



Combination full port shut-off valve and drain valve used to connect an expansion tank to the system.

- Isolate the tank from the system
- No need to drain the system when:
 - Servicing or replacing the tank
 - Checking tank pressure
- Sizes available: 1/2" through 2" NPT and Sweat connections
- Can be used on Bell & Gossett "B" and "D" Expansion Tanks

TPV – Tank Purge Valve Water

FOR NON-POTABLE WATER

TPV – Tank Purge Valve

Operating Data

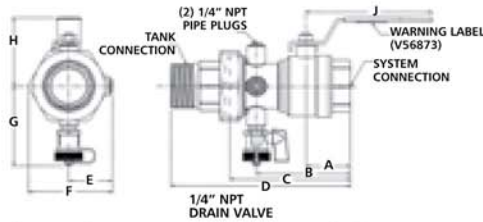
Maximum working pressure. 400 psig (2,758 kPa)

Maximum operating temperature -4° F (-20°C) to 250° F (121° C)

Materials of Construction

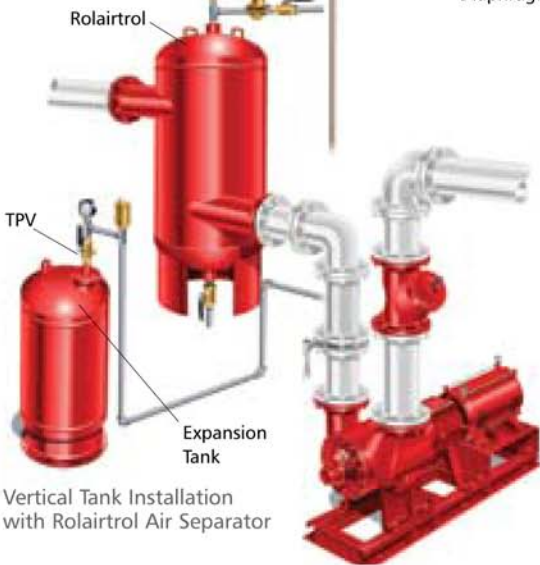
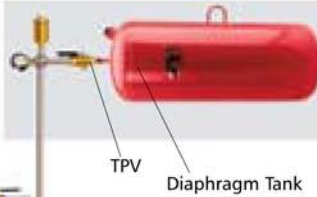
Valve Body. Brass
 Ball Chrome Plated
 Ball Seal. Teflon®*
 Stem Explosion Proof
 O-Rings EPDM

*Teflon is a registered trademark of E.I. du Pont de Nemours and Company



These valves are not recommended to be used on potable water tanks.

Horizontal Tank Installation with Rolairtrol Air Separator



Vertical Tank Installation with Rolairtrol Air Separator

Description

Combination full port shut-off valve and drain valve used to connect an expansion tank to the system. It is important that the pre-charge in an expansion tank be maintained at the proper pressure at all times. This pressure is the lowest system operating pressure. When the tank's pressure is adjusted, there should be no system liquid in it. This pre-charge should be checked and adjusted when:

- Tank is first installed
- If system is started or operating with the incorrect tank pre-charge
- Annually to assure proper pre-charge pressure at all times

The TPV (Tank Purge Valve) is ideal for this as the tank can be isolated from the system, drained and the pre-charge checked and adjusted without draining or shutting down the system.

The TPV also serves as a service valve should the tank need to be removed or have the bladder changed. These valves are furnished standard with a drain valve with a standard 5/8" hose connection.

