



DRY RISER TESTER

An extremely simple to use 12 bar pump system to pressurise and test dry risers

No pressure switches to set and no pump hunting

Simply ramp the pressure up or down using an Allen key

A high flowing pump fills the riser quickly

A second pump automatically starts after 3 minutes to achieve the final pressure

A 4" gauge next to the relief valve enables accurate control



If you get distracted by site phone calls, the pumps will auto cool themselves, protecting the pump seals/ motors

Each pump has a 30mA RCBO 10 amp trip, thermal overload and are also thermistor protected

Each pump can be removed without an electrician – a plug and socket is available for both

The pumps are bolted with nutserts, so if the worst should happen, a swap is super quick and easy

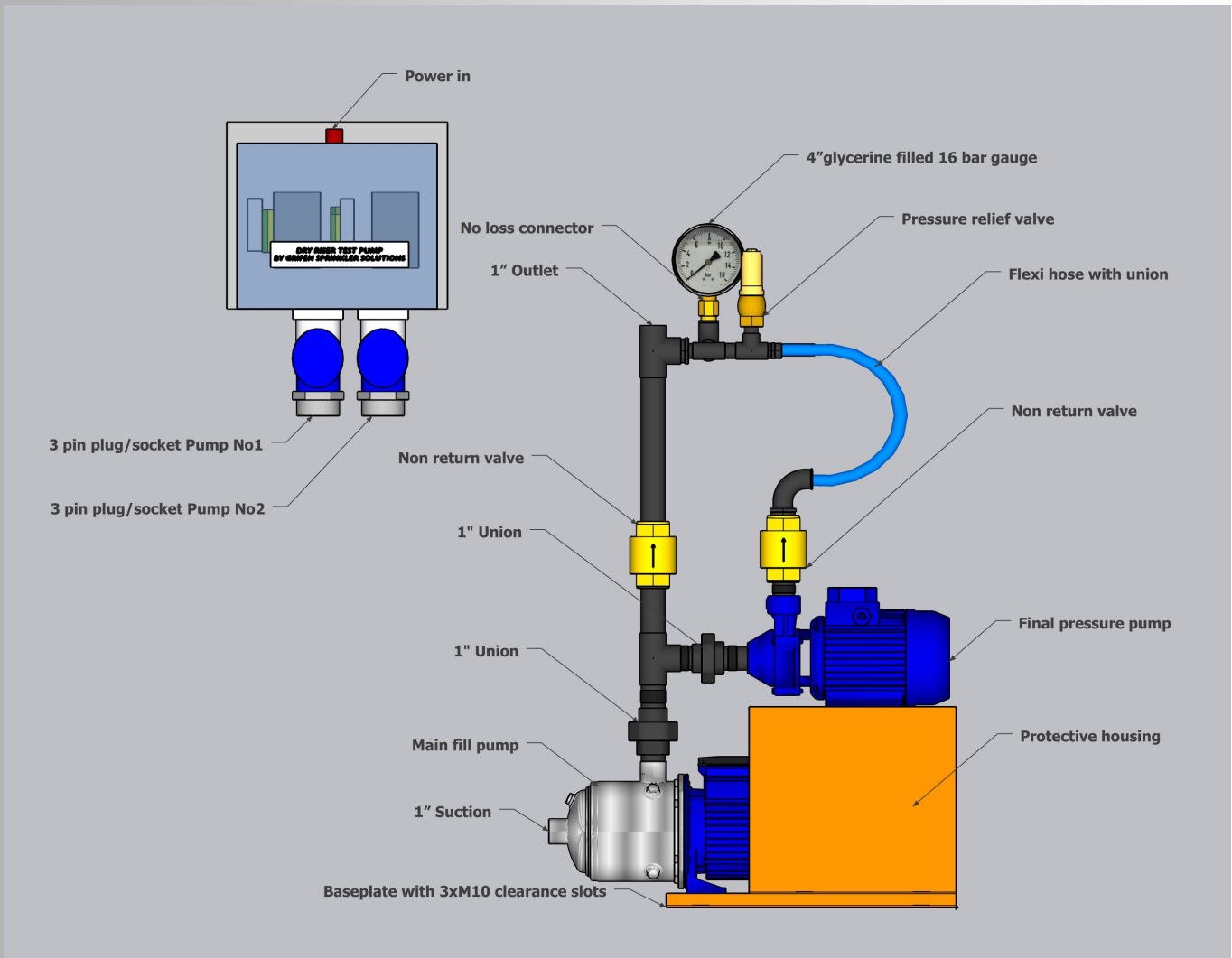
Our post production black dip process protects the pipework inside and out, and we think it looks rather smart too

