

A1RA 7738-7 - Specifications

General

Mounting	Flange mounting
Connection threads	
Inlet port (std)	1/4 NPTF
Alt. Inlet port	1/4 NPTF
Nozzle outlet	1/8 NPTF
Alt. nozzle port#1 (gauge port)	1/8 NPTF
Alt. nozzle port#2 (bleeder port)	1/8 NPSF
Pressure gauge port	1/8 NPTF
Bleeder valve port	1/8 NPSF
External pressure regulator needed	No
Cut-off at nozzle plug port	Yes
Cut-off at alternate nozzle port	No**
Strainer (internal to pump, from SUNTEC)	30x30 mesh (build into pump)
Strainer (external to pump, from Installer)	100x100 mesh inlet line strainer min. 10 micron highly recommended
Shaft diameter	5/16 in

Hydraulic Data

Nozzle pressure range	100-150 psi
Alternate nozzle port pressure range	0-150 psi **
Factory pressure setting	100 psi
Outlet flow rate	2.5 GPH @ 100 psi & 1750 rpm.
Oil temperature	50 - 115 F
Inlet pressure	10 psi max
Operating vacuum	20" Hg max.(waste oil and #4 fuel) 10" Hg max.(#2 and lighter fuel) to prevent air separation from oil
Motor Speed	1725 rpm only
Required Motor HP	1/8 HP
Recommended inlet line length (Ft)	1/2" line 20' max, 3/4" line 90' max.
Lift (FT)	Waste oil & fuel equivalent to No. 4: 14" max. No. 2 & lighter fuel oil: 8' max.

Note: (**) Alternate nozzle ports do not have cutoff;
port line pressure depends on line restrictions, but will not
exceed the primary nozzle port pressure setting.