

## EI 1581 5th Edition

1. Category "C" coalescer separators are for use in commercial Jet-A or Jet-A1 fuel. They are tested in fuel containing Stadis 450 and DCI-4A.
2. Category "M" coalescer separators are for use in military JP-8 or JP-5 fuel. They are tested in fuel containing Stadis 450, DCI-4A and Di-EGME (FSII)
3. Category "M100" coalescer separators are for use in military JP-8+100 fuel. They are tested in fuel containing Stadis 450, DCI-4A, Di-EGME (FSII) and Spec Aid 8Q462.
4. Type "S" coalescer separators are used at filtration points where significant levels of both dirt and water can be expected.
5. Type "S-LW" coalescer separators are used at filtration points where minimal levels of water can be expected. (Note: testing to Type "S" qualifies for Type "S-LW" as well)
6. Multi-Stage Systems can be used at all filtration points in addition to coalescer separators where additional performance is desired. Multi-Stage devices can include upstream pre-filters and down stream water absorbing filters.
7. The EI specification procedures qualify the entire coalescer separator, not just the elements. Strictly speaking there is no such thing as an EI qualified element. There are only elements that are used in EI qualified vessels.
8. A coalescer separator of similar geometry to the tested vessel can be qualified by similarity providing that a strict set of criteria are met. This is particularly significant in establishing EI qualification for existing equipment in the field. EI Specification 1582 details the similarity specifications that have to be met in order for a coalescer separator to be qualified by similarity.
9. In order for a coalescer separator to be accepted as meeting the EI Specification, it must be tested to the specification with an official witness designated by the EI committee present. This witness ensures that all procedures are followed per specification and that all test results meet the specification requirements.

