

PTSG

PREMIER TECHNICAL
SERVICES GROUP

Fire Solutions Ltd

DRY AND WET RISERS



ESSENTIAL FIRE PROTECTION FOR TALL BUILDINGS THROUGHOUT THE UK

OVERVIEW

Dry Risers are vertical water mains fitted into staircase enclosures or similar, with outlet valves on each floor to enable the fire brigade to connect to the water supply at ground level. They consist of a vertical pipe with an inlet at ground level on an outside face of the building and outlets (known as landing valves) fitted in cabinets at each floor level, allowing fire and rescue service personnel to pressurise the main from their appliances. Rising mains in buildings can be either filled with water (Wet Riser) or left dry (Dry Riser). The current standard for the installation and maintenance of Dry Riser Systems is BS9990 2015.

PTSG has established a reputation for delivering a cost-effective, time-efficient and professional service, ensuring that your dry and wet riser systems remain safe and compliant at all times. We have worked for some of the UK's leading organisations including the Olympic Stadium – where we tested and commissioned all the dry riser systems at the stadium; NHS hospitals – maintaining dry risers (as well as fire hydrants and sprinkler systems); and Fairview Homes – installing a dry riser system covering 700 apartments over 13 acres.





OUR SERVICE

Dry Risers are vertical water mains fitted into staircase enclosures or similar, with outlet valves on each floor to enable the fire brigade to connect to the water supply at ground level. They consist of a vertical pipe with an inlet at ground level on an outside face of the building and outlets (known as landing valves) fitted in cabinets at each floor level, allowing fire and rescue service personnel to pressurise the main from their appliances. Rising mains in buildings can be either filled with water (Wet Riser) or left dry (Dry Riser). The current standard for the installation and maintenance of Dry Riser Systems is BS9990 2015.

PTSG has established a reputation for delivering a cost-effective, time-efficient and professional service, ensuring that your dry and wet riser systems remain safe and compliant at all times. We have worked for some of the UK's leading organisations including the Olympic Stadium – where we tested and commissioned all the dry riser systems at the stadium; NHS hospitals – maintaining dry risers (as well as fire hydrants and sprinkler systems); and Fairview Homes – installing a dry riser system covering 700 apartments over 13 acres.

4

Installation

We have the design capability and experience to carry out the installation of bespoke dry riser systems for organisations of all kinds. PTSG's site engineers fabricate systems on site and make sure installation follows design drawings. Any alterations are dealt with as soon as they arise.

By law, dry risers must have fire engine access within 18m of the dry riser inlet box and have to be housed in a fire-resistant shaft. In commercial properties, this is usually under the staircase of a fire exit.

After the installation is complete, the riser is hydraulically pressure-tested to the British Standard BS9990 2015. A test certificate is then issued.

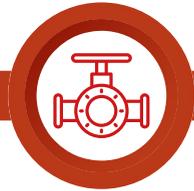


5

Servicing and Maintenance

A visual inspection of dry and wet risers is required every six months, plus an annual wet test. PTSG specialises in the servicing, maintenance and commissioning of wet and dry risers, offering national coverage. Our 16-point service includes a full, detailed electronic report, provided after every site visit. All testing and commissioning is carried out in accordance with BS9990 2015 using the latest digital flow and test equipment.

Six-month visual inspection – checking



All valves open and close, leave close (checking strap and lock if required)



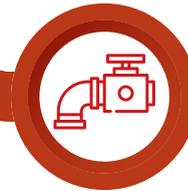
That all hand wheels and nuts are undamaged and in place



For damaged and missing blank caps and chains



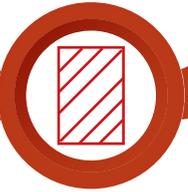
All outlet washers



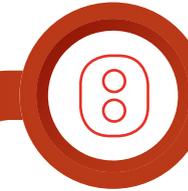
Landing outlets are free moving and undamaged



