



DirectoValve® 430 Series 2-Way Manifold

The 430 series 2-way shutoff manifold offers the proven reliability of a ball valve in a very compact design. The 430 provides simple, dependable on/off control and can be configured to suit the needs of a wide variety of sprayers.

Features:

- ¼-turn ball valve design for positive shutoff.
- 0.6 second shutoff time fully open to fully closed.
- Less than 0.5 amp steady state current draw at 12 VDC.
- Motor assembly features built-in mini-DIN electrical connector and is IP67 rated.
- Motor available in EC (single pole, single throw) or E (double pole, double throw) configurations for use with a variety of controls.
- All metal gear train with stainless steel ball and stem provide excellent wear life.
- Large Quick Connect inlet can be configured in a variety of ways—see page 116 for options.
- Quick Connect outlet fitting for rapid attachment and removal of boom lines—see page 116 for options.
- Maximum pressure rating of 215 PSI (15 bar).
- The flow rate is 11.7 GPM (44 l/min) at a 5 PSI (0.34bar) pressure drop, 16.5 GPM (63 l/min) at a 10 PSI (0.69 bar) drop.
- Wetted parts are polypropylene, stainless steel, Viton® and PTFE.
- Integral mounting brackets allow for easy installation.
- Also available in 3-way and Flow Back versions.



430 2-Way Single Valve



435 2-Way Manifold

DirectoValve® 430 Series 3-Way Manifold



The 430 series 3-way shutoff manifold features a 3-way, metered bypass ball valve design. The 3-way configuration, commonly used with positive displacement pumps, allows a constant system pressure to be maintained regardless of the valve being in the on or off position.

Features:

- ¼-turn ball valve design for positive shutoff.
- 0.6 second shutoff time fully open to fully closed.
- User configurable bypass settings with markings on dial for quick and easy adjustment.
- Less than 0.5 amp steady state current draw at 12 VDC.
- Motor assembly features built-in mini-DIN electrical connector and is IP67 rated.
- Motor available in EC (single pole, single throw) or E (double pole, double throw) configurations for use with a variety of controls.
- All metal gear train with stainless steel ball and stem provide excellent wear life.
- Large Quick Connect inlet can be configured in a variety of ways—see page 116 for options.
- Quick Connect fittings used on outlets and 3-way return line allow for rapid attachment and removal of boom lines—see page 116 for options.
- Maximum pressure rating of 215 PSI (15 bar).
- The flow rate is 11.7 GPM (44 l/min) at a 5 PSI (0.34bar) pressure drop, 16.5 GPM (63 l/min) at a 10 PSI (0.69 bar) drop.
- Wetted parts are polypropylene, stainless steel, Viton® and PTFE.
- Integral mounting brackets allow for easy installation.
- Also available in 2-way and Flow Back versions.



430 3-Way Single Valve



435 3-Way Manifold



DirectoValve® 430 Series Flow Back Manifold

The 430 series Flow Back manifold utilizes a unique ball design that relieves trapped pressure in the boom. This provides instant shutoff at nozzles and eliminates application problems resulting from nozzles continuing to spray after the boom section has been switched off. Flow back technology is the perfect complement to automatic boom section control and growers can often realize significant chemical savings.

Features:

- ¼-turn ball valve design for positive shutoff.
- 0.6 second shutoff time fully open to fully closed.
- Liquid from flow back line must be returned, unrestricted, to top of tank.
- Less than 0.5 amp steady state current draw at 12 VDC.
- Motor assembly features built-in mini-DIN electrical connector and is IP67 rated.
- Motor available in EC (single pole, single throw) or E (double pole, double throw) configurations for use with a variety of controls.
- All metal gear train with stainless steel ball and stem provide excellent wear life.
- Large Quick Connect inlet can be configured in a variety of ways—see page 116 for options.
- Quick Connect fittings used on outlet and flow back port for rapid attachment and removal of boom lines—see page 116 for options.
- Maximum pressure rating of 215 PSI (15 bar).
- The flow rate is 9.2 GPM (35 l/min) at a 5 PSI (0.34 bar) pressure drop, 13.7 GPM (53 l/min) at a 10 PSI (0.69 bar) pressure drop.
- Wetted parts are polypropylene, stainless steel, Viton® and PTFE.
- Integral mounting brackets allow for easy installation
- Also available in 2-way and 3-way versions.



