

MIL2.1-770-6B Reverse Flow

No. 02/2023

Background

Cases of damage to the internal pleats of the FAUDI Aviation military qualified 2" coalescer model MIL2.1-770-6B were reported. Original cases were confined to refuelling equipment used to fuel Chinook helicopters. We have subsequently had similar reports when fuelling other helicopter types.

Investigation

While monitoring a fuelling operation it was determined that rate of flow shutdown introduced a transient pressure in the reverse flow direction. Due to the tight pleated filter block inside the 2" diameter coalescer, the result is that the transient surge dislodges the pleated section, causing damage to the pleats.

Action

We introduced a patented solution incorporating an internal wire spiral which prevents the movement of the pleats during limited backflow events. The solution has been tried and tested at locations where damaged pleats had been observed and we determined that the inner spiral overcomes this issues with these unique military operations.

As of immediate effect, all FAUDI Aviation 2" coalescer model MIL2.1-770-6B (Ident no. 3013965) supplied, include the inner wire spiral.

We recommend users check for damage of the inner pleats and where damage is observed, replace the elements with the current manufacture which includes the inner spiral support.

