

ABSTRACT OF THE DISCLOSURE

A gate valve bonnet assembly is disclosed which includes a built-in speed reducer. The bonnet assembly includes a bonnet housing which is attached to a body of the gate valve with the bonnet housing having a central bore therethrough and a chamber along the central bore. A valve stem is movably positioned with the central bore and coupled to the valve gate and to the valve actuator. A piston is slidably received on the valve stem and is positioned within the chamber, the piston including at least one damping hole therethrough. A flange is attached to the valve stem to abut against the piston to move the piston when the valve stem is moved between the closed position and the open position. Additionally, a spring is provided for independently moving the piston to the original position when the valve stem is moved between the open position and the closed position.

This Sheet Has Been Replaced

