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22nd September 2016

Warning – R-410A Refrigerant & Polyol Ester (POE) are not to come into contact with PVC, CPVC & ABS.

There are certain chemicals that can cause Environmental Stress Cracking (ESC) in PVC, CPVC & ABS piping. POE is highly incompatible with PVC, CPVC & ABS piping resulting in subsequent leaking. If a condensate system is repaired and the refrigerant circuit within the system is opened, POE can enter into the system and cause ESC within the pipes.

Heating, Ventilation & Air Conditioning (HVAC) systems can also fail occasionally because of chemical contamination by POE lubricant oil used in the heat exchanger refrigerant. While this is rare, when a leak does occur it can lead to immediate failure of the piping system.

In order to avoid condensate pipe leakage in HVAC systems utilizing R-410A refrigerant or any refrigerant that contains POE lubricating oil, PVC, CPVC & ABS piping cannot be used for condensate drainage piping.