



Oil Pump series T

The SUNTEC T oil pump is specially designed for industrial heating applications using light or heavy oils with high capacity. It is fitted with a preheater location to render cold starting easier.

Technical data

General

Mounting	Flange mounting		
Connection threads	Cylindrical according to ISO 228/1		
Shaft	Ø 20 mm		
Weight	7,8 kg (T2)	-	8,1 kg (T3)
	8,7 kg (T4)	-	9,4 kg (T5)

Hydraulic data

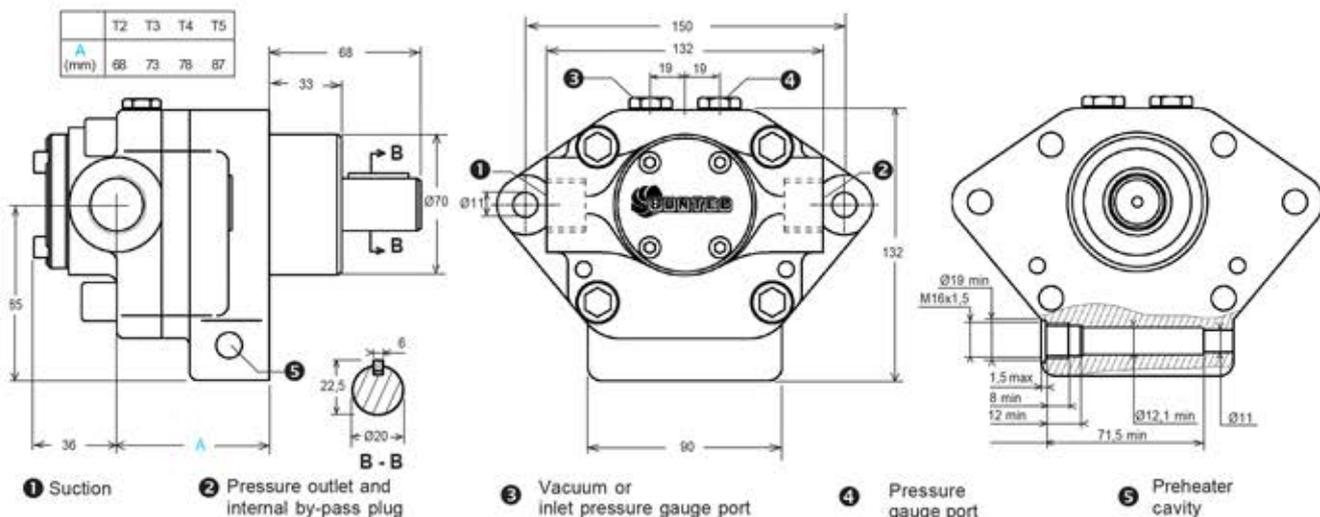
Nozzle pressure range	40 bars max. (T2, T3, T4) 30 bars max. (T5)		
Operating viscosity	3 - 75 mm ² /s (cSt) <i>(Higher viscosity oil can be used by feeding the pump or by heating the oil to lower its viscosity under 75 cSt. For kerosene applications, contact SUNTEC)</i>		
Oil temperature	0 - 150°C in the pump		
Inlet pressure	light oil :	0,45 bars max. vacuum to prevent air separation from oil	
	heavy oil :	5 bars max.	
Rated speed	3600 rpm max.		
Torque (@ 40 rpm)	0,4 N.m		

Choice of heater

Cartridge	Ø 12 mm
Fitting	according to EN 50262
Rating	80-100 W

PUMP DIMENSIONS

Example shows "A" rotation - Reverse all pump connections for "C" rotation.





Oil Pump series TA

The SUNTEC TA oil pump is specially designed for industrial heating applications using light or heavy oils. It is fitted with a preheater location to render cold starting easier.

