

## INSTALLATION AND STORAGE GUIDELINES

### SEAL-MATIC® Control Valves

- ◆ Always flush pipelines before installation of the valve as debris may plug and/or damage valve.
- ◆ Arrow on valve housing **must** match actual flow direction. If there is no arrow on valve, make sure **line filter** is **upstream** in pipeline.
- ◆ Seal-Matic® valves can be mounted either vertically or horizontally, but they must be mounted to allow the control chamber to be drained in freezing conditions.

#### TIGHTEN FLANGE BOLTS TO 30 FT LBS TORQUE

*Tighten bolts alternately 180° apart. Repeat 3 times in a star pattern.*

- ◆ If the valve is to be installed and operated in ambient temperatures below freezing, consult with your nearest **XCAD USA** distributor.
- ◆ If valve is shut down during cold or freezing weather, the valve control space and control system **must be drained**.
- ◆ Connect solenoid control and pressure switch to control circuit according to local electrical codes.

#### Optimal Flow Rate for Electric On/Off Valves - GPM

3/4" Seal-Matic® – 5 to 40	2" 90° Seal-Matic® – 25 to 175
1" Seal-Matic® – 5 to 70	3" Seal-Matic® – 100 to 500
1 1/4" Seal-Matic® – 15 to 120	4" Seal-Matic® – 200 to 800
1 1/2" Seal-Matic® – 18 to 135	6" Seal-Matic® – 400 to 1400
2" Seal-Matic® – 25 to 175	8" Seal-Matic® – 1000 to 3500

**Specifications:** Fixed Diaphragm Style.  
Mounts between all standard flanges.

**Max Pressure:** 125 psi

**Water Temp Range:** 33°F to 130°F

**Valve Length** (End to End) – (Flange to Flange)

3/4" and 1" – 5 1/8"	3" – 11 7/8"
1 1/4" and 1 1/2" – 6 1/2"	4" – 12 1/4"
2" – 7 3/4"	6" – 12 3/8"
	8" – 14"



SMV4WS  
Super Flow

For Reactive/Piloted Control Valves see page 64