

For Residential, Commercial and Industrial Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Series 3L, 53L

Poppet Type Pressure Relief Valves for Protection Against Excessive Pressure

Sizes: 3L: 3/4" (20mm) 53L: 1/2" (15mm)

Series 3L and 53L are used for protection against excessive pressure on domestic storage tanks or tankless water heaters. Similar in construction to Watts Model 10L, the Model 3L has no temperature relieving element. Model 53L has the basic design as Model 3L except it is furnished in 1/2" (15mm) size and does not comply with A.S.M.E. requirements. Pressure range is 75-150psi (5.2-10.3 bar). Series 3L and 53L come in standard settings of 75, 100, 125 and 150psi (5.2, 6.9, 8.6 and 10.3 bar). These Pressure Relief Valves are popularly used in conjunction with the Model 210 gas shutoff valve on gas water heaters to shut off gas to heater if water heater temperature exceeds 210°F (99°C).

Features

- Furnished with test levers
- Relieves excessive pressure on storage tanks
- Relieves excessive pressure on tankless water heaters
- Compatible with Model 210 gas shutoff valves

Models

- Solar 3L** Use in solar applications. Specify Z9 for stainless steel lever and pin or outside solar applications.
- Model 3L** Listed and certified by the National Board of Boiler and Pressure Vessel Inspectors to ASME section IV & by CSA to ANSI Z21-22/CSA 4.4
- Model 53L** (Does not comply with ASME requirements) Listed and certified by CSA to ANSI Z21-22/CSA 4.4
- Model FP53L** Use in fire protection grid systems. Protects against excessive pressure from thermal expansion or line surge. UL listed. Set at 175psi. Refer to literature ES-FP53L.



3L



53L

Approvals

ASME*, CSA, NB* (*3L only)



Materials

Body: 3L – Brass
 53L – Bronze

Spring: Stainless steel

Disc: Silicone

Pressure

Pressure range: 75-150psi (5.2-10.3 bar)

Standard settings: 75, 100, 125 and 150psi (5.2, 6.9, 8.6 and 10.3 bar)

NOTICE

Maximum system operating pressure must not exceed 75% of valve set pressure.

Dimensions-Weights

MODEL	SIZE		HEIGHT		WIDTH		WEIGHT	
	in	mm	in	mm	in	mm	lbs.	gms.
3L	3/4	20	3 11/64	80	1 5/32	40	1 3/32	181
53L	1/2	15	3 1/2	89	1 7/8	48	1/2	227

Capacity

	ASME CAPACITY (BTU/HR)				CSA CAPACITY (BTU/HR)
	75PSI	100PSI	125PSI	150PSI	
3L	200,000	257,000	314,000	370,000	200,000
53L	N/A	N/A	N/A	N/A	15,000

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



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