

Webster®

Bulletin 131-26558-11
November 2005

Installation and Operating Instructions

1R00 Series Single Stage Pumps Body Style C & D

OPERATION

The 1R00 Series pumps do not incorporate an internal regulating valve or filter. They are intended for transfer use up to 100 psi and must not be operated with blocked outlet. Use single pipe installation only and do not remove bypass plug. For maximum performance inlet vacuum, when measured at unused inlet port, should not exceed 10" Hg. Do not use less than 3.8" O.D. tubing for lines. Size per gearset capacity shown below:

Model Ratings for No. 2 fuel oil	100 PSI Rating	Gearset Capacity
1R003-4EH	31 GPH	48 GPH
1R004-4EH, 4EG	43 GPH	66 GPH
1R006-4EH	66 GPH	95 GPH

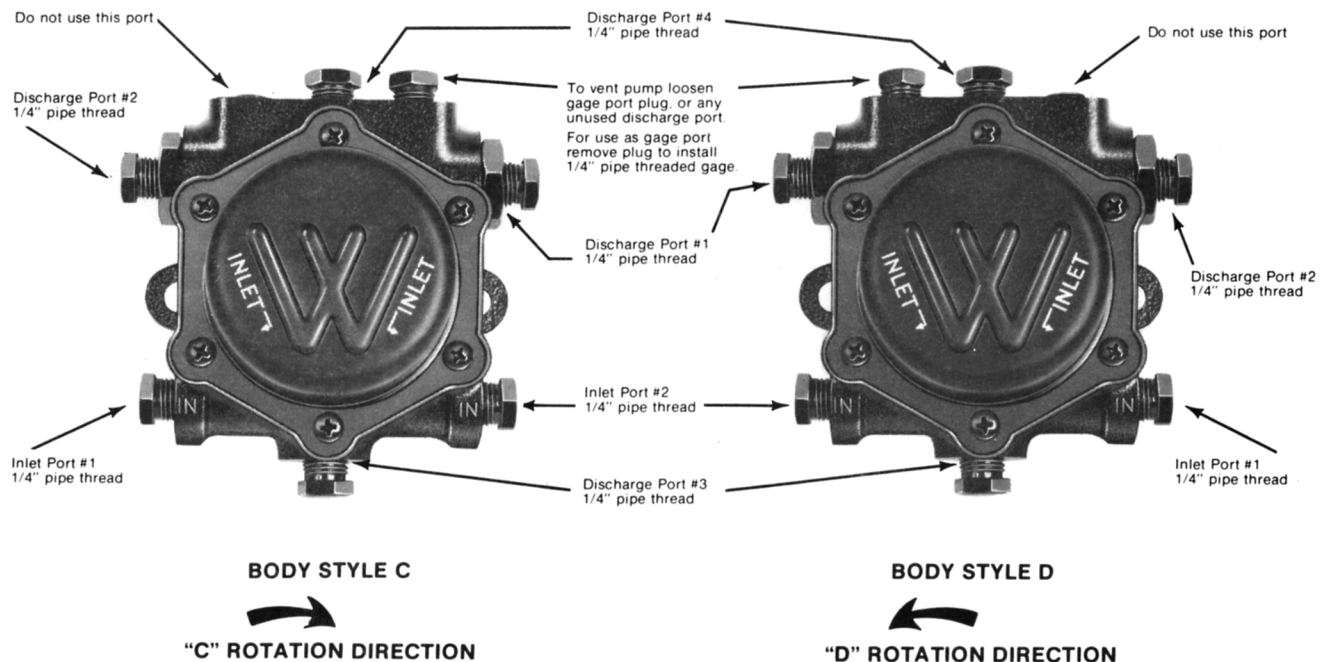
1R00 Series units are rated for 1725 RPM and may be hub or flange mounted. See Bulletin FU40-1. "R Series Fuel Units" for standard dimensions. Standard EH units have 1-7/8" shaft extension. EG units - 3-1/8" shaft extension, plus outboard ball bearing.

Note: To assure compliance with National Fire Protection Association's Bulletin 31, "Installation of Oil Burning Equipment," fuel unit inlet pressure should not exceed 3 psig.

INSTALLATION

1. Connect preferred inlet to tank through suitable line filter.
2. Connect preferred discharge port to external regulator or distribution system.
3. For initial priming it is desirable to loosen the gage port plug or any unused discharge port to bleed air from the supply line and pump. Tighten the plug securely when oil flows clear.
4. Be certain all plugs and connections are secure and leak-tight.

IMPORTANT: Use non-hardening oil pipe dope on threads of all fittings. Do not loosen or try to tighten any pump plugs not to be used in the installation. **Do no use teflon tape.** It tends to break, depositing small pieces in critical internal areas of pump. Therefore, use of teflon tape will void all warranties.



Webster® Fuel Pumps & Valves

219 Hahn Road • Frankfort, KY 40602 • (502) 223-0025 • Fax (502) 223-4629 • Toll Free (800) 766-1233