



346BEC shutoff ball valves are available with E or EC series motors with cable or DIN electrical connections. See page 66 for more information on DirectoValve motors.

### Features:

- 25 RPM, 0.6 second shutoff fully open to close.
- Available in 2-way or 3-way versions. 2-way valves allow complete shutoff while the 3-way valves divert flow to a bypass line when boom controls are shut off.
- The flow rate for the 346BEC 2-way valve is 100 GPM (379 l/min) with 5 PSI (0.34 bar) pressure drop, 141 GPM (534 l/min) with 10 PSI (0.69 bar) pressure drop.
- The flow rate for the 346BEC 3-way valve is 64 GPM (242 l/min) with a 5 PSI (0.34 bar) pressure drop, 91 GPM (344 l/min) with 10 PSI (0.69 bar) pressure drop.
- Polypropylene ball with stainless steel stem.
- Maximum pressure rating of 150 PSI (10 bar).
- Available with 1¼", 1½" NPT or BSPT (F) threads or 50 series flange fittings.
- Wetted parts made of corrosion-resistant materials, glass-reinforced polypropylene, Teflon®, stainless steel and Viton®.

(front view)



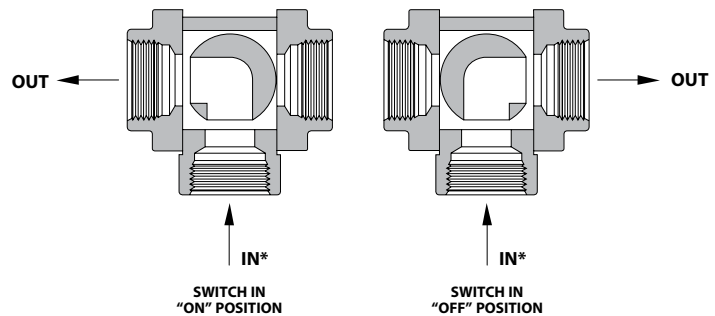
**346BEC-25-C Valve**  
(rear view)

(front view)



**346BEC-35-C Valve**  
(rear view)

**FLOW PATH FOR 346B  
3-WAY SHUTOFF BALL VALVES  
(AS VIEWED FROM TOP)**



\*NOTE: MUST USE SIDE PORT AS INLET.



Sample Valve Part Number:

(B)346BEC-25S-CN15AB

| OUTLET THREADS |                                      |
|----------------|--------------------------------------|
| PART CODE      | DESCRIPTION                          |
| BLANK          | ALL THREADS TO BE NPT (IF EQUIPPED)  |
| (B)            | ALL THREADS TO BE BSPT (IF EQUIPPED) |

| MODEL SPECIFICATION |             |
|---------------------|-------------|
| PART CODE           | DESCRIPTION |
| 346B                | BALL VALVE  |

| MOTOR SPECIFICATIONS |        |                                  |
|----------------------|--------|----------------------------------|
| PART CODE            | SWITCH | DESCRIPTION                      |
| E                    | DPDT   | 25 RPM, 0.6 SECOND SHUTOFF VALVE |
| EC                   | SPST   |                                  |

See page 66 for more information on E and EC motors.

| VALVE TYPES |             |
|-------------|-------------|
| PART CODE   | DESCRIPTION |
| 2           | 2-WAY VALVE |
| 3           | 3-WAY VALVE |

| END CAPS OR OUTLET FITTINGS |                  |
|-----------------------------|------------------|
| PART CODE                   | DESCRIPTION      |
| 5                           | 1¼" PIPE THREAD  |
| 6                           | 1½" PIPE THREAD  |
| F                           | 50 SERIES FLANGE |
| F75                         | 75 SERIES FLANGE |



See pages 102–103 for flange fittings.

| WIRING CONNECTORS  |
|--|
| SPECIFIC ELECTRICAL CONNECTOR STYLE AND PIN-OUTS. IF NO CONNECTOR IS NEEDED LEAVE BLANK. |
| See page 105 for electrical connectors and codes.  |

| MOTOR CABLES |  |
|--------------|--|
| PART CODE    | DESCRIPTION                            |
| C            | POSITIVELY SWITCHED w/ 0.5-METER CABLE |
| CN           | NEGATIVELY SWITCHED w/ 0.5-METER CABLE |
| * C03        | POSITIVELY SWITCHED w/ 0.3-METER CABLE |
| * CN03       | NEGATIVELY SWITCHED w/ 0.3-METER CABLE |
| * C15        | POSITIVELY SWITCHED w/ 1.5-METER CABLE |
| * CN15       | NEGATIVELY SWITCHED w/ 1.5-METER CABLE |
| * C60        | POSITIVELY SWITCHED w/ 6.0-METER CABLE |
| * CN60       | NEGATIVELY SWITCHED w/ 6.0-METER CABLE |
| D            | POSITIVELY SWITCHED w/ DIN CONNECTOR   |
| DN           | NEGATIVELY SWITCHED w/ DIN CONNECTOR   |

Items marked with "\*" are non-stock items. Please contact your regional sales office for ordering and availability information.

Note: DIN cables must be ordered separately. See page 66 for DIN cables.

**INLET/OUTLET REQUIRED CONNECTIONS**  
THE INLET/OUTLET FITTINGS ARE ORDERED SEPARATELY

- 5, 6: When ordering 1¼" (5) or 1½" (6) threaded NPT or BSPT inlet/outlet type valve connections, the valve will be completed during the ordering process.
- F: When ordering F or F75 (flange) type valve connections, the inlet/outlet fittings are ordered separately. Two clamps and flange fittings are required for 2-way valves and three each for 3-way valves. See pages 102–103 for flange fitting options.

Note: Many valve configurations are possible by mixing and matching flange fittings.

| BALL MATERIAL SPECIFICATIONS |   |
|------------------------------|---|
| PART CODE                    | DESCRIPTION                             |
| BLANK                        | POLYPROPYLENE BALL                      |
| S                            | STAINLESS STEEL BALL (2-WAY VALVE ONLY) |

| REPAIR KIT |
|------------|
| AB346B-KIT |