



In-Line Tank Vent Valves

NEWTON
EQUIPMENT LTD
SPECIALIST AUTOMOTIVE COMPONENTS

TPV Series

Part No. TBV 45	Dimensions	Dimensions	Part No. THV 45
	D: 31.00 mm	D: 31.00 mm	
	G: 40.00 mm	G: 39.30 mm	
	H: 89.00 mm	H: 79.00 mm	
	Thread: 9/16 x 18 UNF (JIC 6)	Standpipe: 8.0 mm	
	Weight: 76.0 gr.	Weight: 10.5 gr.	
	Material: 6082 Aluminium Alloy	Material: 6082 Aluminium Alloy	
	Finish: Anodised Red	Finish: Anodised Red	
	Negative Pressure limit: 0.08 psi / 0.0055 bar	Negative Pressure limit: 0.08 psi / 0.0055 bar	
	Positive Pressure limit: 0.725 psi / 0.05 bar	Positive Pressure limit: 0.725 psi / 0.05 bar	

Application

The TPV series is suitable for general automotive use for example on fuel injected vehicles. The vent prevents the escape of hydrocarbons into the atmosphere and ensures that vapours are vented when pressure builds up in the tank.

Workings

Responding to concerns about the escape of hydrocarbons into the atmosphere we have developed a new generation of vent valves that use carefully calibrated springs to control a two way valve. This system is used on the TPV6 and TPV 8 In-Line valves. The benefits are that the valve is shut when the engine is switched off so there is no trace of fuel smells in the garage. The valve will open to allow air into the tank to replace the volume of fuel that has been consumed. The valve will also open should any excessive pressure build up in the tank. This function safeguards the fuel system.

Installation

These valves are installed in-line connected to the fuel tank by a suitable hose. They can be mounted at any angle. There is no need to pipe the valve to the outside of the vehicle as vapour is allowed to escape from the vehicle.

In accordance with our policy of continuous improvement we reserve the right to change our products without prior notice.
Please contact our Technical Office for notice of any product updates. Rev. 00.12.22

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