



Buoy Vent Valve Type SV-10P

The Buoy Vent Valve SV-10P is designed to allow positive ventilation of the buoy battery pocket while prohibiting salt or fresh water from entering the vent line when the buoy is submerged and/or tilted more than 45 degrees.

Ventilation of the battery pocket is necessary to prevent the dangerous buildup of hydrogen gas associated with lead-acid storage batteries and to provide the flow of fresh air necessary for proper operation of air cells.

The valve consists of a main



body with an insert, two precision ground balls, a seal ring and a large retaining ring which secures the system parts in place.

When the buoy becomes submerged, the buoyant upper ball will float up against the seal ring and seal the vent.

When the buoy rolls over approximately 45 degrees, the heavy lower ball shifts along the molded angle of the insert and pushes the upper ball against the seal ring and seals the vent.

Optional:

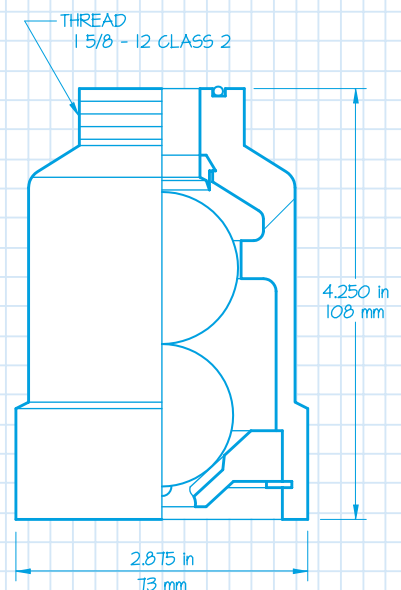
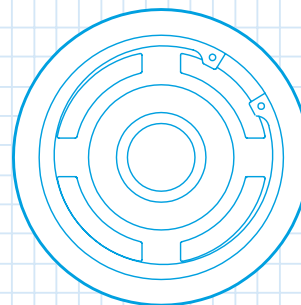
Adaptor-type 316 stainless steel or Schedule 80 PVC plastic couples the valve to 3/4 inch vent lines.

SV-1008 Repair Kit consists of 1 each:

“O” ring, Seal ring and Retaining Ring

SV-1009 Repair Kit consists of 1 each:

Upper Ball and Lower Ball

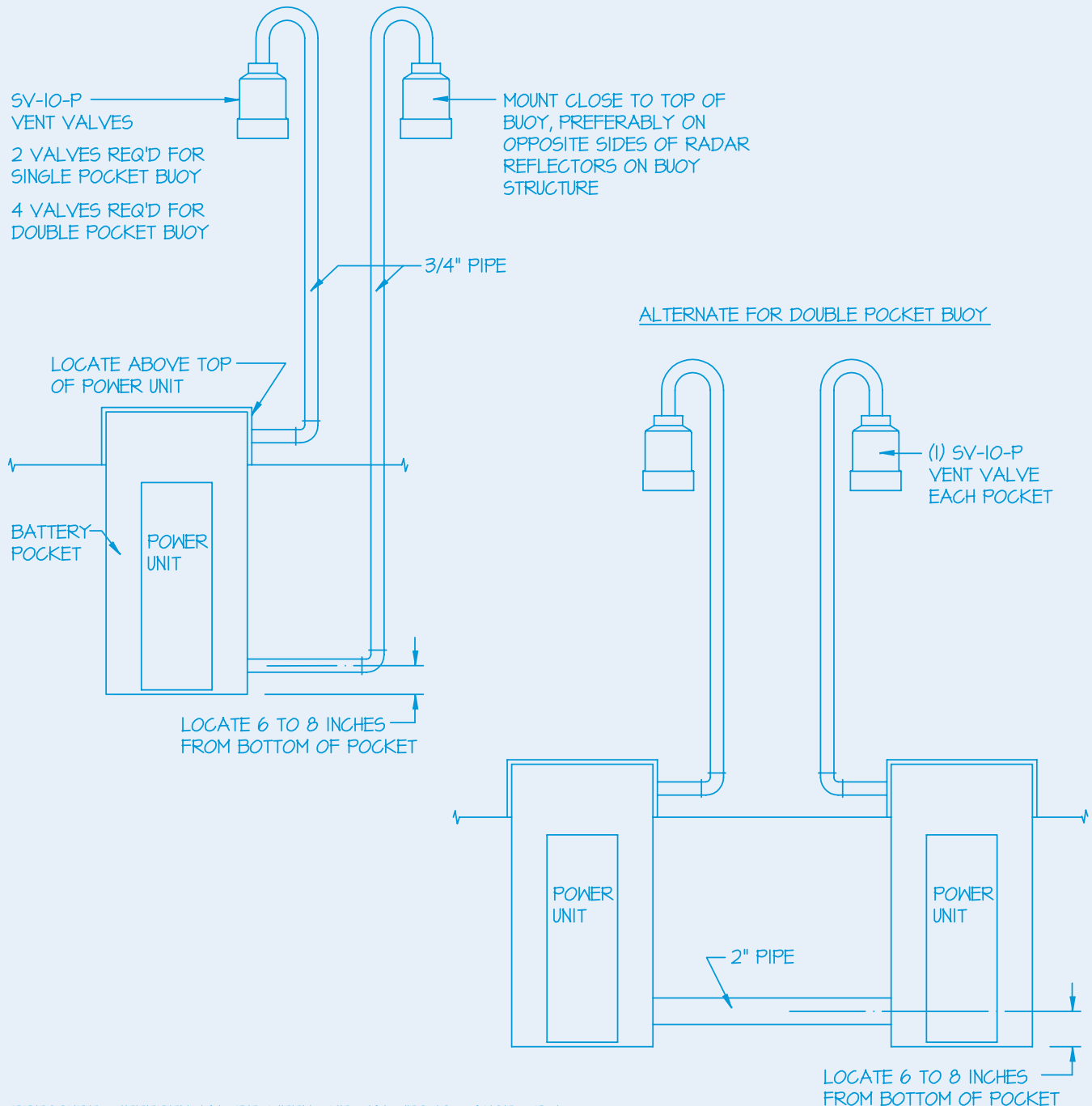


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Bouy Vent Valve Type SV-10P

TYPICAL INSTALLATION OF TYPE SV-10-P VENT VALVE
TO PERMIT EXCHANGE OF AIR IN BATTERY POCKET

FOR SINGLE POCKET BUOY
OR EACH POCKET OF DOUBLE POCKET BUOYS



PRESSURE DIFFERENTIAL BETWEEN THE VALVES IS CAUSED BY:

1. WIND
2. ROCKING MOTION OF THE BUOY
3. UP AND DOWN MOTION OF THE BUOY
4. TEMPERATURE DIFFERENTIAL WITHIN THE BATTERY POCKET

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