



VULCAN® FREELOADER



GAS

4 STAR ENERGY RATING

135L & 170L

2-5 PEOPLE

5YR WARRANTY†



Our special thermostat keeps water at a temperature of 73°C (higher than the 3 star hot water system you may be replacing), meaning you use **less hot water for the same length hot shower** you're used to enjoying*.

- **4 Star** energy efficiency
- Made in Australia
- **5 Year Warranty**†
- **Mains Pressure** at multiple taps
- **135L and 170L models**
- Natural gas or Propane
- Steel jacket and enamelled steel cylinder
- National service back-up



VULCAN®

FORGED TOUGH

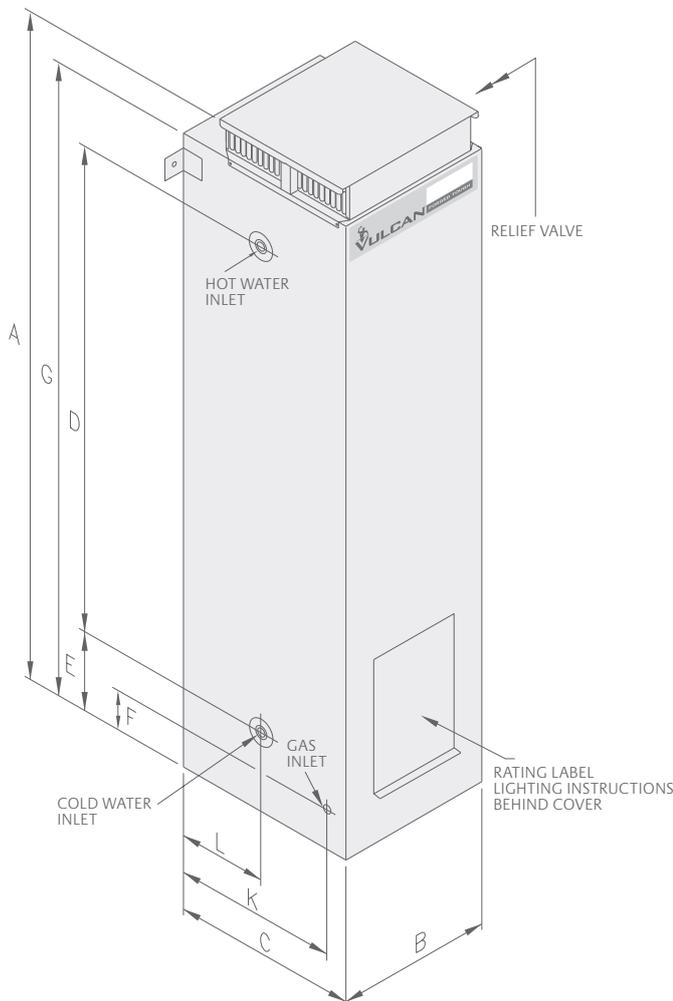
THAT'S VULCAN® VALUE

High quality and performance at an affordable price. Three good reasons why Vulcan is such a popular choice for reliable water heating.

Vulcan is built with the best: Quality materials and proven technology make Vulcan a great choice for reliable water heating.

Vulcan is tough: The Vulcan storage cylinder is made from high strength steel able to withstand varying water and heating cycle pressures.

Vulcan is adaptable: The balanced flue and durable steel jacket make Vulcan gas models easy to install and easy to live with. They can be installed on an approved base against a wall or recessed into a wall cavity.



VULCAN FREELOADER 4 STAR GAS HOT WATER – Product data

		648135	648170	
No. of people – Moderate Climate		2-4	3-5	
No. of people – Cool Climate		2-3	3-4	
Warranty		5 Years†		
Installation		Outdoor Only		
Gas Type		Natural Gas/Propane		
Hourly Gas Consumption	MJ	27	27	
Gas Energy Rating		4.3 Stars	4 Stars	
Storage Capacity	Litres	135	170	
Recovery Rate	Litres/ Hour at 45°C	117	118	
Dimensions	A	mm	1558	1858
	B	mm	422	422
	C	mm	502	502
	D	mm	988	1213
	E	mm	328	403
	F	mm	298	298
	G	mm	1478	1778
	K	mm	473	473
L	mm	208	208	
Approx. Weight Empty	kg	59	69	
Relief Valve Setting	kPa	1400	1400	
ECV Setting*	kPa	1200	1200	
Max. Water Supply Pressure	kPa			
	With Expansion Control Valve*	960	960	
	Without Expansion Control Valve	1120	1120	
Water Connections		Rp ¾	Rp ¾	
Gas Connection		Rp ½	Rp ½	

Must be installed with the back of the water heater against a wall. Minimum distances from the flue terminal to openings into a building, corners and return walls apply.

† **Warranty:** 5 years on cylinder, 3 years labour on cylinder, 1 year on parts and labour. For full details contact your nearest distributor. Conditions apply. See the Vulcan warranty set out in the Owner's Guide & Installation Instructions or view at www.vulcan.com.au/warranty.

* ECV not supplied with water heater.

• Based on the most common temperature 43°C shower through a 9 litre/minute showerhead mixing with cold water at 10°C Vulcan 4 star 648 Series with thermostat set at 73°C delivers 15-20% more continual shower time than the Vulcan 3 Star 641 Series with thermostat set at 65°C.

® Vulcan is a registered trademark of Rheem Australia Pty Ltd.

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Materials and data are subject to change without notice.

