



# Technical Specification: SF RANGE



www.hotun.co.uk +44 (0)1332 702678 info@ratechuk.co.uk #seePRVeasily

## The hotun solution features & benefits

- The ORIGINAL & ONLY dry-trap tundish on the market that provides TWO vital advantages:
  - 1. COMPLIANT** at point of installation
  - 2. VISIBLY** at point of diagnosis
- COMPLIANT** at point of installation. hotun provides a safe and visible discharge from the relief valve
- ELIMINATES** risk of foul odours or gases from a waste pipe entering back into the building
- VISIBLY** - hotun allows a small puddle of water to form above the valve. The water is easily seen looking into the top of the tundish even after the PRV has stopped dripping. This visibility is vital for easy diagnosis. The customer seeing the water, will call you to diagnose the fault and repair any issues found.
- MAINTENANCE** is easy and practical from inside the building without having to dismantle or remove from the pipeline, simply pull the valve up through the aperture and back down again to clean - Visual inspection and/or cleaning of the valve is done in situ and in seconds
- WRAS approved** (air break to drain design) Fully complies with Building and Water Regulations and is suitable for use across domestic and commercial boilers, unvented systems (see illustrations A, B, C overleaf) and also condensate & air conditioning units.
- UKAS accredited** flow rates (operates under trickle and full bore discharges)
- 120°C** Temperature rating can be installed on any application

## hotun shield

- Generally for use on boilers, in accessible locations, to prevent access to any potentially scalding water discharging through the tundish
- hotun shield (if required) is the ONLY product on the market which is **100% effective** at preventing access to scalding water whilst still allowing visible signs of discharge.



	<b>hotun sf®</b> 15/22mm for small water heaters & some boilers	<b>hotun hiflo sf</b> 15/32mm for large unvented cylinders & boilers	<b>hotun xlsf</b> 22/32mm for all applications	<b>hotun shield sf</b> Prevents access to scalding water
<b>Max. Flow rate (L/min)</b>	22*	45*	54*	N/A
<b>Rated Flow Rate (L/min)</b>	16*	25*	40*	N/A
<b>Dimensions</b>	130mm(H) 57mm Ø	150mm(H) 57mm Ø	158mm(H) 57mm Ø	56mm(H) 64mm Ø
<b>RA Tech UK Product Code</b>	HWSF 15-22 (WHITE)	HBSF 15-22 (BLACK)	HHWSF 15-32 (WHITE)	HHBSF 15-32 (BLACK)
<b>Merchant Product Code</b>	HXLSF 22-32 (WHITE)	HSSF (CLEAR)		

## General Specifications for hotun dry trap tundish

<b>General Construction</b>	Ultrasonically welded, open sided construction with conspicuously visible reservoir. Sprung valve to stop odours entering from the foul drain
<b>Materials</b>	Body; Acetyl Thermoplastic CoPolymer. Bolt/Spring: 302 Stainless Steel. Diaphragm; EPDM to BS EN 681-1 Shore hardness 80-90
<b>Inlet/outlet</b>	15 or 22 JG Speedfit inlet and 22mm compression or 32mm universal/pushfit compatible outlet. **For technical (material) reasons, the connection on the 32mm plain outlet (hotun hiflo SF & XLSF) is NOT compatible with solvent weld fittings.
<b>Temperature rating</b>	120°C

<b>Air testing performance</b>	Passes sanitary (38mm WG) and drainage (100mmWG) in accordance with Approved Document H1 2015 1.38 & 2.60
<b>Approval</b>	Our hotunSF range of tundishes are WRAS Approved
<b>In situ service cleaning</b>	The valve on hotunSF can be pulled up through aperture (In situ) to clean off any limescale build up without the need to remove hotun from the pipeline or dismantle
<b>*Flow rate accreditation</b>	UKAS
<b>Regulatory requirements</b>	For T/PRV and PRV discharges from unvented hot water heaters and boilers the water must be conveyed to a place where it terminates in a conspicuously visible manner and any discharging water must not cause any danger to persons in or about the building (Boilers: BS6798 7.4.3.2, Unvented water heaters: G3(3)(b))
<b>Backflow protection</b>	hotun is designated as Air Break to Drain Fluid 5 category protection, designed & manufactured to WRc Test Code 2 & BS EN1717 & is suitable for use on all domestic and commercial unvented water heaters and boilers

