



### Series 900 & 1200 Low pressure High Volume Grease Transfer Pumps

The RAASM 91F/111 and RAASM 116F/181 are high pressure oil pumps that may be used as a low pressure high volume grease transfer pumps over short to medium distances.

Like a grease pump, the 91F/111 includes a full length suction tube piston rod connected to a foot end piston and check valve that push oil and grease through the suction spear.

The curves over the page demonstrate that comparatively high volumes of NLGI 2 grade grease can be moved quickly and conveniently through large diameter hoses without the need for a larger more expensive high pressure grease pump.

The 900 Series 91F/111 is ideal for filling small grease pods on mobile equipment from drums or grease hoppers. It's comparatively low air consumption of 1.8 m<sup>3</sup>/min make it well suited to service vehicle applications. The larger 1200 Series 116F/181 delivers similar output with less work, but consumes considerably more air, which is a factor when considering it for mobile use. This pump is ideal for filling service vehicle transfer tanks from large hoppers in a workshop or bulk transfer station with access to high volume air.

#### Key Features:

Full length piston rod and piston push grease through the suction tube and assist priming. Innovative compact design with fewer moving parts increases life and reduces maintenance.

High pressure double acting design for efficient operation and smooth continuous flow.

Self lubricating air motor components and hardened coated shafts and guides in top and bottom end reduce maintenance and failures due to lack of lubrication.

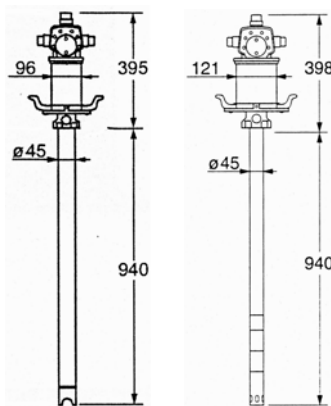
Built in air filter dramatically reduces pump wear due to air borne dirt and contamination.

Accessories available include 180kg drum cover and follower plate, standard and shock absorbing wall mounting brackets. Handles supplied with 'F' series pumps.

Full range of spares and service available including air inlet, muffler and grease filter elements, shaft seal kit, bottom end and air motor overhaul and gasket kits. Backed by Tecalemit and RAASM 12 month warranties.

91F/111

116F/181



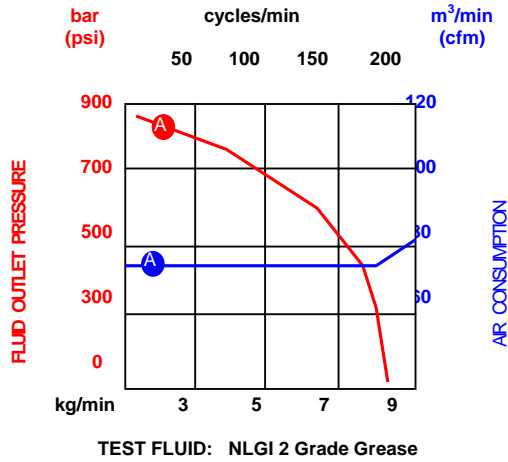
#### Technical Specifications :

Model : Flange	91F/111	116F/181
Series	900	1200
Type	Drum/Pod	Drum/Pod
Compression Ratio :	11:1	18:1
Air inlet :	1/2" BSPF	1/2" BSPF
Oil outlet :	3/8" BSPF	3/8" BSPF
Rec. Max air pressure :	800 kPa	800kPa
	116 psi	116 psi
Air consumption* :	1.9 m <sup>3</sup> /min	3.2 m <sup>3</sup> /min
	67cfm	113cfm
Output* :	5.5kg/min	7kg/min
Noise level :	80db	80db

\* Air consumption and output vary with pressure, stroke rate, distance and volume. Consult the performance curve for each individual pump for details.

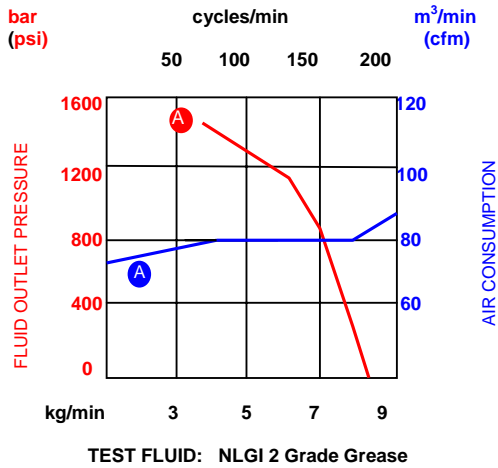
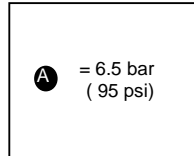
### Performance Curves

The following data was produced by Tecalemit using Shell Alvania EP2 at an ambient temperature of 22 degrees Celsius. This information should be used as a guide only as performance will vary with grease consistency, delivery hose diameter, distance and ambient conditions.



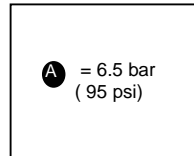
#### 900 Series 11:1 Ratio Grease Transfer Pump

**Model**  
91F/111



#### 1200 Series 18:1 Ratio Grease Transfer Pump

**Model**  
116F/181



For specialist advice on grease transfer applications, consult Tecalemit Technical Services. Ph 1800 68 55 77 or email [expertadvice@tecalemite.com.au](mailto:expertadvice@tecalemite.com.au)