



# Small Tank Vent Valves

**NEWTON**  
EQUIPMENT LTD  
SPECIALIST AUTOMOTIVE COMPONENTS

Part No. TBV 45	Dimensions	Dimensions	Part No. THV 45
	D: 14.3 mm	D: 17.5 mm	
	G: 14.75 mm	G: 10.5 mm	
	H: 40.0 mm	H: 29.0 mm	
	Standpipe: 4.75 mm	Standpipe: 4.75 mm	
	Weight: 6.0 gr.	Thread: 7/16 UNF (JIC 4)	
	Material: 6082 Aluminium Alloy	Weight: 10.5 gr.	
	Finish: Anodised Clear/Silver	Material: 6082 Aluminium Alloy	
	Flow capacity: 0.6 litre/sec	Finish: Anodised Clear/Silver	
		Flow capacity: 0.5 litre/sec	

Part No. TVO 45	Dimensions	Dimensions	Part No. TRV 45
	D: 14.3 mm	D: 17.5 mm	
	G: 14.8 mm	G: 15.0 mm	
	H: 25.0 mm (with nut)	H: 33.5 mm	
	Standpipe: 4.75 mm	Standpipe: 4.74 mm	
	Weight: 4.5 gr.	Thread: 7/16 UNF	
	Material: 6082 Aluminium Alloy	Weight: 9.5 gr.	
	Finish: Anodised Red	Material: 6082 Aluminium Alloy	
	Flow capacity: No Valve	Finish: Anodised Red	
	Flow capacity: 0.6 litre/sec		

The Small two -ball Valves are designed primarily for Motorcycle tanks in motor sport applications, where they will be subjected to violent movement.

## Installation

- TBV 45: Designed to be fitted directly onto the flange of the Aero 400 filler cap. It will bolt into a 5/16 inch / 8 mm hole. A prepared flange can be supplied [part No. F481D] together with a nitrile rubber gasket [ part No. GR48B1].
- THV 45 & TRV 45: Mounting hole 7/16 inch / 11 mm size. Access to the inside of the tank is required for installation



The two-ball valves are open to atmosphere so vapour can collect inside the vehicle. All installations should be piped to the outside of the vehicle or connected to a charcoal canister. The best way for tarmac vehicles is to run the pipe to the top of the body and then down to a point just below the base of the tank. The valve should be positioned as close as possible to the rear of the tank so that under braking the fuel load will move towards the front of the tank and away from the valve. Please contact us for installation advice for vehicles designed to operate in terrain such as deserts and jungle.

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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