



# Compact Motorized Ball Valve

## CW-MBV Series

**Automatic purging for maintenance-free operation. Simple. Reliable. Effective.**

Purging separated solids from a LAKOS Separator is important. Automating that function is intelligent. The LAKOS Compact Motorized Ball Valve makes it easy. Featuring integrated programming circuitry, this valve can be set to purge as often as every 15 minutes ... or as seldom as every 3-3/4 hours. Purge duration can be set anywhere from 24 to 90 seconds. Settings are fixed with a simple arrangement of switches, located within the actuator housing.

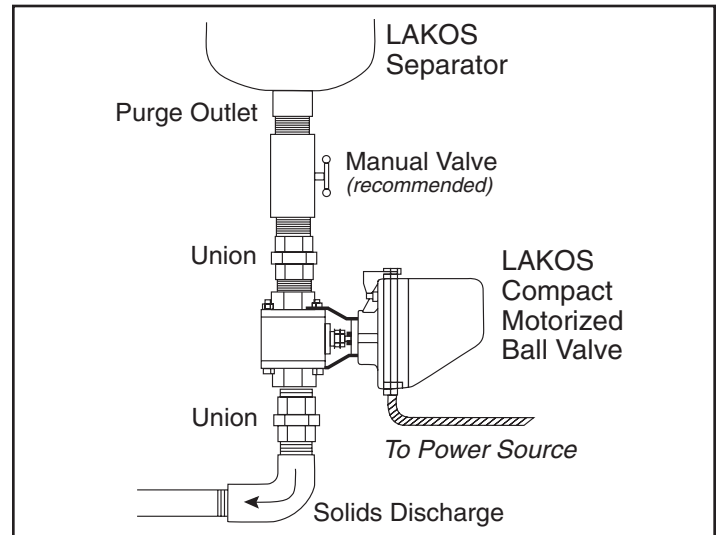
- Eliminates routine maintenance
- Minimizes water loss and concentrates solids for easy handling (consult factory for complete solids-handling systems)
- Straight-through ball valve; quick open-close actuator
- NEMA 4 watertight actuator housing, suitable for indoor/outdoor installation
- Solid-state circuitry

### General Specifications

- Maximum operating pressure: 150 psi (1055 kPa)
- Operating temperature range: 40-150°F (5-65°C)
- Standard valve body: Bronze; also available in stainless steel for added corrosion/abrasion resistance
- Cast-aluminum actuator housing
- Stainless steel ball with teflon seat
- Single phase induction motor; 115 VAC; 1.8 ampere (For 220 VAC installation, an external transformer is available, when specified, at an additional cost)

| Valve Model | Line Size<br>NPT, female | Valve Weight |    |
|-------------|--------------------------|--------------|----|
|             |                          | lbs.         | kg |
| CW-07-MBV   | 3/4 inch                 | 8            | 4  |
| CW-15-MBV   | 1-1/2 inch               | 15           | 7  |
| CW-20-MBV   | 2 inch                   | 16           | 7  |

SUGGESTED INSTALLATION



### Instructions for Programming Valve

Set internal switches (Nos. 1 through 8) for desired purging duration and frequency. "O" - Switch ON "X" - Switch OFF

#### PURGE DURATION

| sec. | Switch No. |   |   |   |
|------|------------|---|---|---|
|      | 1          | 2 | 3 | 4 |
| 24   | X          | X | O | X |
| 30   | O          | X | O | X |
| 36   | X          | O | O | X |
| 42   | O          | O | O | X |
| 48   | X          | X | X | O |
| 54   | O          | X | X | O |
| 60   | X          | O | X | O |
| 66   | O          | O | X | O |
| 72   | X          | X | O | O |
| 78   | O          | X | O | O |
| 84   | X          | O | O | O |
| 90   | O          | O | O | O |

"O" - Switch ON "X" - Switch OFF

#### PURGE FREQUENCY

| hr:min. | Switch No. |   |   |   |
|---------|------------|---|---|---|
|         | 5          | 6 | 7 | 8 |
| :15     | O          | X | X | X |
| :30     | X          | O | X | X |
| :45     | O          | O | X | X |
| 1:00    | X          | X | O | X |
| 1:15    | O          | X | O | X |
| 1:30    | X          | O | O | X |
| 1:45    | O          | O | O | X |
| 2:00    | X          | X | X | O |
| 2:15    | O          | X | X | O |
| 2:30    | X          | O | X | O |
| 2:45    | O          | O | X | O |
| 3:00    | X          | X | O | O |
| 3:15    | O          | X | O | O |
| 3:30    | X          | O | O | O |
| 3:45    | O          | O | O | O |

See reverse for additional specifications



