

May 05, 2015



SUNTEC INDUSTRIES AND B20 USE



An environmental commitment

The use of higher percentage biodiesel blends is a real improvement towards a durable reduction of CO2 emissions and consumption of non renewable fossil fuels.

A recognized know-how

For the past 30 years, the robustness and reliability of SUNTEC's products have earned the company renown.

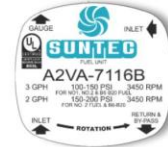
A world leader position

Thanks to its knowledge and the trust of its customers, SUNTEC has been leading the transition to biofuel in Germany since 2010.

SUNTEC, leading manufacturer of fuel oil pumps, has already shown its involvement in the promotion of biodiesel.

We are now ready to intensify our support to this environment friendly technology, proposing B6-B20* equivalent to all our current pump models.

We are developing new specific pump models compatible with biodiesel (as defined in ASTM D6751) heating oil blends from 6% up to 20% to complete our standard range of pumps. These models will be clearly identified with blue SUNTEC logo and B designation.



Model A2VA-7116B will be available from 1st June 2015, and model A2VA-3006B will be available from 1st September 2015.

Important note: today's standard pumps and valves are UL rated with #1 and #2 fuel according to ASTM D396. This fuel definition sets a limit to 5% biodiesel content. These products are **not** compatible with 20% biodiesel blends.

SUNTEC does not warranty these standard models for use of blends higher than 5% biodiesel.

For more information on B6-B20 compatible SUNTEC products, please contact SUNTEC.

**B6-B20: Blends of heating oil and biodiesel, as defined in ASTM D396.*

Information B20 – Ed 3 – May 2015

TECHNICAL BULLETIN

PUMPS BLOCKED BY FUEL OIL

SUNTEC draws the attention of its customers to the fact that fuel oils and biofuel blends are sensitive to air and moisture (in particular B10, a low sulfur fuel oil mixed with 10% FAME or EMAG). They can deteriorate over time, depending on the storage conditions: esterified oils act as solvents and may thus entrain deposits and residues of the tank or the pipes, which will end up in the pump. Some mechanical components may get stuck and the warranty of our products would not apply.

Blockages can also be caused by sticky or gummy deposits, which form when the fuel oil does not contain additives that preserve it from oxidation or corrosion.

Here are some examples observed on our pumps:



1 - Cover + strainer removed

There is no pollution on the strainer or on the outer surfaces of the gear after removing the cover.



2 - Gear removed

Brown gummy deposit



Brown sticky deposit

Caution: SUNTEC does not recommend the disassembly of the gear, which could result in a modification of the internal clearances and thus no longer guarantee the correct functioning of the pump. It is possible to circulate "clean" fuel in the pump to dissolve these deposits.

Therefore, SUNTEC recommends users of its products to be very vigilant about the quality of the fuel used and its storage time. SUNTEC recommends the use of a high quality fuel oil and a fuel quality check after each extended shutdown period.