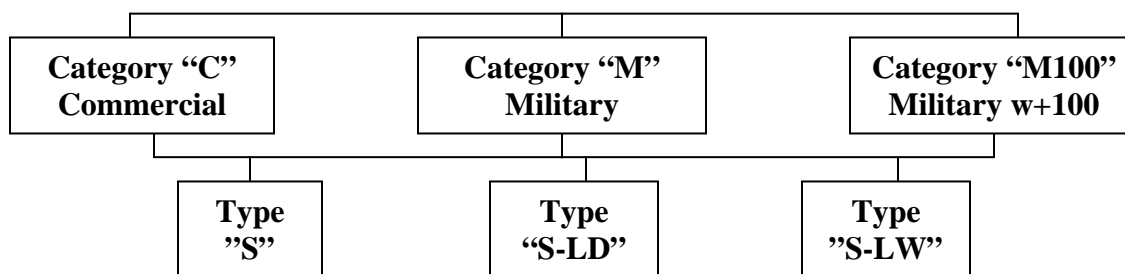


Key Points Summary of API 1581 5th Edition

1. **Category “C”** filter/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”** filter/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). (*Note: testing to Category “M” also qualifies for Category “C”*)
3. **Category “M100”** filter/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. (*Note: testing to Category “M100” does not qualify for Category “M”*)
4. **Type “S”** filter/separators are used at filtration points where significant levels of both dirt and water can be expected. (*Note: testing to Type “S” qualifies for both, Type “S-LD” and Type “S-LW”*)
5. **Type “S-LD”** filter/separators are used at filtration points where significant levels of water but minimal amounts of dirt can be expected.
6. **Type “S-LW”** filter/separators are used for mobile equipment where minimal amounts of water can be expected.

API/IP SPEC 1581



6. Multi-Stage Systems can be used at all filtration points in addition to filter/separators where additional performance is desired. Multi-stage devices can include upstream pre-filters and downstream water absorbing filters.
7. The API specification procedures qualify the entire filter/separator, not just the elements. Strictly speaking there is no such thing as an API qualified element. There are only elements that are used in API qualified vessels.
8. A filter/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 API qualification for existing equipment in the field. API/IP Specification 1582 details the similarity specifications that have to be met in order for a filter/separator to be qualified by similarity.
9. In order for a filter/separator to be accepted as meeting the API specification, it must be tested to the specification with an official witness designated by the API committee present. This witness ensures that all procedures are followed per specification and that all test results meet the specification requirements. An official test report is then issued by the API.