430 Flow Back Single Valve

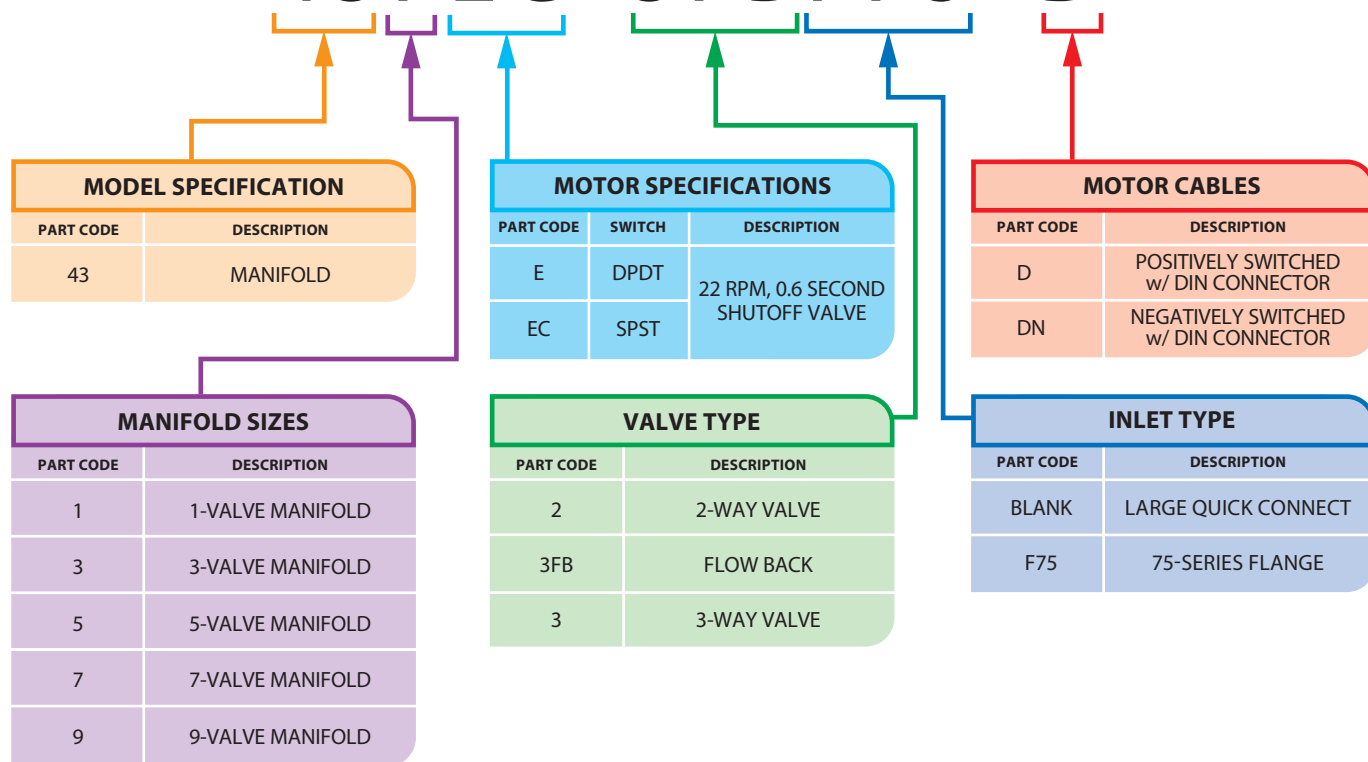


435 Flow Back Manifold



Sample Valve Part Number:

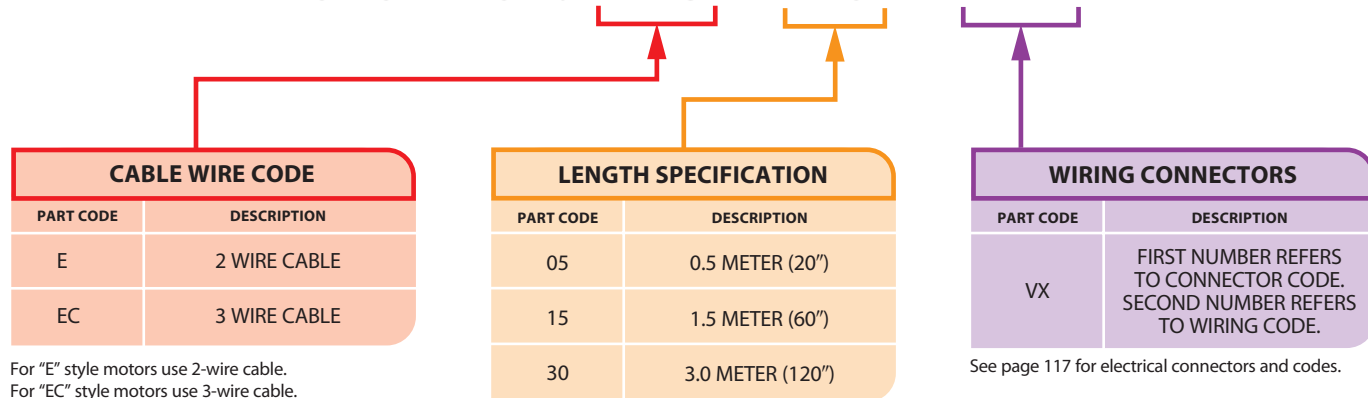
437EC-3FBF75-D



Other manifold sizes are available.

Mini-DIN Cable Assembly Part Code Example:

58480EC-15-VX



For "E" style motors use 2-wire cable.
For "EC" style motors use 3-wire cable.

See page 117 for electrical connectors and codes.