The inlet cabinet and door for corrosion



The cabinet glass

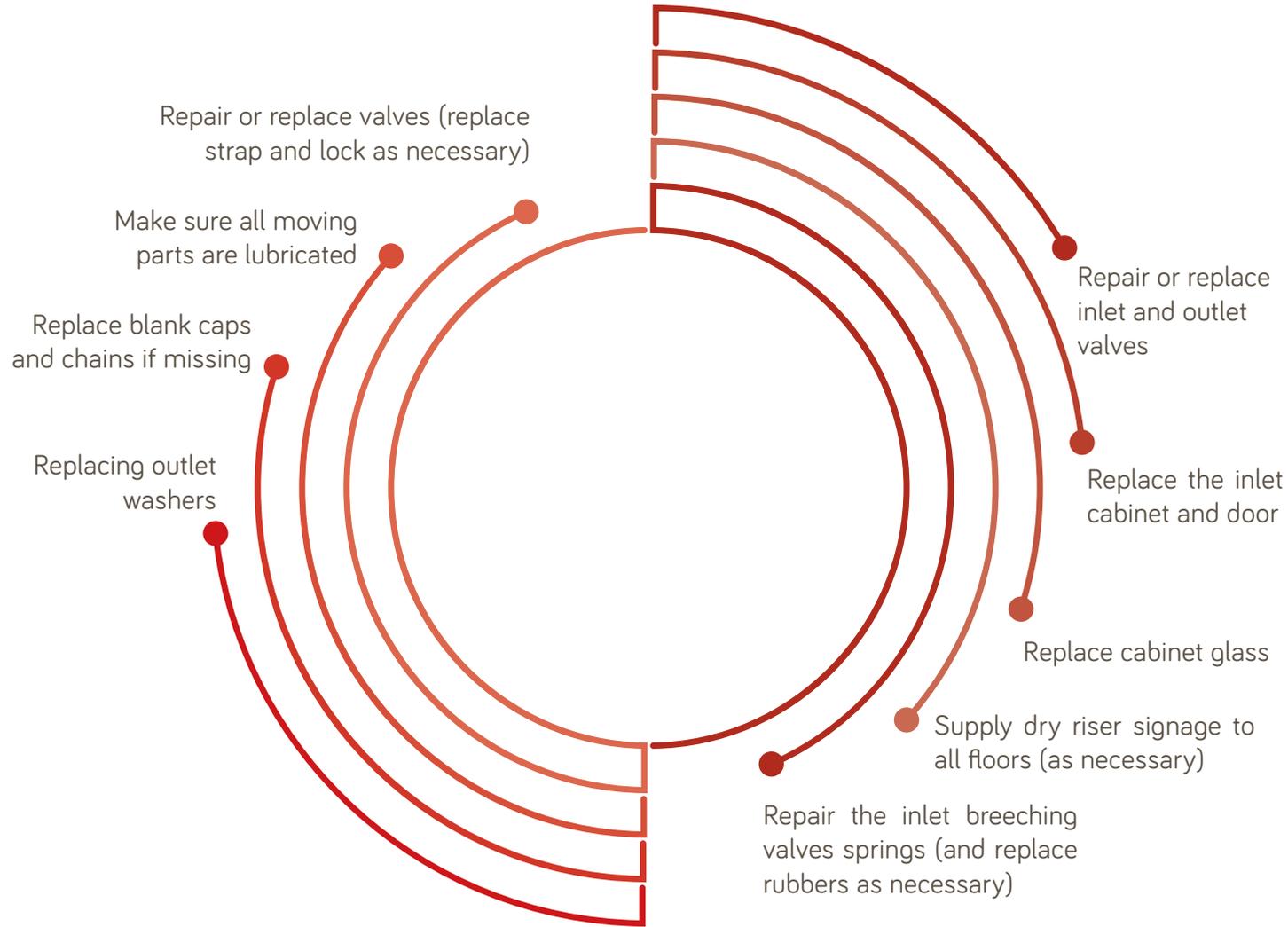


The inlet breaching valve springs and rubbers are free moving and in good condition



All required signage is present and correct

Maintenance and remedial repairs



Dry riser check list:

Minor Service Checklist

- | | | | | | |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 1. Full inspection of Inlet Cabinet, check for damage and corrosion | 2. Inlet Cabinet Glass: Check to see that glass is not broken or cracked. | 3. Inlet Sign: Check to see if fitted and legible. | 4. Inlet Breeching: Check for corrosion cracks in the body and that non-return valves are in good order. | 5. Valve Cap: Check to make sure both are fitted and in good order. | 6. Drain Valve: Check for corrosion, that it operates correctly and is intact. |
| 7. Outlet Valves: Check for body damage, that it operates correctly and is in good order. | 8. Instantaneous Washers: Check they are in place and in good condition. Replace on major service. | 9. Outlet Plug: Check to see if fitted and they can easily be removed and refitted. | 10. Padlock & Straps: where fitted check to see if they are in good working order. | 11. Air Release Valve: If fitted, check to see they are in good working order and intact. | 12. Check where visible all exposed pipework and clamps and wall brackets. |

When the above checklist is completed, all operating and moving parts are lubricated.

