CLAIM(S):

1. An aircraft fuel ice capturing filter device housing comprising:

(a) an aircraft fuel inlet;

(b) an aircraft fuel outlet; and

(c) a main housing body receiving a flow of aircraft fuel from the aircraft fuel inlet, the main housing body comprising a cylindrical element having a central cavity, an inner surface, an outer surface, and a vertical axis; the cylindrical element having a plurality of spaced-apart ice filters on the inner surface, each of the plurality of spaced-apart ice filters having a front end, a rear end, a top wall, a first side, and a second side, and a plurality of apertures passing through the top wall, wherein the top wall at the front end of each of the plurality of spaced-apart ice filters is raised a distance from the inner surface, forming an opening arranged normal to aircraft fuel flow;

wherein the aircraft fuel inlet is arranged generally perpendicular to the vertical axis of the cylindrical element and is configured to provide tangential aircraft fuel flow around the cylindrical element; and,

wherein the cylindrical element is configured to receive an aircraft fuel filter comprising a porous element.

2. An aircraft fuel ice capturing filter device comprising:

the aircraft fuel ice capturing filter device housing of claim 1; and,

an aircraft fuel filter comprising a porous aircraft fuel filter element arranged in the aircraft fuel ice capturing filter device housing.

3. A method of filtering aircraft fuel, the method comprising passing aircraft fuel through the aircraft fuel ice capturing filter device of claim 2.

4. The method of claim 3, wherein the aircraft fuel includes ice, and the method includes capturing ice in the plurality of spaced-apart ice-capturing filters and allowing a portion of aircraft fuel to pass through the spaced-apart ice-capturing filters.

5. The method of claim 3 or 4 ~~or 5~~, further comprising further includes passing melted ice through the aircraft fuel outlet of the aircraft fuel ice capturing filter device housing.