Control valve supplier in Egypt

| African Valve is the leading [Control valve supplier in Egypt](https://www.africanvalve.com/product-category/control-valve/). A control valve is used to control fluid inflow by varying the size of the inflow passage as directed by a signal from a regulator. The control Valve enables the direct control of inflow rate and the consequential control of process amounts similar as Pressure, temperature and liquid position. It's a device that regulates the inflow of fluids, similar as water, oil painting, brume, or gas, by changing the size of the inflow passage. It's a power- operated used to regulate or manipulate the inflow of fluids, similar as gas, oil painting, water, and brume. |
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| Working |
| • The control valve work by conforming the pressure or inflow on either side of a valve using an selector or other device in order to OK - tune a system so that it operates further reliably and with lesser perfection |
| • It regulates the inflow of fluids, feasts, or brume for a variety of operations. It's used for control faucets range from controlling the temperature and pressure in a heating system to regulating the inflow of chemicals in a manufacturing process. |
| • The purpose of this faucets is to regulate the inflow of fluid through a pipe. The position of the valve draw determines the quantum of fluid allowed to pass through the valve. |
| • When the control valve receives the control signal, the positioner adjusts the position of the valve draw. This positioning either increases or decreases the inflow of fluid through the valve. |
| • If the signal calls for an increase in inflow, the positioner moves the valve plug up, which opens the valve and allows further fluid to pass through. However, the positioner moves the valve plug down, confining the inflow of fluid through the valve, If the signal calls for a drop in inflow. |
| • Control valve body is a strong shell with several anchorages and channels that allow fluids to flow through the valve and into the pipe. The control valve draw is the part that moves within the valve body and is designed to fit snugly within the valve body to help leaks. |
| • It frequently works in confluence with other process control bias like detectors and regulators to regulate the inflow of fluid in a system. The detectors measure the inflow rate of the fluid, and the regulator sends a control signal to the positioner, which adjusts the position of the valve draw to achieve the asked inflow rate. |
| Advantage |
| • The control valve positioners can give more accurate control. |
| • it can reduce water destruction by over to 85, which can help meet the adding demand for water |
| • It also helps to manage pressure and inflow in a force network, which can reduce water loss, the threat of pipe bursts, and energy consumption. |
| • The control valve positioners can give faster control. |
| • The control valve positioners can give further flexible configurations and functions. |
| • It do not obstruct the inflow of fluid. |
| • It positioners can give more accurate control. |
| diligence |
| • It's used in chemical shops to regulate chemical inflow from vessels to channels. |
| • The control valve is used in oil painting and gas diligence to control the inflow of liquid or gas in oil painting and gas product. For illustration, high pressure control faucets are used for liquid dump faucets on partitions or treaters, and gas reverse pressure on product vessels |
| • These are used in energy and power diligence. |
| • The control valve is used in water and wastewater treatment diligence. |
| • These faucets are primarily used to regulate the inflow, pressure, temperature, and other critical parameters of fluids within artificial systems |
| • Control valve is also used in Steam services |
| • Control valve is used in Zero fugitive emigrations conditions |
| Features |
| • It should have a direct installed inflow characteristic, which is the relationship between the regulator affair and inflow in the system |
| • In control valve for on- off service, the selector's necklace affair should be slightly advanced than the valve seating and dethroning necklace |
| • It can be slow to open and close and have limited delicacy. |
| • These faucets can be integrated with hydraulic and curvaceous control faucets to produce a comprehensive fluid operation system. |
| • In control valve there are two control conduct for an air- operated valve" Air or current to open" and" Air or current to close" |
| • Cavitation is a serious problem that can affect a control valve performance. The pressure recovery factor of it indicates its tendency to beget cavitation.. |
| Parts: |
| Valve body |
| Actuator |
| Valve positioner |
| Diaphragm |
| Bonnet |
| Packing |
| Seat |
| Cage |
| Yoke |
| Trim |
| Guide bushing |
| Diaphragm |
| Handwheel |
| I/p transducers |
| Application: |
| African valve is the greatest [control valve supplier in Egypt](https://www.africanvalve.com/product-category/control-valve/). Control valve used in hydraulic systems to control the actuator force. Control valve supplier in Egypt. Control valve used in hydraulic systems to control the actuator force. |
| These valves with a globe-shaped body, movable plug, and seat that allows for precise flow control. Globe valves are often used in industrial processes |
| A control valve is used in hydraulic systems to control the actuator force. |
| A mechanical device that uses external power to open or close the valve. There are several types of actuators, including pneumatic, electric, hydraulic, and self-operated. |
| The outer casing of the control valve. |
| It is used in Bonnet a cover that attaches to the top of the valve body. |
| It is used in Trim internal components that regulate fluid flow. |
| It is used in Directional control valve, a valve used in the agricultural, industrial, and mobile industries to provide precise fluid control. |
| Types: |
| Three way control valve |
| Cage type control valve |
| Double seat control valve |
| Type shutoff control valve |
| Single Seat control valve |
| Water Control valve |
| Globe Control valve |
| Angle type control valve |
| Difference between control and isolation |
| The main difference between a control valve and an isolation valve is that a control valve regulates the flow of fluids, while an isolation valve stops the flow of fluids: |
| Control valve |
| A power-operated valve regulates the flow of fluids like oil, gas, water, and steam. Control valves are a critical part of a control loop and are used to control the flow rate and process quantities like pressure, temperature, and liquid level. |
| Isolation valve |
| A isolation valve stops the flow of fluids in a pipeline, usually for maintenance or safety purposes. Isolation valves can also be used to connect external equipment to a system or to provide flow logic. They are intended to be used in either the closed or fully open position. |
| Description |
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| Available Materials: Ductile Iron Control Valve, Cast iron Control Valve(WCB, WCC, WC6) LCC, LCB, Stainless Steel (SS316, SS304), Super Duplex (F51, F53, F55) |
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| Class: 150 to 2500 |
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| Nominal Pressure: PN10 to PN450 |
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| Medium: Air, Water, Chemical, Steam, Oil |
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| Operations: Electric actuated and Pneumatic actuated |
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| Size: 1/2”- 24” |
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| Ends: Flanged, butt weld, socket weld, threaded |
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| Visit us:<https://www.africanvalve.com/product-category/control-valve/>  42, Local Airport road Ikeja, 300001, Lagos, Nigeria |