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(54) Title: SAFETY EXCESS FLOW VALVE SYSTEM WITH ADJUSTABLE CLOSING FLOW RATE SETTINGS (57) Abstract The present invention relates to an excess flow valve system having a sliding poppet (11) within a chamber with an orifice at one end, wherein the closing flow rate settings can be adjusted. Precise adjustments can be made externally by turning a threaded member extending through the valve, which causes a retainer (37), threadably located on the member, to move laterally within the chamber. This movement causes an angled surface on the retainer to engage and slide in relation to a similarly angled surface on the poppet. As the poppet is urged toward the retainer by a coiled spring (25), the poppet is moved longitudinally within the chamber, either toward or away from the orifice. Turning the threaded member enables the maximum travel distance of the poppet, and therefore, the threshold flow rate of the valve, to be precisely set. Additional means for broadening the range of settings, without replacing the spring or changing the orifice size, can also be provided, such as spacers to change the spring tension and multiple phase settings on the valve housing.		