The incredibly simple set up, turn the adjuster to set the pressure

If you are on a site where pipework is old and you have concerns about leaks, you can simply dial the pressure up, walk around and check, whilst the pumps keep themselves cool



GRIFEN sprinkler solutions are a fire sprinkler product designer and UK manufacturer, not a pump manufacturer. We understand systems and the implications on site, as a result we are able to provide systems that work best for you and give peace of mind. We understand the riser vent air release valve takes time and could turn a pressure switch off/on– so we have the correct solution for you.



PUMP COOLING

Pumps all require a minimum flow, Machinery Equipment Directive determines motors must be temperature safe.

It's easy to be distracted on a busy site, so you are safe knowing the pump casing/ seals will remain cool.

Our thermal imaging work with our residential pumps brings our knowledge and expertise to this product.

(Right; motor at normal temperature, pump casing hot in a runaway condition) .

This is what we avoid with the relief valve.



STATUS INDICATORS

Visible Contactors/ on/ off

At any time you can monitor the healthy state of the contactors through the polycarbonate cover.

Visible RCBOs

At any time you can monitor the healthy state of the RCBOs through the polycarbonate cover.

Pump No 2 timing LED

When the first timer light is on, it means pump No1 is running and Pump No 2 is waiting to start.

Pump No 2 running LED

When both timer lights are on both pumps should be running.

SIMPLE SET UP

Can be used from a site generator or plugged in, a choice of 3 pin mains plug, or 3 pin mains connector are available at order stage.

Switch on, and adjust the relief valve if needed.

If using a generator, start the generator and then turn the test pump on (3HP would be sufficient).

An optional rotary isolator is available prewired, you will still have the choice of 3 pin mains plug, or 3 pin mains connector as a tail.

NORMAL OPERATION

Pump No 1 quickly fills the riser pipework.

Pump No 2 will then start 3 minutes later and assist to generate the required 12 bars.

FAILSAFE

Pump seals in horizontal pumps are safer when your tank is getting low.

If Pump No 1 should thermally trip, or trip on its RCBO, it will automatically stop pump No 2.

On a thermal reset restart, Pump No1 will start and Pump No 2 will start after the 3 minute delay.

If you do manage to break a pump, they are small, very cost effective and very simple to swap.

