



## JAS Oceania are now a proud national distributor of Valeo



### About Valeo

The Valeo story started back in 1923 in a small workshop just outside of Paris. Over 90 years later Valeo is now one of the World-Leading Global Automotive suppliers in over 30 Countries supplying to the Automotive Manufacturing sector and Aftermarket sales.

### Valeo Automotive Technology is OE for many leading car manufacturers

Valeo manufactures over 100,000 starter or alternator units per day worldwide throughout its 10 production sites in France, Poland, Mexico, Brazil, Korea, China and India, and is thus recognized as a key player on the global market. One in three vehicles is fitted with a Valeo alternator as original equipment, and one in three with a Valeo starter as original equipment. Valeo supplies original equipment starters and alternators to all major car and light commercial vehicle manufacturers from low end to luxury vehicle Audi, BMW, Citroen, Ford, Hyundai, Kia, Mercedes, Peugeot, Skoda, and Volkswagen.

Valeo being a global automotive supplier and partner to all automakers worldwide. As a technology company Valeo provides innovative products, systems, and solutions that reduce automobile CO<sub>2</sub> emissions to improve vehicle performance

### Valeo Stop - Start Technology

The (i-StARS) starter-alternator is installed in place of a conventional alternator. The combustion engine is started immediately and silently thanks to the belt that permanently links the system to the crankshaft. The alternator mode features a new technology that improves the electrical efficiency of the system. In addition, the integrated control electronics makes it easier to package the system on the combustion engine.

The (i-StARS) starter-alternator optimizes the Stop-Start strategy required by the automaker. It enables the engine to be switched off and restarted before the vehicle has reached a complete standstill. Restarting is almost instantaneous (400 msec), silent and without vibration. The system is compatible with all manual and automatic transmissions.

The reinforced starter installed in place of a conventional starter and offers better durability to repeated stopping and starting. Restart can be adapted to all types of engines and all engine displacements and can also start the engine at extremely low temperatures. Its integration is not intrusive, as the system does not alter the vehicle architecture.

Valeo teams are currently working on the development of a new-generation of reinforced starter that can restart the combustion engine while it is still turning: this will increase the duration and number of stop phases and therefore increase fuel efficiency.



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## Valeo Compressors

### Passenger Range – Passenger Car

The Valeo Compressor Range offers a variety of Compressors that deliver strong application coverage for the Passenger Car Segment.



#### 10S Replacement Compressors

- Optimally designed internal muffler reduces noise and enhances gas flow
- Coated pistons for low friction & high efficiency in-cylinder compression
- Coated swash plate ensure low friction & smooth operation
- Integrated rubber coated metal valve retainer allows discharge valve maximum cushioned support ensuring longer life and quieter operation.
- Suction port & internal architecture designed to efficiently direct cool returning refrigerant and oil to lubricate parts

#### VC210 Design

- Lip seal offers more reliable sealing
- More durable in low lubricant situations
- No more storage problems with dry seals

#### VC7S Design

- Replacement for 7SBU16C Applications
- Utilises the Valeo VC5 mechanism
- Used on Mercedes Benz, BMW & Dodge
- Looks, fits and performs like an OE Compressor

### Valeo Compressors. Passenger Range – TM Range

Light, Medium and Large Commercial Trucks, Buses & Truck Trailer Refrigeration

The TM Range is engineered with the following features:

- High Performance
- Best cooling capacity & efficiency
- Optimised volumetric performance
- Reliable and Robust
- Light-weight & Compact Design
- Low vibration & noise level
- Balanced Swash Plate designed to reduce vibrations
- High precision piston coating enabling low clearance
- Coated Swash Plate for low friction
- Smooth operation

The TM series Compressors are designed to cover a wide range of application. The TM compressors incorporate the latest design improvements to better meet the needs of today's Heavy Duty requirements.