



## SUNTEC PUMPS AND UK KEROSENE

### KEROSENE PROPERTIES

Kerosene fuel has different properties compared to gasoil :

- ⇒ much lower viscosity (1,3 to 2,9 cst @20°C), meaning that the internal leakages between the moving parts of the pump are increased giving a reduction in available nozzle flow capacity.
- ⇒ lower lubricity of the pump inner parts.

Due to these properties, kerosene use requires precautions in the selection and use of burner pumps.

### SUNTEC PUMP RANGE AND KEROSENE APPLICATIONS

#### ■ Low capacity pumps :

To fulfill the market requirements Suntec has developed a special range of models issuing from standard **AN, AE, AS, AL, AP2, A2L, AT2** types with high precision gears.

These models are identified with their own reference number and by the letter "K" :

ie : ASV 47C **K** 1682 6P 0700.

The maximum recommended pressure for these models is : **15 bars**.

#### ■ Medium capacity pumps :

For **AJ** pumps, as for A pumps, specific models identified by the letter "K" have been created :

ie : AJV4 ABK 1004P;

The maximum recommended pressure for these models is : **15 bars**.

For **E1001/1002** and **J** (revision ≥8) pumps, standard models are compatible for kerosene application. The maximum recommended pressure is : **15 bars**.

Do not use J7 or E71001 pumps for kerosene application, SUNTEC recommends to use TAR2 pumps

#### ■ High capacity pumps :

For **TA, TAR and T** pumps, standard models are compatible for kerosene application.

However for viscosities below 3 cSt, the maximum recommended pressure is :

- **20 bars** for TA2/3/4, TAR2/3/4 and T2/3/4 pumps,
- **17 bars** for TA5, TAR5 and T5 pumps.

For viscosities lower than 2 cSt, SUNTEC recommends to use **TAR** pumps, improved to suit these applications (consult SUNTEC).