CE MARKING

The product is CE marked for the Machinery Equipment Directive

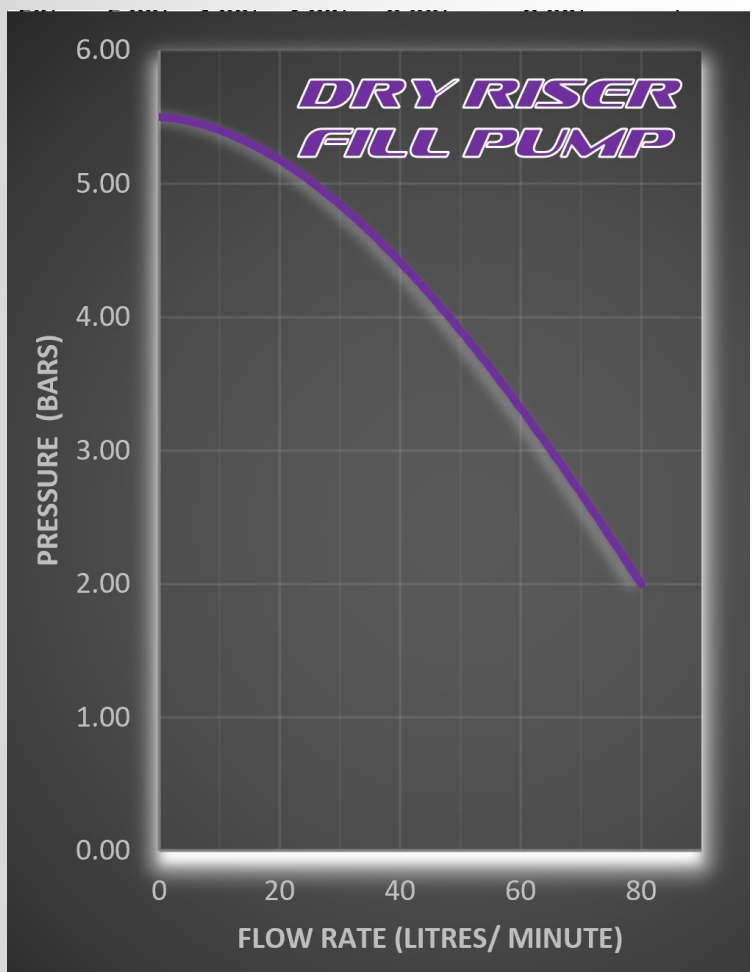
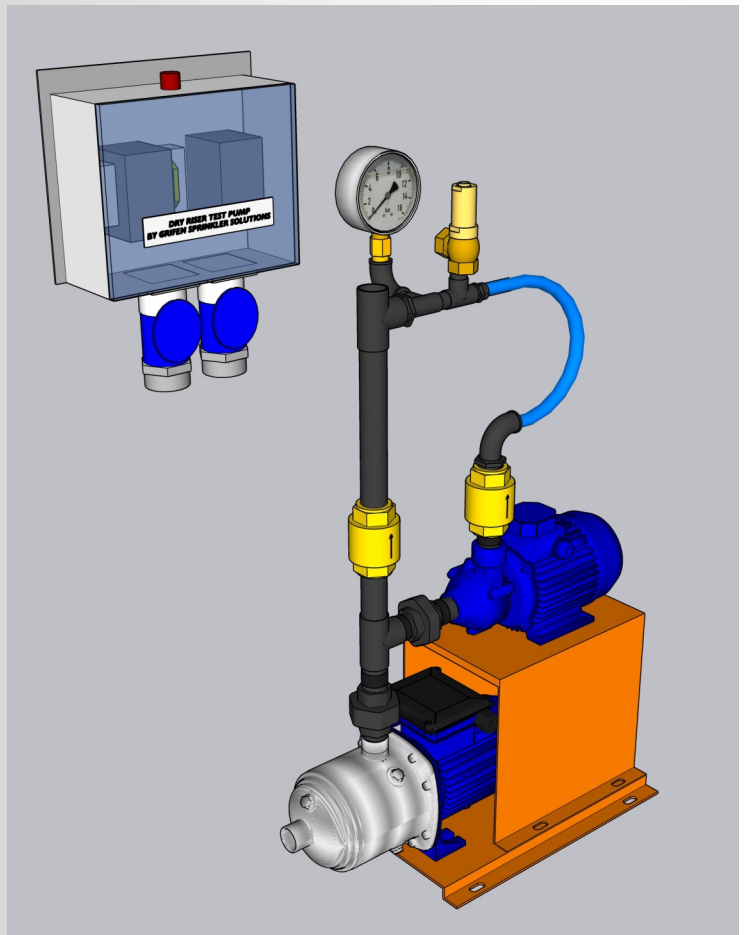
The product is CE marked for the Low Voltage Directive

The product falls outside CE marking for the Pressure Equipment Directive— although it complies

