

Important Information about maintaining
and inspecting your
Fixed Firetrace Automatic
Fire Suppression System

*Please read carefully and keep this information
safe for future reference*

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Stops fires where they start



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- Quarterly Check
- Annual Inspection for Low Pressure Firetrace[®] Systems
- Annual Inspection for High Pressure Systems



Firetrace[®] Limited recommends a visual inspection of a Firetrace[®] system at least every three months.

The following checks shall be carried out on a 3 monthly inspection.

- Check the pressure gauge is reading mid-green.
- Carry out a visual check of the trace detection tube.
- Carry out visual check of discharge pipe work. (*where applicable*)
- Check all discharge pipe work fittings for soundness. (*where applicable*)
- Check the isolation valve is in the correct position. (*where applicable*)
- Ensure physical changes of protected areas haven't affected cylinder suitability.
- Check external surface of the cylinder for evidence of rust or corrosion.
- Report any potential problems immediately.



The following checks shall be carried out on an annual inspection of a Firetrace[®]

Low Pressure System. (Novec 1230, Dry Powder, AFFF Foam, Low PH Systems)

Firetrace[®] Limited recommends a visual inspection of a Firetrace[®] system at least every three months and fully serviced annually by a competent engineer.

Remove discharge pipe work (where applicable) and fit blanking caps before starting maintenance

- Check the pressure gauge is reading mid-green.
- Ensure the system does not require discharge test.
(5 years for dry powder and foam/Low PH systems, 10 years for gaseous systems)
- Remove to test operation of pressure gauge.
(Ensure thread and 'O' ring are cleaned and greased before refitting the pressure gauge)
- Carry out a visual check of the trace detection tube.
- Carry out visual check of discharge pipe work. *(where applicable)*
- Check all discharge pipe work fittings for soundness. *(where applicable)*
- Check pipe work and detection tube supports for tightness.
- Check the isolation valve is in the correct position. *(where applicable)*
- Remove to test the operation of the pressure switch. *(where applicable)*
(Ensure thread and 'O' ring are cleaned and greased before refitting the pressure gauge)
- Check the correct operation of any telemetry. *(where applicable)*
- Ensure physical changes of protected areas haven't affected cylinder suitability.
- Check cylinder mounting bracket and fixings for soundness.
- Check external surface of the cylinder for evidence of rust or corrosion.
- Agitate contents of cylinder. ***(Dry Powder Only)***
- Remove blank plugs and refit discharge pipe work *(where applicable)*
- Mark cylinder label accordingly.
- Report any potential problems immediately to Firetrace[®] Limited or via your normal reporting process.

If there is visible sign of pressure drop then;

- Isolate the cylinder by means of the isolate valve and pressurize the trace detection tube to 12 Bar as per commissioning instructions in our training manual. Mark the gauge and leave for 1 hour to test trace tube for leaks.
- Drain the trace detection tube by way of depressing schrader valve in the **end of line adapter on the indirect low pressure systems** or **pressure switch port on the NEW direct low pressure Novec Systems** and rectify the source of the leak *(if applicable)*.
- Remove the cylinder and check weigh. *(Tolerance +/- 5% of system full weight indicated on the cylinder service label, replace system if weight loss is greater than 5% of cylinder full weight)*
- If no weight loss has occurred on the cylinder, replace the cylinder and follow commissioning instruction in the training and reference manual.



Firetrace[®] Limited recommends a visual inspection of a Firetrace[®] system at least every three months and fully serviced annually by a competent engineer.

The following checks shall be carried out on an annual inspection of a Firetrace High Pressure System. (Co₂)

- Check cylinder date stamp to ascertain discharge test date. *(10yr interval)*
- Check cylinder mounting bracket and fixings for soundness.
- Check external surface of the cylinder for evidence of rust or corrosion.
- Ensure physical changes of protected areas haven't affected cylinder suitability.
- Isolate the system by turning the isolate valve so it is 90° to the detection tube.
- Remove discharge pipe work and fit the blank cap.
If there is no blank cap present, DO NOT WORK ON THE SYSTEM
- Locate and check the pressure gauge is reading mid-green on the end of line adapter.
- Remove to test operation of pressure gauge.
(Ensure thread and 'O' ring is cleaned and greased before refitting the pressure gauge)
- Drain the detection tube by carefully depressing the Schrader core in the end of line gauge adapter.
- Remove the detection tube from the cylinder ensuring the isolate valve doesn't turn.
- Remove the pressure switch to check operation. *(where applicable)*
(Ensure thread and 'O' ring is cleaned and greased before refitting the pressure gauge)
- Check the correct operation of any telemetry. *(where applicable)*
- Remove the cylinder and check weigh. *(Tolerance +/- 5% of full weight indicated on cylinder service label. If any weight loss is greater than 5% of weight indicated on the cylinder service label, the cylinder must be replaced.)*
- Mark cylinder label accordingly.
- Replace cylinder and follow commissioning instruction in training and reference manual.
- Report any potential problems immediately.



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AUTOMATIC FIRE SUPPRESSION SYSTEMS



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