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A flow control valve is used to regulate or monitor the flow of a liquid through a system. Usually that system is industrial or has an industrial purpose. They can also be used to measure the amount of fluid running through a system. They do this in many ways and

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Fluid Power, Inc. make use of several other mechanisms that tell the valves when to open and close.

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In this sense, the pressure
regulator is slightly different from
an in-line flow control valve which
is a simple needle valve opened to

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a particular percentage, restricting flow rate. If more fluid is demanded, it cannot be accomplished without somehow increasing the system pressure. So the regulator pressure and flow are controlled by the automatic feedback from the outlet, whereas

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the flow control valve is limited to
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Main Control Valve body; C100 /
C150 - Pressure Reducing Valve;
C200 - Altitude valve; C300 -
Backpressure Sustaining Valve;
C400 - Pressure Relief Valve;
C500 - Surge

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Shifting a _____ control valve creates a new fluid flow path in the system, which controls actuator

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movement. directional. The basic pressure control valve in a hydraulic system is a _____ valve that does not _____ until a desired system operating pressure is reached. closed, open. The maximum pressure in a basic pneumatic system is set by a ...

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Globe valves can be fitted with balanced or unbalanced plug designs. Balanced ports allow for equal process pressure above and below the plug, and typical flow

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direction is down through the seat ring. An unbalanced plug is solid, with no through holes, and typical flow direction is up through the seat ring.

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