

WASTE OIL PUMPS

Waste oil pumps are designed to supply oil up to 1500 centistokes to remote tanks or heaters.

Line sizing listed below is calculated for multi-weight oils such as 10W-30W maintained at 32°F minimum, and straight-weight oils such as 40W, 50W, 90W and heavier gear lubes maintained at 50°F minimum.

Pump Model No.	RPM	Delivery Pressure	Flow GPH	Maximum Operating Vacuum	Horsepower	
					<1000CST	>1000CST
J3NBN-A132B	1725	20-40 psi	18 Max.	20 In. Hg.	1/6 HP	1/4 HP
A2RA-7736	1725	30 psi**	2.5 GPH	*	1/8 HP	1/8 HP
	3450	0-100 psi	2.5 GPH	*	1/7 HP	1/7 HP
A2RA-7737	1725	10-20 psi	2.5 GPH	*	1/8 HP	1/8 HP
	3450	10-20 psi	2.5 GPH	*	1/7 HP	1/7 HP
A1RA-7738	1725	100-150 psi	2.5 GPH	*	1/8 HP	1/8 HP

*20 In. Hg. for fuels more viscous than #2 fuel oil; 10 In. Hg. for #2 fuel oil and lighter.

**Use alternate nozzle port.

INLET OR SUPPLY LINES

Pump Model Number	Inlet Line Size I.D.	Inlet Line (L) Maximum
J3NBN-A132B	3/4 in.	20 ft.
J3NBN-A132B	1 in.	60 ft.
A2RA-7736 (7737, 7738)	1/2 in.	20 ft.
A2RA-7736 (7737, 7738)	3/4 in.	90 ft.

Waste oil pumps are designed for one-pipe or single-line installation. Do not install the by-pass plug. Do not use teflon tape. Use J.I.C. flare or pipe fittings only. Do not exceed 10 psi (manufacturer) or 3 psi (NFPA) when supplying to inlet of pumps. It can cause seal damage.

FILTERS

Waste oil pumps have an internal secondary 30 x 30 mesh strainer. An external primary 50 x 50 mesh strainer is required. This is supplied by the burner/furnace manufacturer. For transfer systems, this must be supplied by installer/user.

TYPICAL TANK INSTALLATIONS

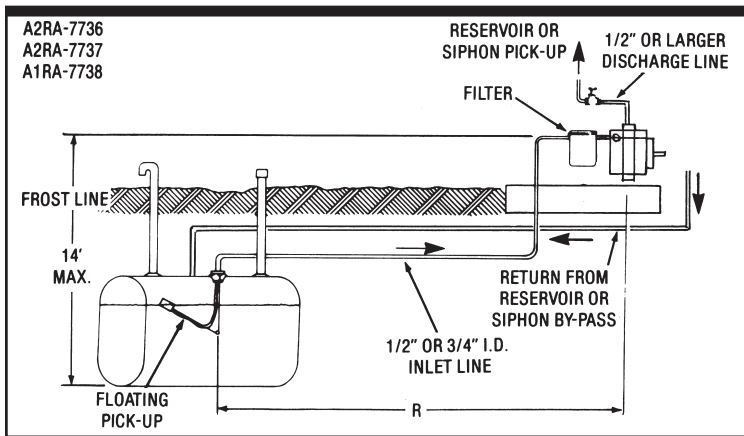


FIGURE 1 TYPICAL TANK INSTALLATION

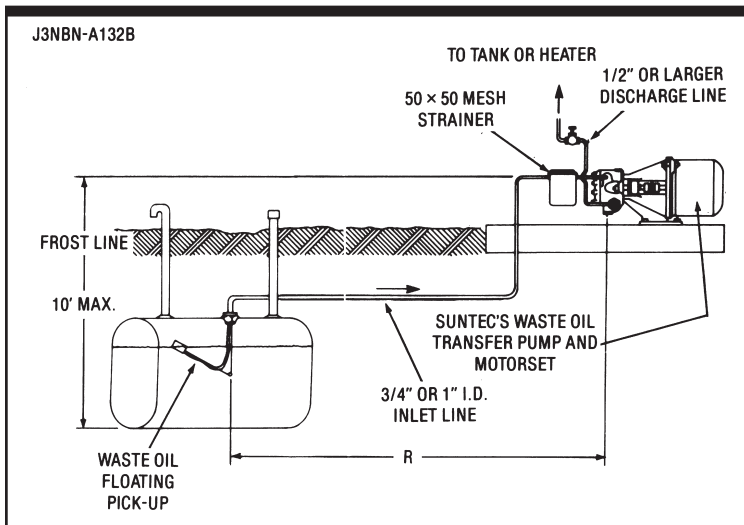


FIGURE 2 TYPICAL TANK INSTALLATION

Floating pickups are mandatory for all waste oil systems. They must be a comparable line size with the rest of the inlet line.

If ambient temperatures to oil supply lines are lower than recommended, strip heaters should be installed.