



### Standards for Industrial Liquids and Water Filter Tests



- ❖ Bubble point and fabrication conformity
  - NF X 45-301
  - ISO 2942
- ❖ Air permeability
  - NF X 45-311
- ❖ Absolute filtration rating
  - NF X 45-304
- ❖ Filtration efficiency and retention capacity
  - EN 13443-2 §7.1 §7.2
- ❖ Deterring the performance of a filter cartridge using water and siliceous particles
  - ASTM F 1170-88
- ❖ Fluid compatibility
  - NF X 45-307
- ❖ Flow or pressure variation fatigue
  - EN 13443-2 §7.5
- ❖ Resistance to high change in pressure and high temperature
  - NF X 45-308
- ❖ Resistance to high change in pressure
  - EN 13443-2 §7.4
- ❖ Retention test
  - ASTM D3862
  - ASTM D3863
- ❖ Gas diffusion test
- ❖ Pressure hold test
- ❖ Differential pressure vs. flow rate
  - EN 13443-2 §7.3
  - NF X 45-302



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