

The invention claimed is:

1. A method of fluid flow control for use in an oilfield tubular positioned in a wellbore extending through a subterranean formation, the oilfield tubular for flowing fluid therethrough, the fluid having a characteristic which changes over time, the method comprising:

flowing fluid through a first and second passageways positioned in a housing, the flow defining a flow ratio;

flowing fluid through an outlet positioned in the housing;

varying resistance to fluid flow through at least one of the first and second passageways, the resistance variation dependent on change in the fluid characteristic;

changing the flow ratio in response to varying the resistance through at least one of the first and second passageways;

moving a valve element positioned in the housing in response to changing the flow ratio, wherein the valve element has a first flow sensor arm positioned adjacent the first passageway, a second flow sensor arm positioned adjacent the second passageway, and a fluid restrictor arm adjacent the outlet;

moving the fluid restrictor arm adjacent the outlet in response to movement of the valve element; and

restricting fluid flow through the outlet in response to moving the valve element.

2. The method as in claim 1 wherein the fluid characteristic is one of viscosity, density, or flow rate.

3. The method as in claim 1 wherein the valve element pivots.

4. The method as in claim 1, further comprising the step of completely restricting fluid flow through the outlet in response to movement of the fluid restrictor adjacent the outlet.

5. The method as in claim 1 further comprising rotating the valve element.