

Dry Riser Test Pump

As part of our range of booster pump and test equipment, SEP offers this Dry Riser Test Pump unit, available in **two sizes (13.5 bar** which will cover most UK risers, and **18 bar** which is required for Ireland, and some high pressure systems).

Using global pump manufacturers such as Lowara, Grundfos or Efaflu, with a comprehensive outlet manifold, pressure switch controls, and mounted on a powder-coated steel skid, our unit solves many problems encountered during the challenge of annual dry riser pressure testing.

We are often asked **"is it not much slower** to fill when compared to the OLD METHOD of using a Godiva pump?". Well, we're a manufacturer and we don't actually use them, but our customers tell us that comparing the whole job of unloading and preparing the Godiva, setting up the job, starting and running the tests, packing up again...our solution is actually quicker, cleaner and quieter – the actual fill-time of the riser is only part of the whole job. Several of our customers now have multiple SEP DRTPs, and it seems that once you've experienced the 'new way' then **there's no looking back!**

As always, when buying from us, you will expect high levels of service and top quality, as well as some or all of the **following numerous advantages** compared to standard dry riser testing methods:

- 230v pump can be easily powered from maintenance vehicles using an in-vehicle inverter, generator or even local accessible power supply (not our speciality, but see over for more details).
- Pressure switch ensures the pump runs only to your pre-determined set pressure, cutting in again only if required.
- No need to carry, manoeuvre, start (or try to!) and continually rev up heavy petrol-driven pumps.
- No need to carry a separate and risky flammable fuel supply.
- Virtually no noise compared to running and revving petrol-driven pumps, making it perfect for early mornings, and buildings such as residential, office, school, care home etc.
- Pump set can be fed by vehicle-mounted water tank or external hydrant supply.
- No need to remove pump set from vehicle to carry out testing routines.
- Test sequence can become a one-person task instead of multi-person.
- Increased reliability and easy maintenance using off-the-shelf parts familiar to most fire sprinkler engineers.
- 1" and 2" outlets allowing feed into 1" drain or 2.5" Instantaneous fitting, whichever is preferred or available.
- Additional and/or different valves/outlets can be fitted during or after manufacture to suit customers' preferences.



Standard specification includes:

- UK-standard 13 bar models: 1.1kw Lowara 1SV22 or Grundfos CRi1-23 vertical multistage pump, Hmax 13.5 bar, Qmax 40lpm;
- Ireland-standard or UK-high pressure 18 bar models: 1.5kw Efaflu BMVET1-30, Grundfos CRi1-30 or Lowara 1SV27 vertical multistage pump, Hmax 18 bar, Qmax 40lpm;
- Outlet manifold including 1" and 2" outlets, check valve, pressure switch (Bailey & Mackey 1381) and pressure gauge;
- Electrical control module, with 2m flex for mounting where best for you;
- Steel-skid mounted for full stability and sleek looks.

Please see reverse for further technical data.

As standard, we're NOT standard, so we offer the following options:

- Test certificate for pressure gauge - recommended.
- 1" Y-strainer to protect pump from solids contamination – strongly recommended.
- 1" x 1m male-female flexi-hose to connect IBC to pump inlet.
- 5.5mm insulated nut spinner, for adjusting pressure switch.
- Instantaneous adaptors for fire hose.
- Lay-flat hoses complete with instantaneous connections.
- Variable differential (1381V) or higher pressure switch.
- Manifold design and build to suit your individual requirements, including different outlets and connections.
- IBC water tank with adaptors.

Weights and Dimensions

Height approx.	13 bar models approx. 1015mm, 18 bar models approx. 1145mm,
Footprint approx.	550x520mm
Weight approx.	13 bar models approx. 60kg, 18 bar models approx. 65kg,

Power Supply Options

We are regularly asked by customers and potential customers about the best option/s for supplying power for the dry riser test pump. The answer is not simple, and we are not specialists in this area; however, we are able to offer advice based on research and discussions with both power supply specialists, and customers who have been using the unit for some time.

Based on the above, we suggest the following possible solutions for consideration.

- 230v extension leads: yes, some users have this as a solution – certainly cheap, also quick and easy where possible, but this may not always be the case and leaves you reliant on access to power points.
- Petrol generator. Although this solution negates one of the advantages, many engineers carry this kit anyway. Cost is around £300-500.
- Power inverter. A pure sine wave DC12V to AC230V inverter connected directly to the vehicle battery. We know several customers are using this solution without any problems, although according to the inverter specialists this may cause early wear to the vehicle battery. All we would suggest is that you have the vehicle battery checked regularly. Cost is around £400-500.
- Full inverter kit. This is the 'gold-standard' solution (but we are not aware of any customer that has needed to use this) including an inverter with 230v charger, a pair of heavy-duty leisure batteries and a DC-DC charger. The cost is, in our opinion, quite high at around £2,000.

Whatever power supply you decide to use, please take advice from a specialist, and ensure that it is rated for use with a motor (which draws a much higher current during initial start-up than non-motor devices).

We repeat that we are not electrical specialists and are not able to advise on or quote the best power supply for your needs; there is not one solution which will be suitable for everybody so please take independent specialist advice.

Dry Riser Test Pumps installed in customers' vans

