is therefore no obligation to adopt any particular solution contained in this approved document, if you would prefer to meet the relevant requirement in some other way. However persons intending to carry out building work should always check with their Building Control Body (BCB) that their proposals comply with the building regulations."

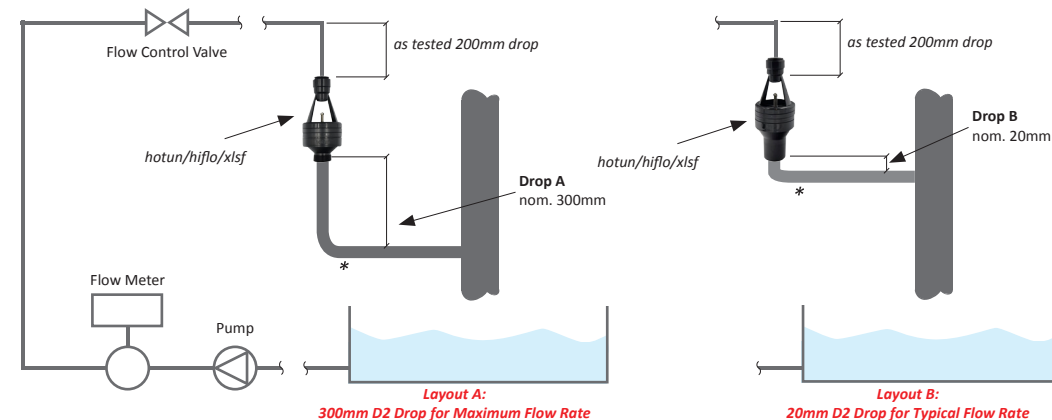
Boilers

There are no specific Building Regulations giving guidance for the use of a dry-trap tundish in boiler applications. However, the relief valve discharge must be conveyed to a safe and visible point of discharge and thereafter routed to drain. As boiler relief valve discharges operate at much lower volumes (typically less than 2-3 litres and normally only in minor quantities (drips)) and for shorter time periods than unvented system relief valve discharges, a wider variety of waste pipe materials could be used in this type of installation. Please refer to your local Building Control Officer for final approval as necessary.

The full list of regulations applicable for compliance can be found on our website at www.hotun.co.uk/regulations-applicable-for-compliance

Flow Rates

The hotun sf range of dry-trap tundishes have been independently tested in a UKAS accredited laboratory by KIWA Ltd. Tested flow rates are significantly higher than the 'rated' flow rates which allows for variations in pipework layout as well as fluctuations in waste system back pressure in the event of a full bore failure. The 'rated' flow rates determine product selection and it is the responsibility of the installer to ensure that the correct product is chosen for the maximum flow rate of the installation.



*There must not be any other forms of trap between the tundish outlet and the point of connection at the soil stack.

Waste pipe materials suitable for use

Unvented

It is generally accepted that polypropylene (PP) push fit, MuPVC, solvent weld & HDPE (high density polyethylene), mechanical, and correctly supported, are all suitable for use in this application.

Boiler

If the installer fits pipework in line with G3 requirements it would normally be deemed suitable for boiler discharges. However, as the discharge volumes and flow rates are much smaller from boilers and there are no equivalent G3 regulations to give guidance, a wider choice of materials may be permitted in this application. A typical specification for waste pipe material would be; to be able to withstand 95°C water for 15-20 seconds or the time it takes to completely dissipate a sealed system pressure to zero flow.

Responsibility of Installation

All installations must be carried out by a qualified installer in line with industry best practice and all relevant Building and Water Regulations. Any work carried out on a boiler must be done by a registered Gas Safe installer. Any work on a cylinder over 15 litres must be undertaken by a G3 accredited installer.

Product	Rated flow (LPM)	Inlet size	Outlet size	FLOW L/min (Data from KIWA)	
				Layout A	Layout B
hotun sf	16	15	22	22.5	12.8
hotun hiflo sf	25	15	32	45.1	35.2
hotun xlsf	40	22	32	54.3	38.1

Installation, Commissioning & Service Instructions

Installation

For **unvented** applications, all D1 and D2 pipework should be installed in line with G3 guidance. For **boiler** applications all D1 and D2 pipework should be installed in accordance with either these or in line with boiler manufacturer's instructions.

The discharge from the hotun sf with 22mm outlet (for unvented applications) should have a drop of 300mm to the first bend or elbow. For 32mm outlet (hiflo sf), the drop should be a sufficient distance to allow for full bore flow, see *Flow Rate table for guidance*.