DRY RISER TESTER

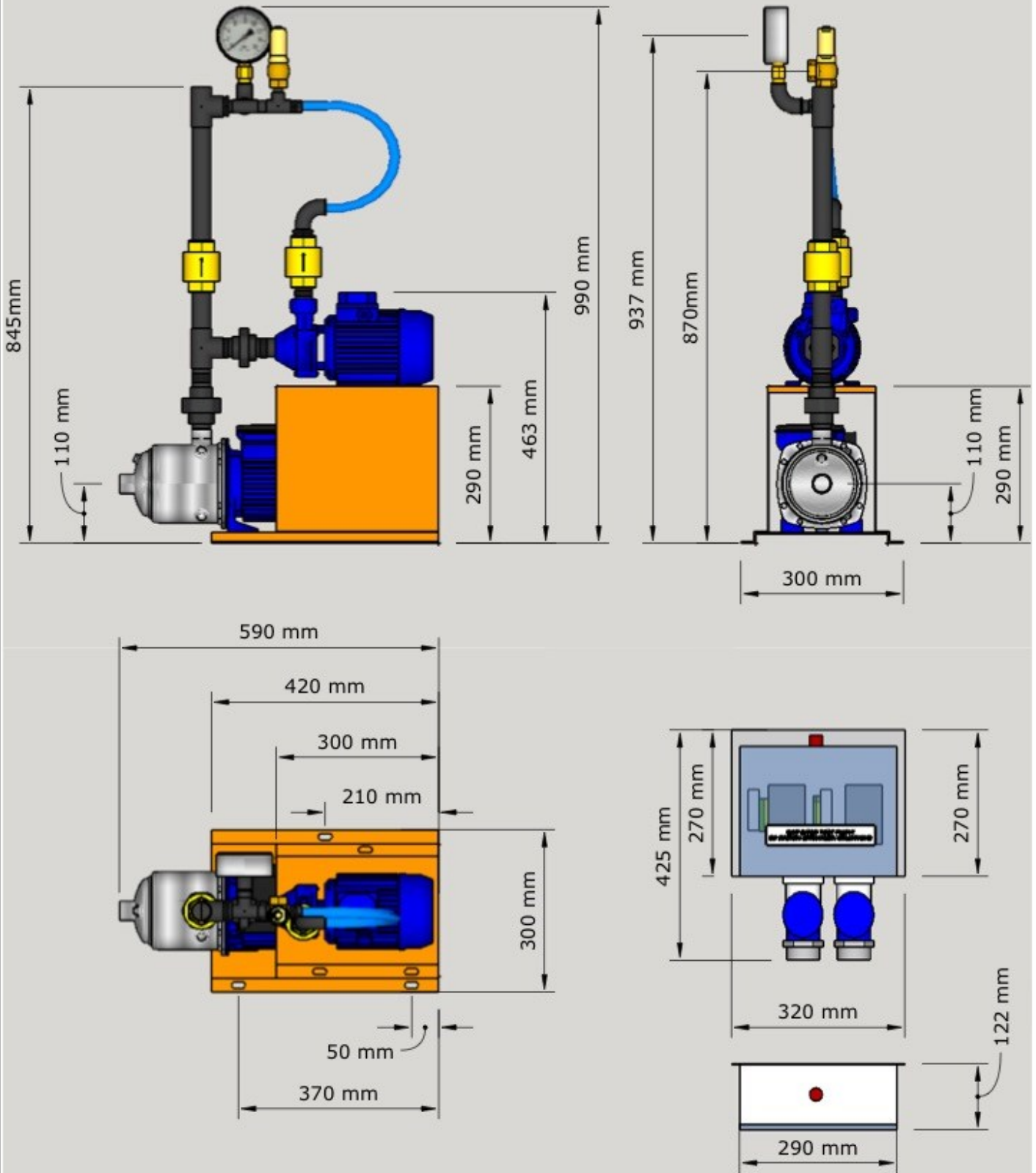
12 BAR TEST PUMP

H max	12.5 bars
Inlet	1" BSPP Female
Delivery	1" BSPP Female
Relief Valve	1/2" BSPP Female
Supply (required)	230 Vac 50Hz Single Phase
Motor No 1	0.9 kW
Full load current	5.4 Amps
Locked rotor	26.5 Amps
Motor No 2	0.75 kW
Full Load current	5.6 Amps
Locked rotor	19 Amps
Minimum fuse (required)	13 Amps
Maximum fuse (required)	20 Amps
Power Cable connector	300mm from controller
Power cable CSA	2.5mm
2 Core +E	
RCBOs 30mA	10 Amps trip
1 / pump	
IP54 Minimum	



The Fast fill pump performance curve

DRY RISER TESTER



0	20	30	45	60	80
FLOW RATE (LITES/ MINUTE)					
5.5	5.2	4.5	4.2	3.3	2.0
TOTAL HEAD (BARS)					