Major Service (Pressure Test) 17 Point Check

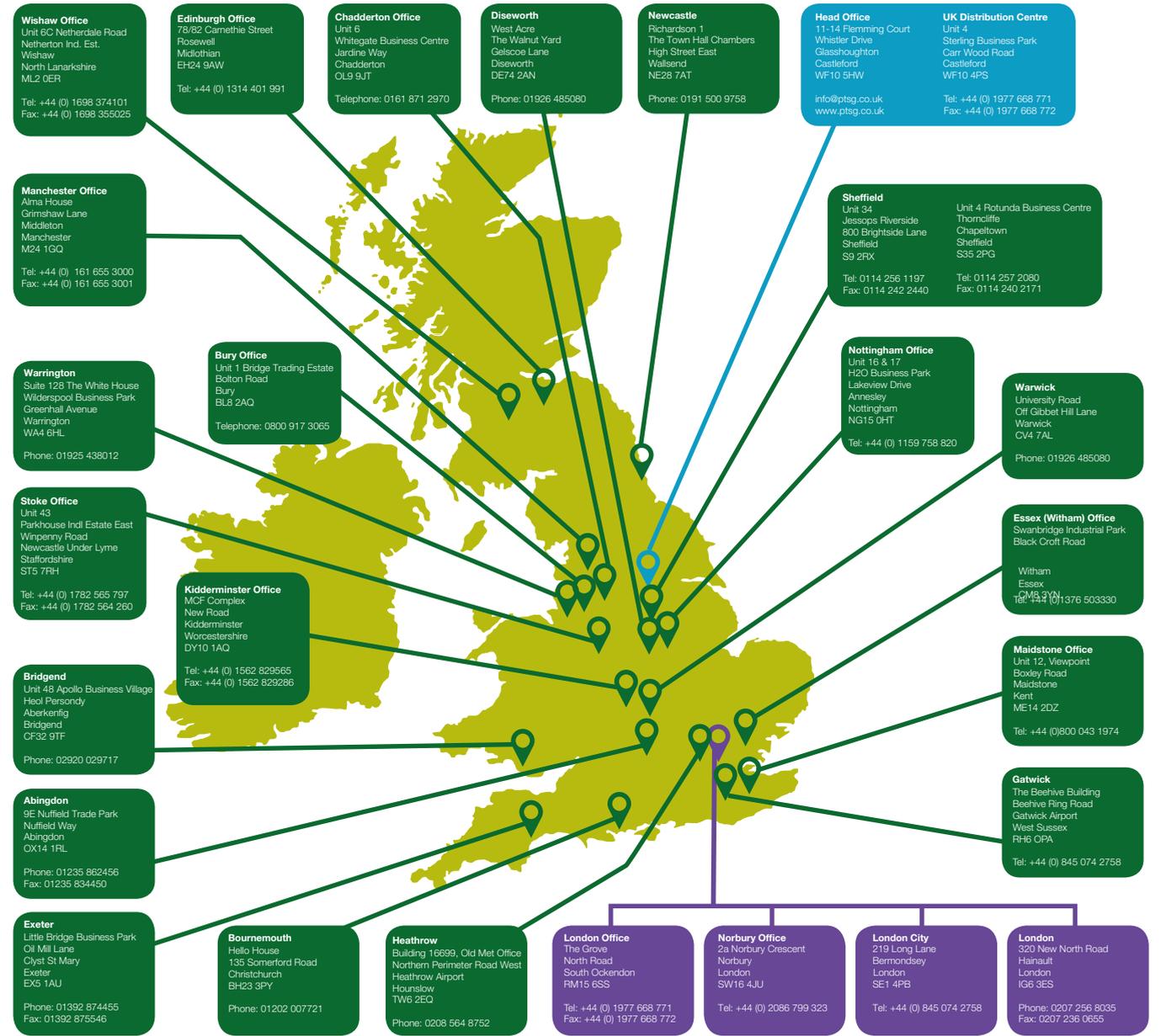
- | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 13. Inlet Pressure – a reading is taken from the bottom of the dry riser, the system is then pressurised to 12 Bar for 15 minutes. | 14. Top Floor Pressure – a reading is taken from the top outlet valve. System is pressurised and bar pressure recorded. | 15. Service Label – a service label is completed on every visit with findings recorded. | 16. Cabinet Sticker – a sticker with our contact details is fitted. | 17. System Drained and Secured – all keys and passes returned to site contact |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|

All dry riser will be serviced to British Standards BS9990 2015, and certificates will be issued and a copy of the engineer's work sheet will be given to the site contact, we will also email a copy of the test certificate to head office for their records.

ACCREDITATIONS



For more information visit ptsg.co.uk





ptsg.co.uk



01977 668 771



info@ptsg.co.uk



[@ptsgltd](https://twitter.com/ptsgltd)