



**PUMP SPECIFICATIONS:**

PORT SIZE:	Inlet - 1/4-18 NPTF Nozzle - 1/8-27 NPTF		
FUEL:	Waste Oil, No. 4 & Lighter Fuel Oil ⚠ This product is not compatible with fuel blends containing more than 5% biodiesel.		
LIFT:	14' Maximum		
OPERATIONAL VACUUM :	20 in. Hg. Maximum - Waste Oil & Fuel Equivalent to No. 4 10 in. Hg. Maximum - No. 2 & Lighter Fuel Oil		
SPEED (RPM):	A2RA-7736 3450 / 1725	A2RA-7737 3450 / 1725	A1RA-7738 1725
TRANSFER RATING (GPH @ PSI):	2.5 @110 / 2.5@30*	2.5 @20 / 2.5 @20	2.5 @105
PRESSURE RANGE (PSI) REGULATOR:	100-150/*	10-20 / 10-20	100-150
FACTORYSET:	100/*	10 / 10	100
ACTUAL DELIVERY:	0-150 / 0-30+*	0-20 / 0-20	0-150
CUT OFF FUNCTION NOZZLE PORT:	Yes	No	Yes
ALTERNATIVE NOZZLE PORT:	No	No	No

\* Use alternate nozzle port for 1725 RPM. Actual pressure depends on discharge line restrictions but will not exceed 3450 RPM rating.

## INSTALLATION INSTRUCTIONS

### A. General:

Suntec's Model A2RA-7736 transfer pump should be installed in accordance with the National Board of Fire Underwriter's requirements and local ordinances where applicable.

### B. Piping:

All waste oil pumps are to be connected one pipe. The system may return excess fluid to tank after the fluid goes to a reservoir or siphon pick-up per typical tank installation figure. 1/2" or 3/4" line may be used with the following restrictions applying to the horizontal run (H) allowed:

#### Inlet

Line Size	Lift	Length (Lift and Run)
1/2" I.D.	0'	41'
1/2" I.D.	14'	20'
3/4" I.D.	0'	90'
3/4" I.D.	14'	48'

Line lengths based on straight weight automotive oils maintained at 50°F minimum, multi-weight oils maintained at 32°F minimum.

A 30 mesh secondary strainer is supplied in the unit. An external primary strainer must be supplied by the burner/furnace manufacturer upstream of the fuel unit. The strainer must comply with U.L. requirements.

NOTE: Model A2RA-7737 requires external shut-off valve.

### C. Pump Connections:

Install a vacuum gage in the inlet line close to the pump or in the unused inlet port. During operation, vacuum must not exceed the Operating Vacuum specified on the reverse under pump specifications.

### D. Priming Procedure:

Fill pump with clean room temperature oil thru inlet port, start pump and open bleed valve. Bleed pump for several minutes or until air free oil is observed flowing from bleed port.

