

Subject: **Important Safety Update** – Replacement of plated steel fittings for PEFS F3 systems

Product: PEFS F3

Parts: Hydraulic adaptors and hose couplings used in the discharge system

In relation to the previously published Technical Bulletin [TB20190](#) issued in December 2019, Chubb was made aware in late October 2021 of a **high potential incident** whereby the discharge of a PEFS F3 system was obstructed due to **rust particles blocking and impairing nozzles**.

The PEFS fire system in this case is believed to have been fitted approximately 15 years ago and was converted to a PEFS F3 system in March 2019.

Based on the **high potential incident** classification, **Chubb is now recommending additional actions for any PEFS F3 system that have plated steel hydraulic fittings and hose couplings older than 5 years, and/or systems that were identified on the last maintenance service record as having nozzle impairments due to rust particles.**

Alternative hydraulic fittings are now available for use for the PEFS F3 system. The new fittings are a **combination of brass and stainless steel**. The fittings were introduced to ensure that all the **internal surfaces** of the **discharge and actuation system** would be **corrosion resistant**, thereby **reducing the risk of rust particles** blocking or impairing to discharge nozzles. More information can be found in [TB202101](#).

In field actions

- All new PEFS F3 systems will be supplied without plated steel fittings and **we recommend you contact your local Chubb representative to discuss your options for replacing the plated steel fittings in your existing PEFS F3 system at your earliest convenience.**

Important Note: *Older systems are expected to be more susceptible to blockages or impairments. As such, it is further recommended that they are given priority in any replacement program being considered.*

- For systems **still using plated steel fittings** or waiting to be replaced, **Chubb recommends** that the “**Distribution System – Clear Passage Test** detailed on Page 21 of the PEFS F3 Maintenance Manual, be **carried out at the 6-monthly service**.
 - **Where multiple nozzles** are found to be **impaired** during a **discharge**, Service technicians **should recommend** either.
 - **increasing the frequency** of the routine service,
 - **booking in a non-routine service call to replace the plated steel fittings** at the earliest opportunity.

Note: The maintenance of a PEFS's system should be carried out according to the relevant Chubb maintenance manual. Manuals, datasheets and bulletins can be downloaded from the Chubb [website](#).

Effective Date: Immediately

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