



RAJSHI
ENGINEERS

THREADED PRESSURE RELIEF VALVE



PRESSURE RELIEF VALVE:

Application :

Pressure Relief Valve (P.R.V.) is a safety device to be used in Transformer, Pressure Tanks & Pressure Lines for indoor & outdoor application. Suitable for repeated operation as compared to Conventional Explosion Vent which is for single use. It is compact, highly reliable and particularly designed to be used on O.L.T.C., Transformers, & similar equipment's / tank with non-corrosive liquid.

Features :

- Spring Safety Valve completely made of Brass /Aluminium, compact, highly reliable and particularly useful for use in transformer & tanks containing non corrosive liquid even in extreme outdoor condition
- Reliable Operating Pressure from 20 to 100 KPa. (0.20 to 1.00 kg/cm sq.)
- Positive Resealing Pressure.
- Operating Temperature: 0 to 100° C (of tank liquid).
- Sealing is with Nitrile Rubber Gasket.
- Valve Resetting Automatic. Suitable for repeated use.
- Protective Rain Guard Cap directs the Oil Spillage downwards.
- Flat Mounting Gasket can be provided if required.
- Depending upon nature of Tank Fluid we can supply with Viton Gaskets and "O" Ring.
- PRV at different Cracking Pressure (higher/lower) can be supplied as per your request.
- Normally we supply in Natural Finish. However, if required by customer we can supply with Ni-Cr plated or suitably painted

ROUTINE TEST :

Each P.R.V is calibrated &checked for its Cracking Pressure (Opening) by compressed air.

Different Models available are :

Based on mounting there are different varieties:

- Threaded
- Flange

THREADED PRV :

Note :

Each of these models have the following features :

- These can be used as an Oil Filling Cap.
- Mounting position preferably at the tank cover or topside is to be provided with leak proof welded suitably threaded boss having matching threads and tightened by help of Teflon Tape / Sealing Liquid.

Other Details :

These are available in two different sizes

- 1). Small Size PRV
- 2). Medium Size PRV



PRESSURE RELIEF VALVE:

THREADED SMALL SIZE PRV :

These are available only in brass.

Thread Nomenclature (Ø)		2	3	4
Size of Mounting Thread	British (B/N)	1/4 "	3/8"	1/2 "
	(Metric)	M12	M16	M20
Old Model		TS-04	TS-03	TS-04
Passage Area (Appx.) (mm/sq)		30	70	125
Body (A/F) in mm "B" (B.S.P. Thread)		18	22	30
Body (A/F) in mm "N" (N.P.T. Thread)		16	18	24
Body (A/F) in mm "M" (Metric Thread)		18	24	30
Total Length (±) 10 mm (Suit to Assembly)		40	45	55

Model Nomenclature	Model	1/4 " BSP	3/8" BSP
Plain	BTØ	BB2	
With Stainless Steel Pull Ring	BTØR	BN2R	
With Cap (Rain Guard)	BTØC	BB2P	
With Cap (Rain Guard) and Pull Ring	BTØCR		BB3SR
With Cap (Rain Guard) Riveted /Screwed	BTØCS	BB2SS	
With Visual Indicator (Flag)	BTØF		BB3F

Where :

- T - Type of thread (B - BSP, N – NPT, M- Metric)
- Ø- Thread Nomenclature: For B.S.P. & N.P.T. Thread (2-1/4", 3- 3/8", 4-1/2") For Metric Thread – Thread Size e.g. M12
- C- Cap (Rain Guard) (P- Plastic S- Stainless Steel, B- Brass)

Note :

Our all models have option of availability in Natural Finish/ Nickel Plated.



BN2R



BB2



BB2SS



BB2P



BB3SR



BB3F

PRESSURE RELIEF VALVE:

THREADED MEDIUM SIZE PRV :

Thread Nomenclature (Ø)		4	6	8	10
Size of Mounting Thread	British (B/N)	1/2 "	3/4 "	1"	1 1/4"
	(Metric)	NA	M26	M36	M42
Old Model		T-05	T-06	G-1	G1.25
Passage Area (Appx.) (mm/sq)		125	250	400	800
Body (A/F) in mm "B" (B.S.P. Thread)		30	36	40	46
Body (A/F) in mm "N" (N.P.T. Thread)		24	30	36	40
Body (A/F) in mm "M" (Metric Thread)		30	36	45	56
Total Length (±) 10 mm (Suit to Assembly)		55	55	55	70

Model Nomenclature	Model	1/2 "	3/4 "	1"
Plain	# TØ			SB8
With Stainless Steel Pull Ring	#TØR			
With Cap (Rain Guard)	#TØC			BB8P / AB8P
With Cap (Rain Guard) and Pull Ring	#TØCR			
With Cap (Rain Guard) Riveted /Screwed	#TØCS	SB4SS		
With Visual Indicator (Flag)	#TØF			
With Oil Collection Bend	#TØO		BB60	

Where :

- #- Material of the body (A- Aluminium, B-Brass, S-Stainless Steel)
- T - Type of Thread (B - BSP, N – NPT, M- Metric)
- Ø- Thread Nomenclature:
For B.S.P. & N.P.T. Thread (6- 3/4", 8- 1", 10-1.25")
For Metric Thread – Thread Size e.g. M26
- C- Cap (Rain Guard) (P- Plastic S- Stainless Steel).

Note :

Our all models have option of availability in Natural Finish/ Nickel Plated.



SB4SS (T-05)



BB60



BB8P(G-1B)



AB8P(G-1A)



SB8 (G-1S)

PRESSURE RELIEF VALVE:

FLANGE PRV :

These PRV are mounted directly on holes provided on Tank

Other Details:

Port Diameter Ø	1"	1.25"	1.5"	1.75"	2"
Model "P Ø"	P-25	P-32	P-38	P-40	P-50 / P-2
Passage Area (Appx.) (mm/sq)	500	800	1000	1500	2000
Number of Holes	2	2	2	3	4
Mounting Hole Diameter	8	8	10	10	12
Total Length (±) 20% (Suit to Assembly)	55	65	80	90	100

Details Nomenclature	Model
Basic Nomenclature	FMP-Ø
With Stainless Steel Pull Ring	FMP-ØR
With Cap (Rain Guard)	FMP-ØC
With Cap and Stainless-Steel Pull Ring	FMP-ØCR

Where :

- F - Finish (N- Natural, C -Cr Plated, P-Painted)
- M-Material of the body (A- Aluminium, B-Brass, I-Mild Steel/ Cast Iron, S-Stainless Steel)
- Ø- Port Diameter (mm)
- C- Cap (Rain Guard) (P- Plastic, S-Stainless Steel)
- R-Stainless Steel Pull Ring



PIP-25S



NAP-25S



CUSTOM MADE



PAP-25P



CP-50 / CNP-2



PIP-38



PIP-32