



# Big Tank Vent Valves

**NEWTON**  
EQUIPMENT LTD  
SPECIALIST AUTOMOTIVE COMPONENTS

Part No. TRV 67	Dimensions	Dimensions	Part No. TRV 68
	D: 22.0 mm	D: 22.0 mm	
	G: 21.0 mm	G: 21.0 mm	
	H: 39.0 mm	H: 39.0 mm	
	Standpipe: 7.0 mm	Standpipe: 8.0 mm	
	Thread: 9/16 UNF (JIC 6)	Thread: 9/16 UNF (JIC 6)	
	Weight: 14.0 gr.	Weight: 14.0 gr.	
	Material: 6082 Aluminium Alloy	Material: 6082 Aluminium Alloy	
	Finish: Anodised Red	Finish: Anodised Red	
	Flow capacity: 0.8 litre/sec	Flow capacity: 0.66 litre/sec	

Part No. TRV 86	Dimensions	Dimensions	Part No. TRV 66
	D: 25.0 mm	D: 22.0 mm	
	G: 27.0 mm	G: 27.0 mm	
	H: 55.0 mm	H: 45.0 mm	
	Thread 1: 9/16 x 18 UNF (JIC 6)	Thread 1: D.06 (JIC 6)	
	Thread 2: 3/4 x 16 UNF (JIC 8)	Thread 2: D.06 (JIC 6)	
	Weight: 26.5 gr.	Weight: 16.5 gr.	
	Material: 6082 Aluminium Alloy	Material: 6082 Aluminium Alloy	
	Finish: Anodised Red	Finish: Anodised Red	
Flow capacity: 1 litre/sec	Flow capacity: 0.66 litre/sec		

## Application

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

## Installation

- TRV 66, 67 : Access to inside of tank is not required for installation. A 9/16" UNF nut can be brazed or welded to the tank and mounting hole made in the tank from the outside.
- TRV 86 valve body has a thread of 3/4 inch Unf and the input thread is 9/16 Unf. It can be bolted through a plate or it can be fixed by a welded or brazed nut onto the tank.

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