Technical data

General

Mounting	Flange mounting		
Connection threads	Cylindrical according to ISO 228/1		
Inlet and return	G 1/2		
Nozzle outlet	G 1/2		
Pressure gauge port	G 1/4		
Vacuum gauge port	G 1/4		
Shaft	Ø 12 mm		
By-pass plug	Inserted in vacuum gauge port for 2 pipe system; to be removed with a 3/16" Allen key for 1 pipe system		
Weight	5,4 kg (TA2)	-	5,7 kg (TA3)
	6 kg (TA4)	-	6,4 kg (TA5)

Hydraulic data

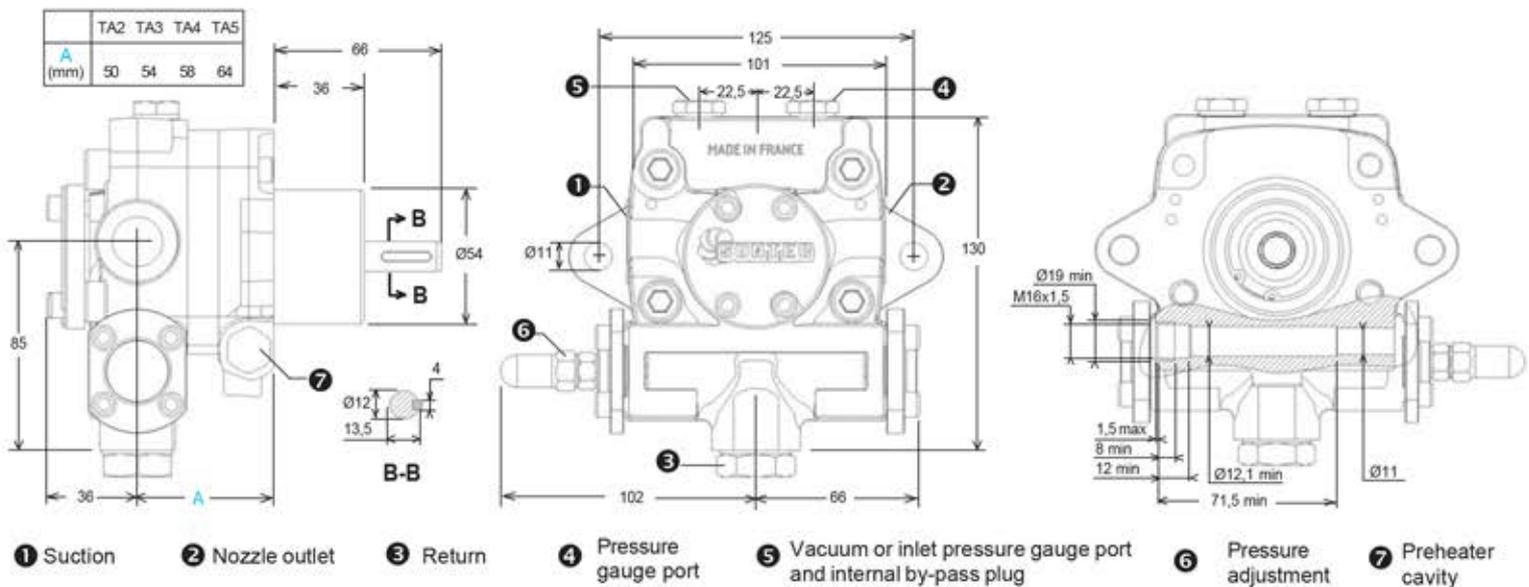
Nozzle pressure ranges	30 : 7 - 30 bars
	40 : 7 - 40 bars
Delivery pressure setting	30 bars
Operating viscosity	2 - 75 mm ² /s (cSt)
<i>(Higher viscosity oil can be used by feeding the pump and by heating the oil to lower its viscosity under 75 cSt. For kerosene applications, contact SUNTEC)</i>	
Oil temperature	0 - 150°C in the pump
Inlet pressure	light oil : 0,45 bars max. vacuum to prevent air separation from oil
	heavy oil : 5 bars max.
Return pressure	light oil : 5 bars max.
	heavy oil : 5 bars max.
Rated speed	3600 rpm max.
Torque (@ 40 rpm)	0,3 N.m

Choice of heater

Cartridge	Ø 12 mm
Fitting	according to EN 50262
Rating	80-100 W

PUMP DIMENSIONS

Example shows pump with "C" rotation and serial number ³ 500 000. - Reverse all pump connections for "A" rotation.





Oil Pump series E

The SUNTEC E 1069 oil pump is specially designed for heavy oil applications: it is fitted with a special type shaft seal resisting high temperature and with a preheater location to render cold starting easier.

