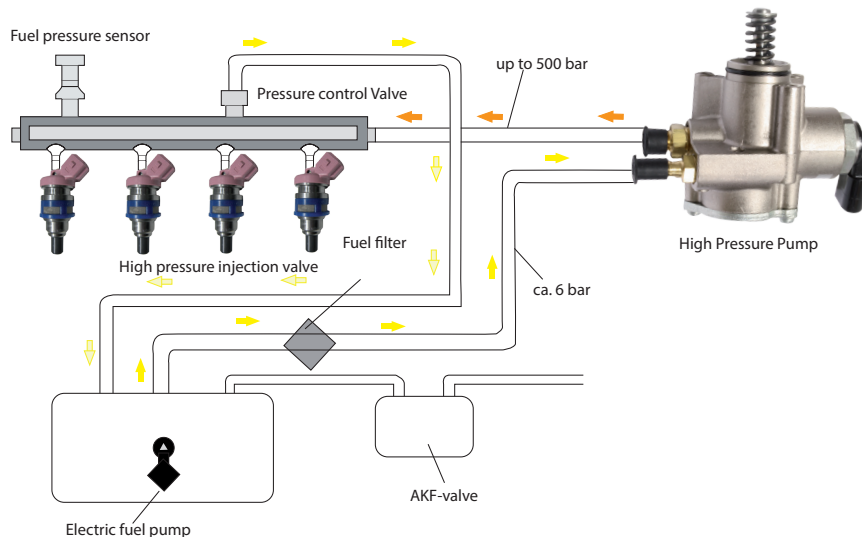


HIGH PRESSURE PUMPS

Astemo is leading the field in gasoline direct injection

High Pressure Pumps are used in modern petrol engines with direct injection. Petrol direct injection has the benefits, that a higher torque is achieved with the same cubic capacity. This therefore leads to a higher performance. The engine reacts better to changes of the gas-pedal position. In the partial-load operation, the aim is a measurable amount of fuel saving.



The High Pressure Pump is supplied with fuel from the in-tank pump at a pressure of approx. 6 bar and then boosts the fuel with a pressure up to 500 bar into the common rail.

The pump is positioned directly within the cylinder head, because the drive mechanism is mechanical and not electrical.

Astemo currently supplies over 60 high pressure pump SKU's, which match more than 1000 vehicle applications. Models from 2002 to still under production vehicles are covered.

Hüco No. 133090 / Astemo No. 2503090		VIO EMEA*
	VW GROUP 04E127026BH	> 2.758.000
	VW GROUP 04E127026BJ	
	VW GROUP 04E127026BK	
	VW GROUP 04E127026L	
	HITACHI / ASTEMO HFS03451	

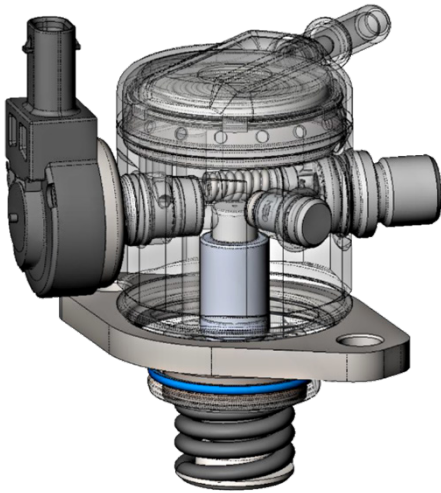
Hüco No. 133082 / Astemo No. 2503082		VIO EMEA*
	VW GROUP 06J127025C	> 2.315.000
	VW GROUP 06J127025E	
	VW GROUP 06J127025L	
	HITACHI / ASTEMO HFS034131	
	HITACHI / ASTEMO HFS034135	

Hüco No. 133081 / Astemo No. 2503081		VIO EMEA*
	VW GROUP 06L127025H	> 530.000
	VW GROUP 06L127025T	
	PORSCHE 95812702500	
	PORSCHE PAC127025	
	HITACHI / ASTEMO HFS034141D	

Hüco No. 133071 / Astemo No. 2503071		VIO EMEA*
	VW GROUP 03C127026C	> 2.550.000
	VW GROUP 03C127026M	
	VW GROUP 03C127026S	
	HITACHI / ASTEMO HFS03431A	
	HITACHI / ASTEMO HFS03431M	

* EMEA implies the 17 most relevant countries in the region

Introducing Astemo's New Generation 5 HPP



Astemo is proud to announce the latest addition to our range of high pressure pumps (HPP) with our newest "Generation 5".

The Gen 5 HPP series is a completely new development by Astemo and can build up pressures to 500bar currently. With their full stainless-steel body, they are designed for:

- Lower noise
- Higher efficiency
- Weight reduction

These pumps are used in vehicles that are still under series production, therefore the amount of VIOs will continue to grow in the future. The Gen 5 HPPs are adopted on the newest VW Group 1.0 TFSI and 1.5 TFSI engines in both ICE and hybrid applications.

This ensures our future supply to OEM for the next decade and the IAM demand beyond.

Today these two high pressure pumps already cover over 2.5 million vehicles in EMEA, although they are still under series production.

Astemo No. 2503096			VIO EMEA*
first to market	VW GROUP	05E127027A	> 1.500.000
	VW GROUP	05E127027G	
	HITACHI / ASTEMO	HFS55402	
	HITACHI / ASTEMO	HFS55461	
			Vehicles still under production

Astemo No. 2503097			VIO EMEA*
first to market	VW GROUP	05E127027L	> 1.000.000
	HITACHI / ASTEMO	HFS55465	
			Vehicles still under production

* EMEA implies the 17 most relevant countries in the region



OE names for references only. Please check the TecDoc catalogue for a complete application list of all products.

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