



**DESCRIPTION:**

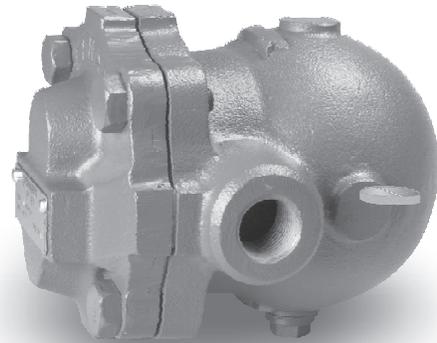
PT61 float and thermostatic (integral air vent) steam traps are designed for draining condensate from all types of low and medium pressure steam heating and process equipment.

Typical applications include unit heaters, heat exchangers, driers and jacketed vessels.

Available types :

PT61 - with Thermostatic Air Vent

PT61S - with Steam Lock Release (SLR)



**FEATURES:**

Modulating discharge.

Discharges condensate at steam temperature.

Excellent air venting (by thermostatic air vent).

**USE:** Saturated and superheated steam

**SIZES:** 1/2", 3/4"

**CONNECTIONS:** Screwed (NPT)

**LIMITING CONDITIONS:**

PMA: Max. allowable pressure	228 psig
TMA: Max. allowable temperature	428 °F
PMO: Max. operating pressure	200 psig
TMO: Max. operating temperature	400°F

**INSTALLATION:**

Standard horizontal installation with flow from right to left PT61.

UPON REQUEST:

- Horizontal installation with flow from left to right PT61 (L-R)
- Vertical installation with flow from top to bottom PT61(V).

Max. differential pressure range:

PT61-65 : 65 psi

PT61-145: 145 psi

PT61-200: 200 psi

The trap should be installed below the drain point of the equipment in a position so that the float arm is in a horizontal plane and the float rises and falls vertically, with the flow direction as indicated on the body.

The arrow on the nameplate should be pointing vertically upwards.

**TRAP DISCHARGE CAPACITY IN lbs/hr**

		DIFFERENTIAL PRESSURE (psi)																
MODEL	SIZE	7	15	21.5	28.5	42.5	57	65	70	85	100	115	128	145	157	170	185	200
PT61-65	1/2", 3/4"	440	616	705	770	880	1000	1090	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
PT61-145	1/2", 3/4"	297	330	365	396	462	530	560	615	660	770	860	890	925	-----	-----	-----	-----
PT61-200	1/2", 3/4"	275	308	330	363	418	485	506	540	595	650	715	770	825	890	946	1000	1060

Recommended safety factor: steady condns. 1.5 - 2; fluctuating condns. 2-3

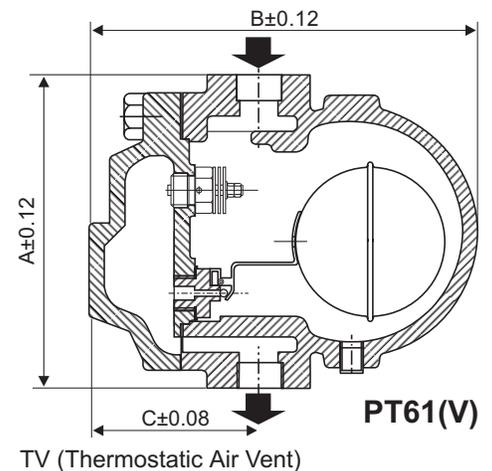
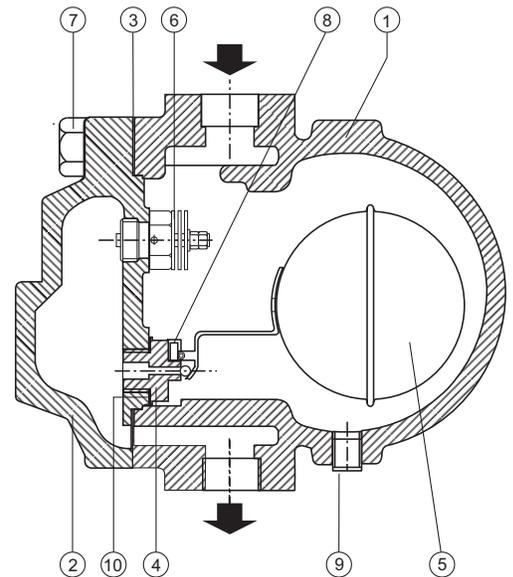
**MATERIAL:**

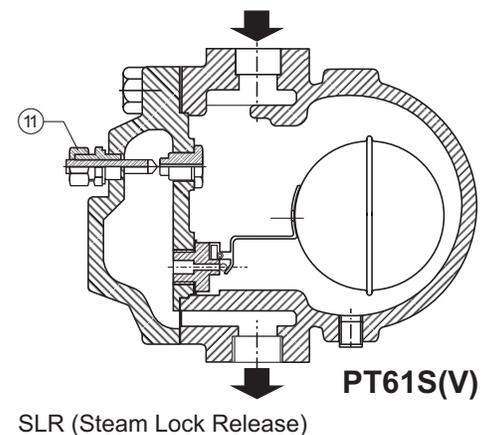
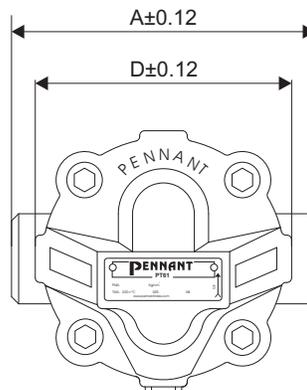
No.	PART	MATERIAL	QTY.(Nos.)
1.	BODY	CAST IRON	01
2.	COVER	CAST IRON	01
3.	GASKET	NON ASBESTOS	01
4.	VALVE SEAT	CR STEEL	01
5.	BALL FLOAT & LEVER ASSY.	SS	01
6.	AIR VENT ASSY.	BIMETAL / SS	01
7.	BOLT	HIGH TENSILE / ASTM A193 Gr.B7	04
8.	BRACKET ASSY.	AISI 304	01
9.	DRAIN PLUG	CS	01
10.	GASKET	COPPER	01
11.	SLR UNIT	AISI 304	01

OPTIONAL: SS Diaphragm Air Vent

**DIMENSIONS:** (approx) in inches

SIZE	A	B	C	D	Weight (lbs)
1/2" & 3/4"	5.12	5.75	2.45	4.33	7.25


**AVAILABLE SPARES:**

 Valve Seat, Ball Float & Lever Assy.,  
 Air Vent, Gaskets.


Local regulations may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only. In the interest of development and improvement of the product, we reserve the right to change the specifications without prior notice.