The dry-trap tundish must be installed vertically and in a position where signs of discharge are clearly visible.

It is recommended that for boilers in accessible locations a hotun shield sf should be installed as a safety feature to prevent contact with potentially scalding water from the open sides of the hotun.

1. Inlet

Cut pipe to desired length and deburr. To make the connection, simply push the hotun sf onto the pipe. For more information on making JG Speedfit connections visit www.johnguest.com/speedfit/push-fit-connection-leak-proof

2. Outlet

The hotun sf is supplied with a nut and olive for a 22mm compression compatible outlet connection. The hotun hiflo and hotun xlsf are compatible with both 1 1/2" mechanical compression and 32mm push-fit waste fittings.

Commissioning

The downstream system must be able to cope with the discharge from the appliance. The following procedure should be followed to verify this for both trickle and full bore flow.

1. Trickle

Gently pour a small quantity of water into the open side of the hotun sf. The valve should trigger between 5-30ml of water.

2. Full Bore

If possible the system should be pressurised to 3bar whilst testing is carried out. Slowly open the relief valve until it is fully open.

From an unvented cylinder: Keep the relief valve open for at least 20 seconds in one continuous flow.

From a boiler: Keep the relief valve open until there is no more flow and all the pressure has dissipated.

Note: For new boiler applications this procedure

should be carried out after the heating system has been thoroughly flushed and cleaned but before any chemical inhibitors are introduced to the system.

For old boiler systems we suggest making up a temporary supply to test the D2 pipework as some boiler manufacturers do not recommend manual opening of the relief valve.

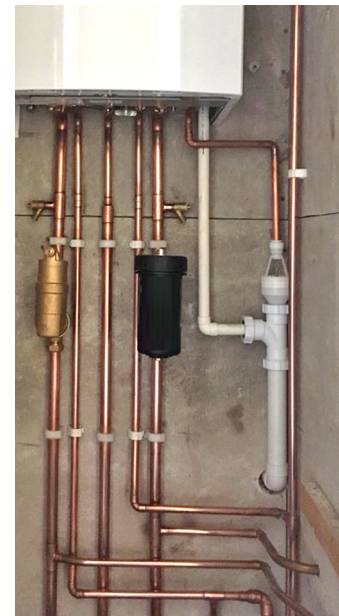
Service

As part of the hotun sf range warranty it is essential that an annual service is carried out by a qualified installer.

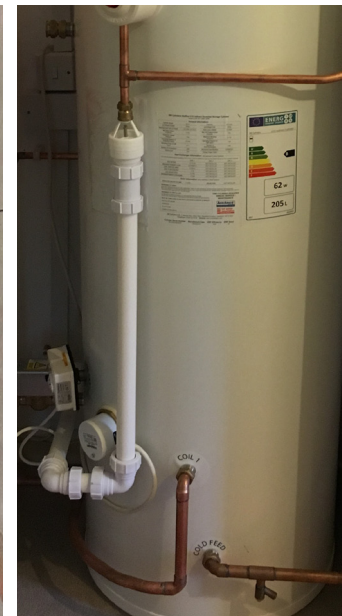
The service record at the back of these instructions is your validation of the warranty terms. It should be kept in a safe place as it will be needed in the unlikely event that a claim under the warranty terms is made.

The product must be inspected annually for correct operation. It should be visually checked for any foreign objects or obstructions within the upper chamber, anything found should be carefully removed. Trickle and full bore discharges should then be checked as per the commissioning procedure.

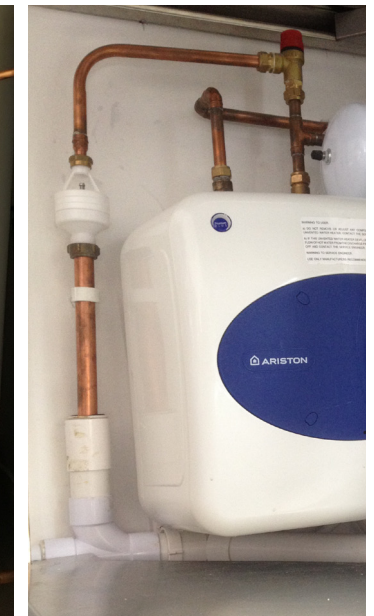
Typical installation layouts



Boiler
Product illustrated hotun hiflo sf



Large unvented cylinder
Product illustrated hotun hiflo - 100 range



Small unvented cylinder
Product illustrated hotun - 100 range