Above pump data for the fast fill pump

Weight 25.5kg

GRIFEN sprinkler solutions

Tel: +44 (0)1625 575514 sales@grifen.co.uk www.grifen.co.uk

ORDERING A DRY RISER TESTER

DRT 230-120

DRT230-120 £1800.00 including delivery

Including Mains 13 amp prewired plug - free, or 3 pin connector prewired - free

Or

**Prewired Rotary Isolator 20 Amps £85.00
+ free plug of your choice**

(Isolation is required when using a generator to allow it to start prior to the pump starting, your generator will likely have a switch for the electrical output. You also need to be able to turn the pumps off.

Vans may already be kitted out with such a device (so this may not be required).



Also available from GRIFEN sprinkler solutions;

FLOW CONTROLLED™ the amazing sprinkler pumps that save tons of stored water

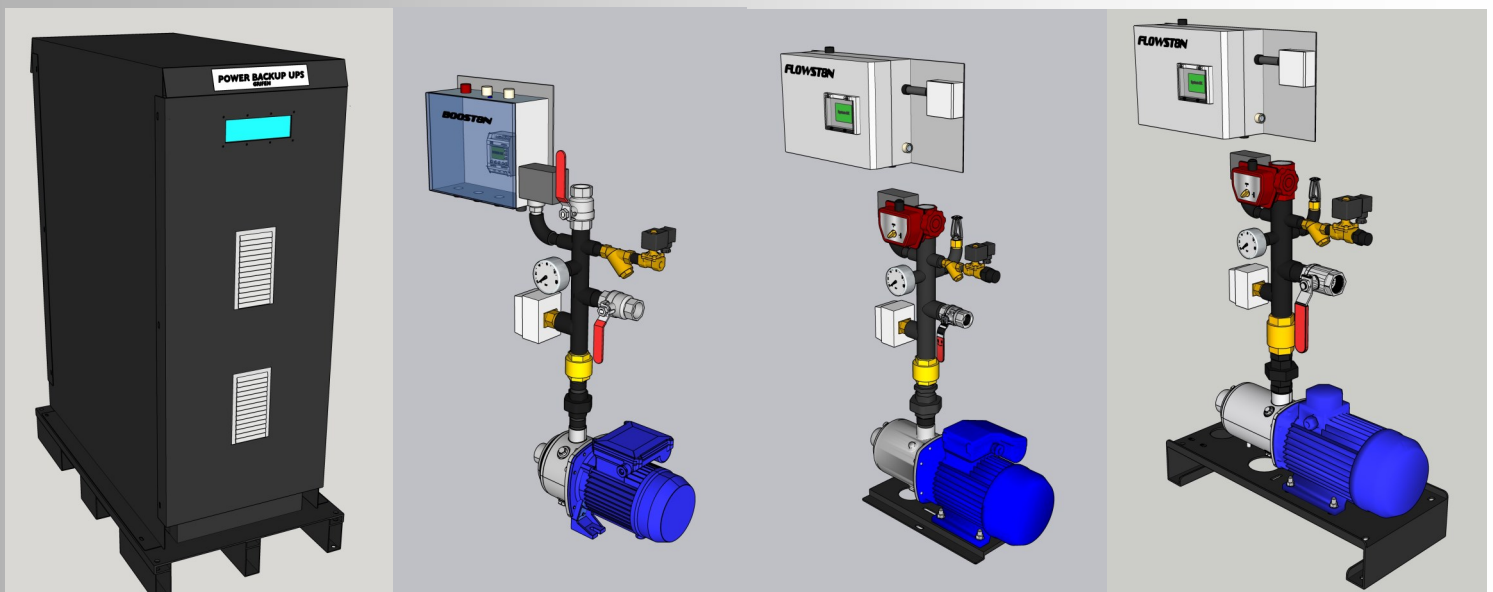
PRIORITY DEMAND VALVES

UPS BACKUP POWER SYSTEMS

BOOST8N™ Cat 1 domestic fire sprinkler pumps

FLOWST8N™ Cat 2 & 3 Residential fire sprinkler pumps

DUPLIC8™ Duty/ Standby communicating residential fire sprinkler pumps



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