

ABSTRACT

A Method of Operating A Valve and A System for Wellbore Operations

A system adapted for use in connection with wellbore operations, comprising: an outer housing (18b); a mandrel (18d) enclosed by the outer housing and movable longitudinally
5 within said outer housing; a piston (18e) on said mandrel and a metering orifice (18e1) longitudinally disposed through said piston; said mandrel and said housing defining a first chamber (18f) on one side of the piston and a second chamber (18g) on another side of the piston; and a valve manifold (26) and a flowline (17) interconnecting said valve manifold to said first chamber. A method of operating a valve is also provided, to change a state of
10 the valve in response to movement of the mandrel.

This Sheet Has Been Replaced

