TECHNICAL DATA

General

Mounting	Flange or hub according to EN 225
Connection threads	Cylindrical according to ISO 228/1
Inlet and return	G 1/4 (with facilities for conical sealing on revision 6 model)
Nozzle outlet	G 1/8
Pressure gauge ports	G 1/8
Vacuum gauge port	G 1/8
Valve function	Pressure regulating without cut-off
Strainer	Open area : 6 cm² (AE 47/47K, 57/57K, 67/67K) 20 cm² (AE 77/77K, 97/97K) Opening size : 150 µm
Shaft	Ø 8 mm according to EN 225
By-pass plug	Inserted in return port for two-pipe system; to be removed with a 4 mm Allen key for one-pipe system.
Weight	1 - 1,3 kg (depending on the model)

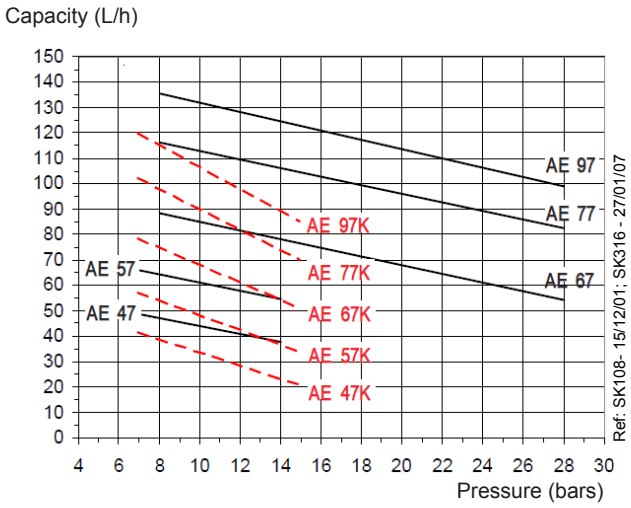
Hydraulic data

Gear size	Nozzle pressure range*	Factory setting
47/57	7 - 14 bars	9 bars
67/77/97	8 - 28 bars	14 bars
47K/57K/67K/77K/97K	7 - 15 bars	9 bars

** other ranges available on request, refer to the specified range of the particular fuel unit.*

Operating viscosity	2 - 75 mm²/s (cSt) for AE 47/57/67/77/97 1,25 - 75 mm²/s (cSt) for AE 47K/57K/67K/77K/97K
Oil temperature	0 - 60°C in the pump.
Inlet pressure	2 bars max.
Return pressure	2 bars max.
Suction height	0,45 bars max. vacuum to prevent air separation from oil.
Rated speed	3600 rpm max.
Torque (@ 45 rpm)	0,10 N.m (AE 47/47K, AE 57/57K) 0,12 N.m (AE 67/67K) 0,14 N.m (AE 77/77K) 0,20 N.m (AE 97/97K)

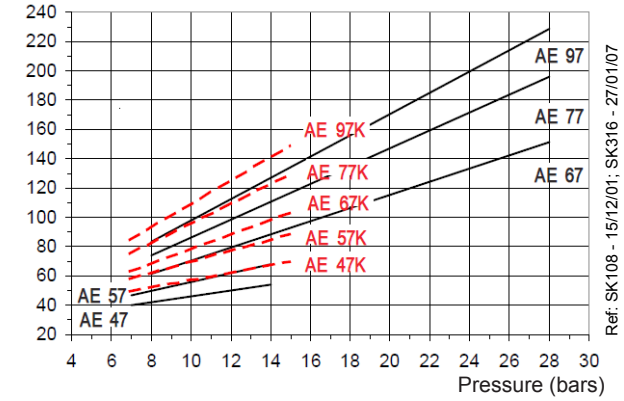
Pump capacity



Viscosity = ——— 5 cSt - Rated speed = 2850 rpm
— — 1,8 cSt

Data shown take into account a wear margin.
Do not oversize the pump when selecting the gear capacity.

Power consumption

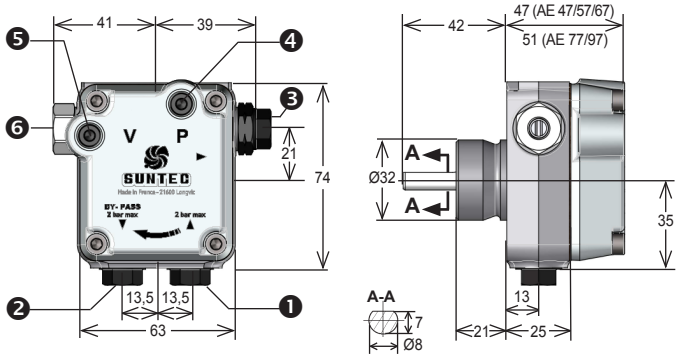


Viscosity = ——— 5 cSt - Rated speed = 2850 rpm
— — 1,8 cSt

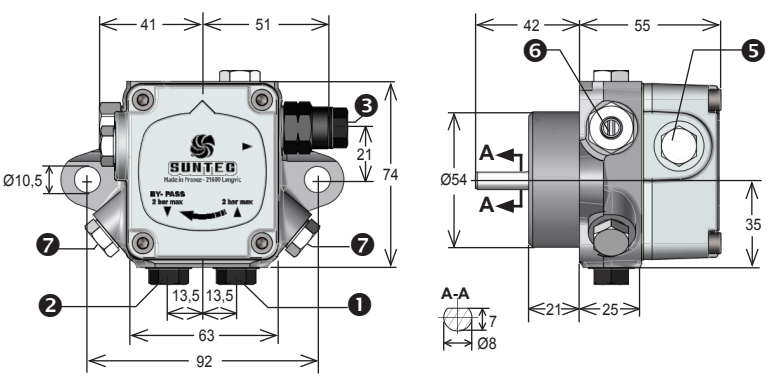
PUMP DIMENSIONS

Examples show "C" rotation and nozzle outlet.

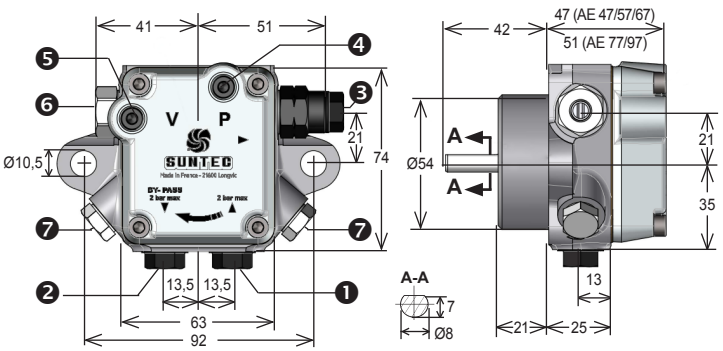
Pumps revision 6

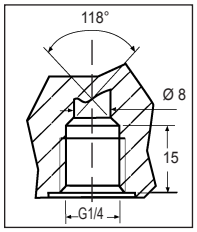


Pumps revision 2



Pumps revision 4





Inlet ❶ and Return ❷
with direct sealing
for revision 6
(sealing with washers can also be used)

❶ Suction
❷ Return and internal by-pass plug
❸ Nozzle outlet
❹ Pressure gauge port
❺ Vacuum gauge port
❻ Pressure adjustment
❼ Pressure port (only for "7000" series)