



## True Union Air Release Valves

3/4" PVC



### **Tank, Container and Vessel Protection**

Emptying or filling a closed tank requires that it be vented to allow the passage of air into or out of the tank in order to prevent damage to the tank. This is the function of Hayward's True Union Air Release Valve. It prevents overflow of the process fluid as a tank is being filled while allowing air to escape, minimizing the risk of the tank expanding as the result of compressing trapped air.

### **Automatic Operation**

The Hayward True Union Air Release Valve operates without the need for any adjustments or settings. As the liquid in the tank rises to the valve level, the ball floats against the elastomer seat, automatically preventing unwanted flow out of the tank. When the liquid level falls below that of the valve, gravity opens the valve to allow air into the tank, eliminating the risk of the tank collapsing from vacuum pressure. The valve will vent a tank with flows in excess of 150 gpm. This is the equivalent of a 3 inch fill line flowing at up to 10 feet per second. For tank installations that use a 4 inch or 6 inch fill line, two Air Release Valves can be used.

### **Easy Installation**

The Hayward True Union Air Release Valve is supplied with both threaded and socket end connections in order to accommodate most applications. A screen cover is also included.

### **True Union Design**

This permits easy removal from a piping system without breaking down piping connections. Just unscrew the assembly nut and lift the valve body out of the line. Maintenance couldn't be easier.

### **No Corrosion Failures**

Hayward True Union Air Release Valves will never fail, jam, stick or freeze in position because of rust or corrosion. And they will not contaminate sensitive fluids that come into contact with them.

### **Features**

- Closes at 0 PSI
- True Union Design
- FPM Seals
- Screen Standard

### **Options**

- EPDM Seals



## Technical Information

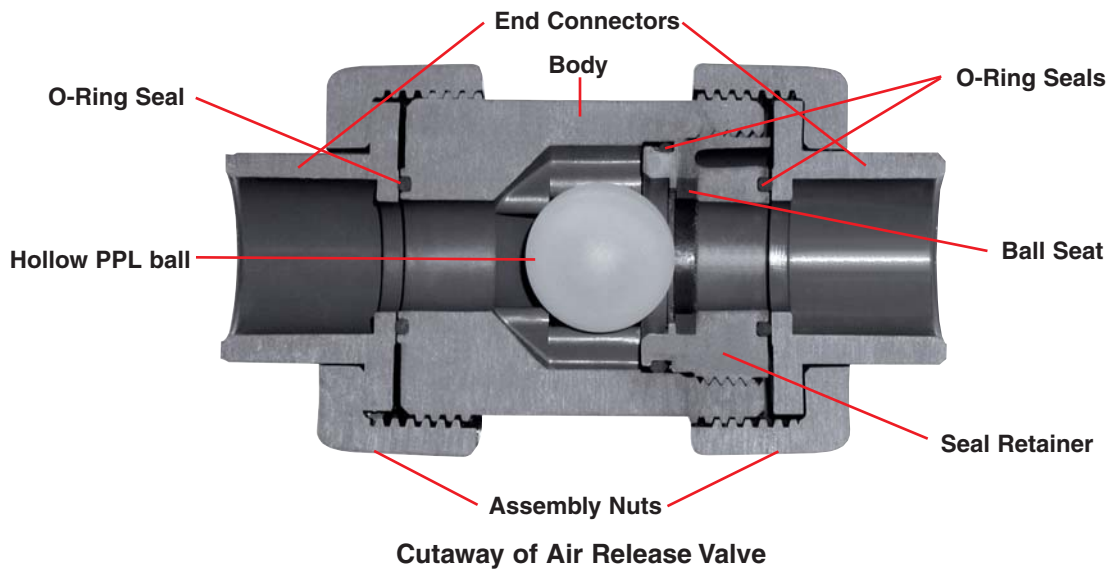
Screen installed

**Parts List**  
**True Union Air Release Valves**

1. Body
2. O-Ring Seals
3. Square Cut O-Ring Seat
4. Seal Retainer
5. End Connector
6. Union Nut

### Dimensions - Inches / Millimeters

Size	A	B	C	D	F	G	Weight - (lb / kg) Socket/ Threaded
3/4" / 25	4.75 / 121	0.75 / 19	2.63 / 67	1.0 / 25	5.00 / 127	2.60 / 66	0.75 / .34



### Selection Chart

Size	Material	End. Conn.	Seals	Pressure Rating
3/4"	PVC Body PPL Ball	Socket or Threaded	FPM	225 PSI @ 70°F Non-Shock

### Venting Specifications

One Air Release Valve will vent a tank with flows of up to 150 gpm (either in or out). For higher flow rates, use additional Air Release Valves.

### Operating Temperature/Pressure