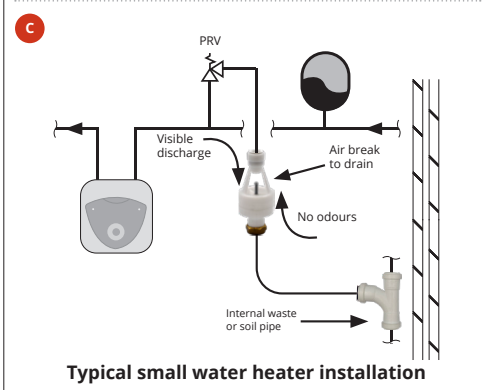
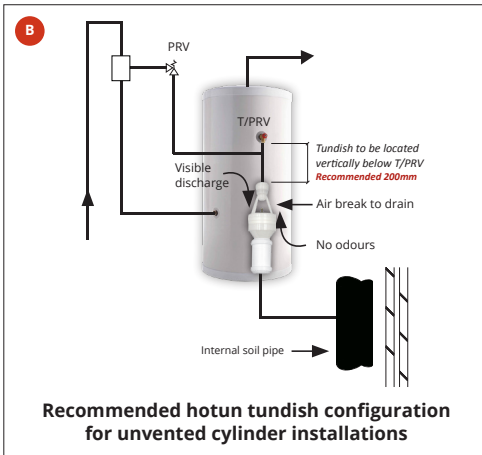
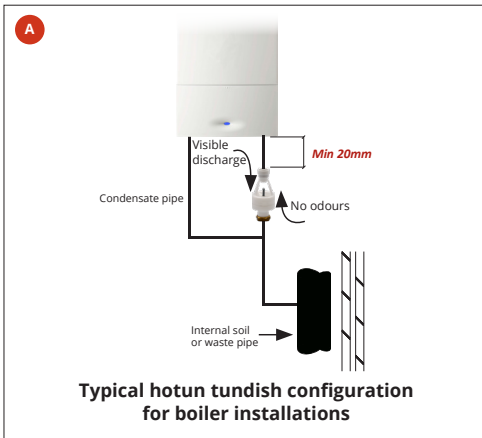
For installations that are connected to a Temperature Relief Valve (TRV), the correct grade of heat resistance D2 pipework has to be used. Typically this would be, PolyPropylene (PP, push fit), HDPE (High Density PolyEthylene) or MuPVC or C- PVC (Modified plasticized or Chlorinated PolyVinyl Chloride) and shall be supported every 300mm in the horizontal section & in accordance with the G3 Guidance document and the contractor must ensure that any soil pipework can be demonstrated to take the temperatures and volumes of water expected



# Technical Specification: 100C RANGE



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**hotun<sup>®</sup> shield**  
Prevents access to scalding water



**hotun<sup>®</sup>**  
15/22mm  
for small water heaters & some boilers



**hotun<sup>®</sup> hiflo**  
15/32mm  
for large unvented cylinders & boilers

**hotun<sup>®</sup> detect**

it makes hotun sense

Ancillary Product of the Year  
WINNER

WORLD'S FIRST

• Gives an audible & visual alarm  
• Staged warning depending on temp.  
• Battery operated

Not compatible with SF range of tundishes  
Shield is NOT to be used if tundish is in fluid communication with a wholesome water supply e.g. that on a boiler the filling loop is connected to the mains cold water

Max. Flow rate (L/min)	N/A	16	20*	N/A			
Rated Flow Rate (L/min)	N/A	12	18*	N/A			
Dimensions	36mm(H) 64mm Ø	104mm(H) 57mm Ø	126mm(H) 57mm Ø	57mm(H) 32mm(W)			
RA Tech UK Product Code	HS100C (CLEAR)	HW100C (WHITE)	HB100C (BLACK)	HHW100C (WHITE)	HHB100C (BLACK)	HD-S1P (1 pack)	HD-S2P (2 pack)
Merchant Product Code							

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<b>General Construction</b>	Ultrasonically welded, open sided construction with conspicuously visible reservoir. Sprung valve to stop odours entering from the foul drain
<b>Materials</b>	Body; Acetyl Thermoplastic CoPolymer Valve/Spring; 302 Stainless Steel Diaphragm; EPDM to BS EN 681-1 Shore hardness 80-90
<b>Inlet/outlet</b>	½" BSP flat faced tap connector inlet and 22mm compression or 32mm universal/ pushfit compatible outlet. **For technical (material) reasons, the connection on the 32mm plain outlet (hotun hiflo SF & XLSF) is NOT compatible with solvent weld fittings.
<b>Temperature rating</b>	120°C
<b>Air testing performance</b>	Passes sanitary (38mm WG) and drainage (100mmWG) in accordance with Approved Document H1 2015 1.38 & 2.60

### Approval

#### In situ service cleaning

#### \*Flow rate accreditation

#### Regulatory requirements

#### Backflow protection

hotun is WRAS Approved

The valve on hotun, can be pulled up through aperture (in situ) to clean off any limescale build up without the need to remove hotun from the pipeline or dismantle

UKAS

For T/PRV and PRV discharges from unvented hot water heaters and boilers the water must be conveyed to a place where it terminates in a conspicuously visible manner and any discharging water must not cause any danger to persons in or about the building (Boilers: BS6798 7.4.3.2, Unvented water heaters: G3(3)(b))

hotun is designated as Air Break to Drain Fluid 5 category protection, designed & manufactured to WRc Test Code 2 & BS EN1717 & is suitable for use on all domestic and commercial unvented water heaters and boilers

For installations that are connected to a Temperature Relief Valve (TRV), the correct grade of heat resistance D2 pipework has to be used. Typically this would be, PolyPropylene (PP, push fit), HDPE (High Density PolyEthylene) or MuPVC or C- PVC (Modified plasticized or Chlorinated PolyVinyl Chloride) and shall be supported every 300mm in the horizontal section & in accordance with the G3 Guidance document and the contractor must ensure that any soil pipework can be demonstrated to take the temperatures and volumes of water expected