Technical data

General

Mounting	Flange mounting according to EN 225
Connection threads	Cylindrical according to ISO 228/1
Inlet and return	G 1/2
Nozzle outlet	G 1/4
Pressure gauge port	G 1/8
Vacuum gauge port	G 1/2
Valve function	Pressure regulating without cut-off.
Strainer	Open area : 45 cm ² Opening size : 550 µm
Shaft	Ø 11mm according to EN 225
By-pass plug	Inserted in return port for 2 pipe system; to be removed with a 3/16" Allen key for 1 pipe system.
Weight	4 kg

Hydraulic data

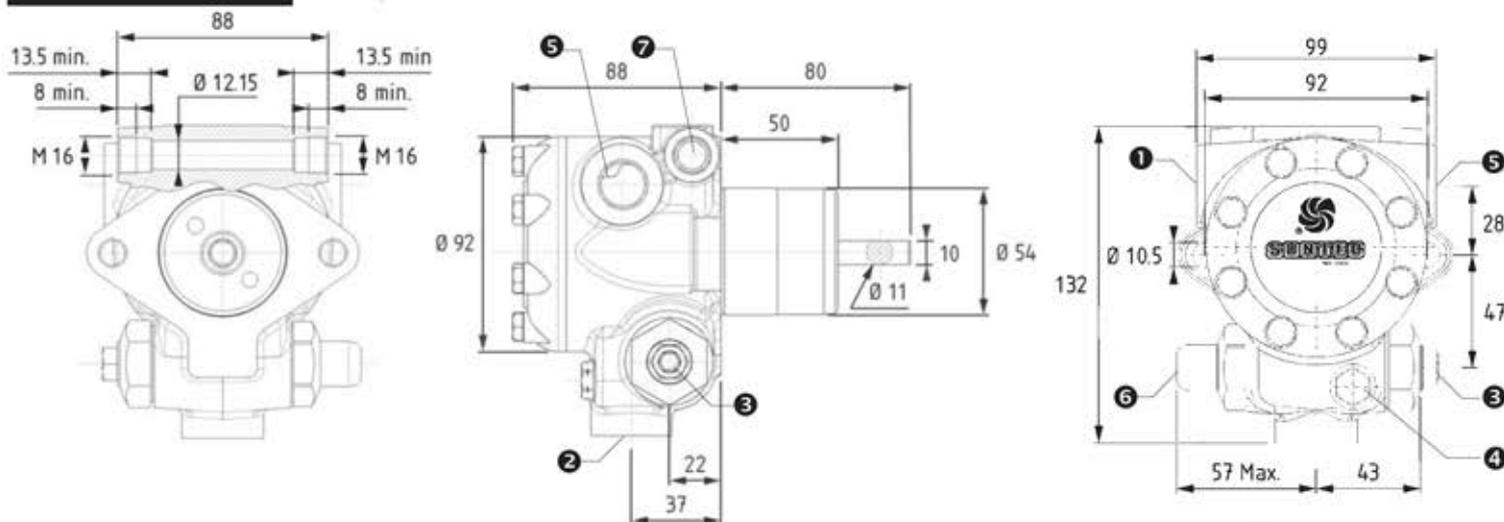
Nozzle pressure range	14 - 30 bars
Delivery pressure setting	20 bars
Operating viscosity	3 - 75 mm ² /s (cSt) <i>(Higher viscosity oil can be used by feeding the pump or by heating the oil to lower its viscosity under 75 cSt)</i>
Oil temperature	0 - 130°C in the pump.
Inlet pressure	light oil : 0,45 bars max. vacuum to prevent air separation from oil. heavy oil : 3,5 bars max.
Return pressure	light oil : 3,5 bars max. heavy oil : 3,5 bars max.
Rated speed	3600 rpm max.
Torque (@ 40 rpm)	0,30 N.m

Choice of heater

Cartridge	Ø 12 mm
Fitting	according to EN 50262
Rating	50 - 80 W

PUMP DIMENSIONS

Example shows "C" rotation and nozzle outlet.



- 1 Suction or vacuum gauge port 2 Return and internal by-pass plug 3 Nozzle outlet 4 Pressure gauge port 5 Vacuum gauge port or suction 6 Pressure adjustment 7 Preheater cavity