Model Number	Part Number	System Connection	Tank Connection	Dimensions* Inch (mm)										Approx. Weight Lbs.
				A	B	C	D	E	F	G	H	J		
TPV-1/2SF	113226	1/2" Female SWT	1/2" Female NPT	1.67 (42.4)	2.25 (57.2)	3.15 (80.0)	3.82 (97.0)	0.84 (21.3)	1.60 (40.6)	2.36 (59.9)	1.75 (44.5)	3.34 (84.8)	1.0 (0.5)	
TPV-1/2FF	113227	1/2" Female NPT	1/2" Female NPT	1.19 (30.2)	2.00 (50.8)	2.90 (73.7)	3.55 (90.4)	0.84 (21.3)	1.60 (40.6)	2.36 (59.9)	1.75 (44.5)	3.34 (84.8)	1.0 (0.5)	
TPV-1/2SM	113228	1/2" Female SWT	1/2" Male NPT	1.29 (32.2)	2.25 (57.2)	3.15 (80.0)	4.73 (120.1)	0.84 (21.3)	1.60 (40.6)	2.36 (59.9)	1.75 (44.5)	3.34 (84.8)	1.0 (0.5)	
TPV-1/2FM	113229	1/2" Female NPT	1/2" Male NPT	1.06 (26.9)	2.00 (50.6)	2.90 (73.7)	4.47 (113.6)	0.84 (21.3)	1.60 (40.6)	2.36 (59.9)	1.75 (44.5)	3.34 (84.8)	1.0 (0.5)	
TPV-3/4SF	113230	3/4" Female SWT	3/4" Female NPT	1.67 (42.4)	2.85 (72.4)	3.72 (94.5)	4.53 (115.1)	1.06 (26.9)	1.95 (49.5)	2.66 (67.6)	1.89 (48.0)	3.50 (88.9)	1.24 (0.6)	
TPV-3/4FF	113231	3/4" Female NPT	3/4" Female NPT	1.19 (30.2)	2.50 (63.5)	3.26 (82.8)	4.06 (103.1)	1.06 (26.9)	1.95 (49.5)	2.66 (67.6)	1.69 (48.0)	3.50 (88.9)	1.24 (0.6)	
TPV-3/4SM	113232	3/4" Female SWT	3/4" Male NPT	1.67 (42.4)	2.85 (72.4)	3.72 (94.5)	5.50 (140.0)	1.06 (26.9)	1.95 (49.5)	2.66 (67.6)	1.69 (48.0)	3.50 (88.9)	1.25 (0.6)	
TPV-3/4FM	113233	3/4" Female NPT	3/4" Male NPT	1.19 (30.2)	2.50 (63.5)	3.26 (82.8)	5.03 (127.6)	1.06 (26.9)	1.95 (49.5)	2.66 (67.6)	1.69 (48.0)	3.50 (88.9)	1.25 (0.6)	
TPV-1SF	113234	1" Female SWT	1" Female NPT	1.95 (49.5)	3.18 (80.6)	4.14 (105.2)	5.05 (126.3)	1.23 (31.2)	2.06 (52.3)	2.71 (68.6)	2.00 (50.8)	4.00 (101.6)	1.71 (0.8)	
TPV-1FF	113235	1" Female NPT	1" Female NPT	1.46 (36.8)	2.63 (66.5)	3.60 (91.4)	4.50 (114.3)	1.23 (31.2)	2.06 (52.3)	2.71 (68.6)	2.00 (50.8)	4.00 (101.6)	1.71 (0.8)	
TPV-1SM	113236	1" Female SWT	1" Male NPT	1.95 (49.5)	3.18 (80.6)	4.14 (105.2)	6.16 (156.5)	1.23 (31.2)	2.06 (52.3)	2.71 (68.6)	2.00 (50.8)	4.00 (101.6)	1.75 (0.8)	
TPV-1FM	113237	1" Female NPT	1" Male NPT	1.45 (36.8)	2.53 (60.8)	3.60 (91.4)	5.60 (142.2)	1.23 (31.2)	2.06 (52.3)	2.71 (68.6)	2.00 (50.8)	4.00 (101.6)	1.75 (0.8)	
TPV-1 1/4SF	113238	1 1/4" Female SWT	1 1/4" Female NPT	2.13 (54.1)	3.94 (100.1)	5.14 (130.6)	6.10 (154.9)	1.34 (34.0)	2.71 (68.8)	2.96 (75.2)	2.45 (62.2)	4.50 (114.3)	3.15 (1.5)	
TPV-1 1/4FF	113239	1 1/4" Female NPT	1 1/4" Female NPT	1.55 (39.4)	3.37 (85.6)	4.56 (115.6)	5.50 (139.7)	1.34 (34.0)	2.71 (68.8)	2.96 (75.2)	2.45 (62.2)	4.50 (114.3)	3.15 (1.5)	
TPV-1 1/4SM	113240	1 1/4" Female SWT	1 1/4" Male NPT	2.13 (54.1)	3.94 (100.1)	5.14 (130.6)	7.11 (180.6)	1.34 (34.0)	2.71 (68.8)	2.96 (75.2)	2.45 (62.2)	4.50 (114.3)	3.19 (1.5)	
TPV-1 1/4FM	113241	1 1/4" Female NPT	1 1/4" Male NPT	1.55 (39.4)	3.37 (85.6)	4.55 (115.6)	6.52 (165.6)	1.34 (34.0)	2.71 (68.8)	2.96 (75.2)	2.45 (62.2)	4.50 (114.3)	3.19 (1.5)	
TPV-1 1/2SM	113242	1 1/2" Female SWT	1 1/2" Male NPT	2.54 (64.5)	4.66 (118.4)	5.90 (149.9)	8.32 (211.3)	1.85 (47.0)	3.25 (82.6)	3.38 (85.9)	3.00 (76.2)	5.30 (134.5)	5.50 (2.5)	
TPV-1 1/2FM	113243	1 1/2" Female NPT	1 1/2" Male NPT	1.91 (48.5)	3.97 (100.8)	5.12 (130.1)	7.64 (194.1)	1.85 (47.0)	3.25 (82.6)	3.38 (85.9)	3.00 (76.2)	5.30 (134.5)	5.50 (2.5)	
TPV-2SM	113244	2" Female SWT	2" Male NPT	2.89 (72.4)	4.57 (116.1)	6.80 (172.7)	9.80 (248.9)	2.00 (50.8)	4.00 (101.6)	3.52 (89.4)	3.33 (84.6)	6.12 (155.5)	8.00 (3.63)	
TPV-2FM	113245	2" Female NPT	2" Male NPT	2.06 (52.3)	4.65 (118.1)	5.85 (148.6)	8.87 (225.3)	2.00 (50.8)	4.00 (101.6)	3.52 (89.4)	3.33 (84.6)	6.12 (155.5)	8.00 (3.63)	

*All dimensions +/- 0.125 (3.2 mm) tolerance. Dimensions are subject to change. Not to be used for construction purposes unless certified.



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