

MOTOR COMPONENTS, LLC

Motor Components has designed the next generation FACET Diesel Lift fuel pump and Priming pump for Tier 4 diesel engines and common rail diesel systems. These fuel pumps are designed for original equipment installation, allowing engineers flexibility in their fuel system designs.

NEW DIESEL LIFT/PRIMING PUMP

While many engine manufacturers are hard at work designing new engines to meet the Tier 4 requirements, Motor Components has also invested in the development of their new diesel lift/priming pump. Motor Components recognized the need for a fuel pump with higher pressure and flow rate at working pressure which is required on many Tier 4 engines and common rail systems with a MTBF of 8,000 to 10,000 hours. The diesel fuel pump must also be compatible with biodiesel, and fuel additives that are common in today's diesel fuels around the world. Our design engineers have incorporated state-of-the-art technology with tried and proven pump designs to develop Motor Components Facet "New Generation Fuel Pump." This new family of pumps will be offered in the Cube Solid State and DURA-LIFT Solid State models. Facet fuel pumps have more than



FACET FUEL PUMPS HAVE MORE THAN 75 YEARS OF PROVEN PERFORMANCE AND SET THE INDUSTRY STANDARD FOR HIGH-QUALITY, MADE-IN-THE-USA PRODUCT.

the engine compartment. We decided to design around our Cube Solid State and DURA-LIFT Solid State pumps to ensure maximum performance in the smallest possible package. The new design incorporates the highest quality electronics with stainless steel internal

components to meet the Tier 4 common rail requirements. Facet's hard working solenoid diesel fuel pumps have a higher flow rate at working pressure, which is necessary for the new common rail systems. The patent pending design meets the material requirements placed on today's fuel systems by the injection systems.

FUEL FILTRATION

Motor Components has also placed fuel filtration high on the priority list and offers the DURA-Lift style pump with a 80 micron stainless steel fuel filter with a clear filter bowl that allows visible inspection of the fuel and filter as well as easy serviceability. We offer two options for the Cube style pump filters. The filters are installed to the pump's in-let fitting which allows protection for the pump and can also be serviced easily. These filters are designed for the Facet fuel pumps and are very good options as the pre-filter in today's extremely clean fuel requirements.

Many manufacturers are looking for the highest quality products at the lowest possible price and Motor Components, Facet fuel pumps meet and exceed this expectation.

All Facet lift/priming fuel pumps are engineered and manufactured by Motor Components LLC, an ISO9001:2008 facility. For design and engineering information contact Paul Puleo, national sales manager, 607.737.8371; email: p.puleo@facet-purolator.com. ■



75 years of proven performance and set the industry standard for high-quality, made-in-the-USA product. Our target customer for these fuel pump are Tier 4 diesel engine manufacture and equipment manufactures in markets such as ag, industrial, gen-set, marine, and so on.

NEW DESIGN

One important issue faced was the overall size of this pump, keeping in mind that there will be minimal space in



Diesel Electric Priming Pumps

Specifically Designed for Tier 4 Common Rail Systems

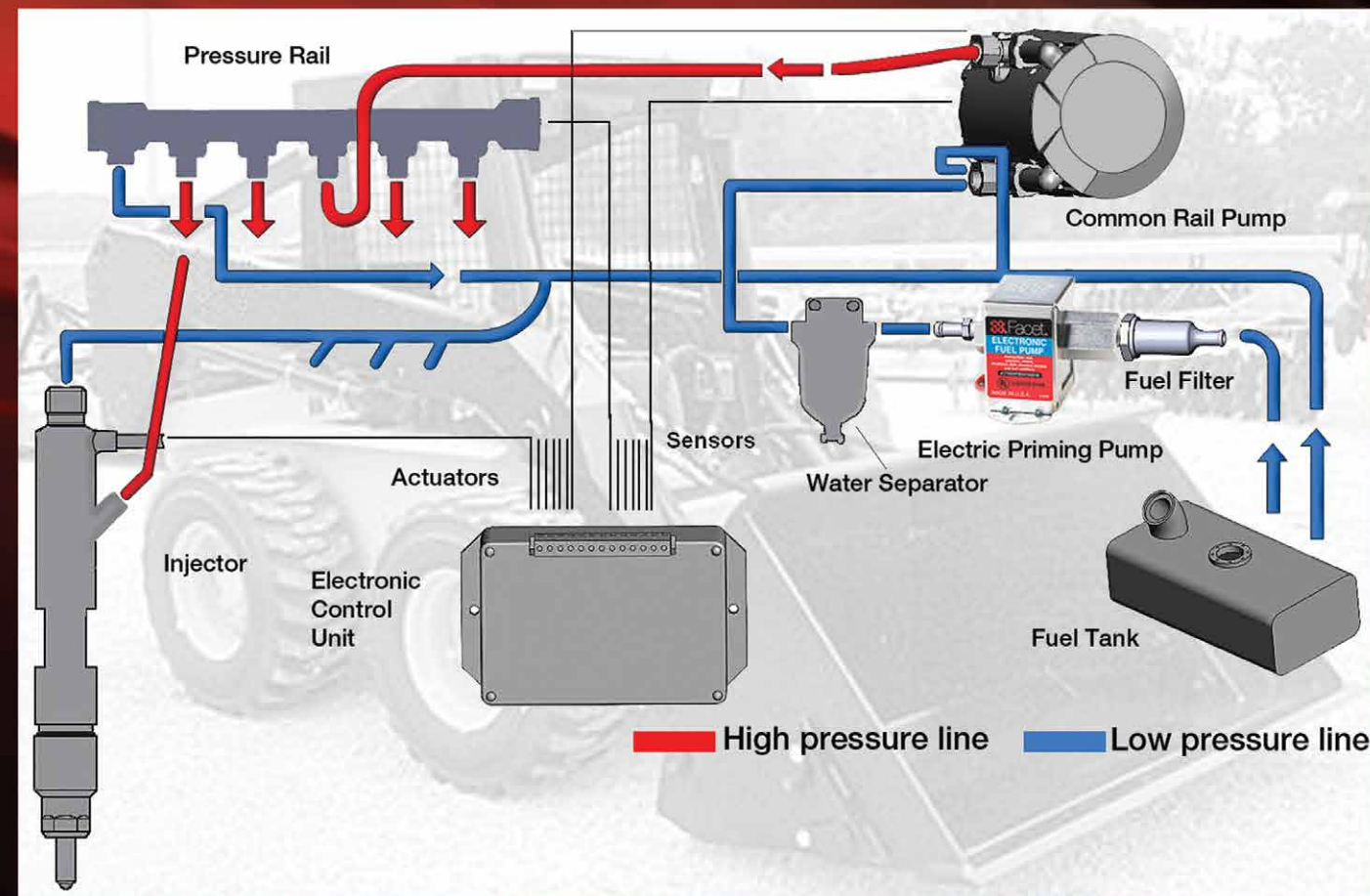
Facet® branded Cube and Dura-Lift® solid state fuel pumps are engineered to meet ASTMD975 fuel requirements for TIER4 common rail engines.

The choice is yours...Facet's common rail diesel electric priming fuel pumps offer a wide range of existing specifications to choose from or...our engineering staff will design a pump to meet your particular performance needs.

All Facet fuel pumps are compatible with gasoline, diesel, bio-diesel, E85 and fuel additives.



Common Rail Fuel System



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