

EZ Oil Burner Manual Supplement

for  **WEIL-McLAIN** Boilers
UltraOil Series

Nozzle selection and burner settings

1. See table below for recommended oil nozzle selections and initial burner settings. Follow Burner Manual and Boiler Manual for installation of nozzle and correct head bar.
2. Where the table calls for an oil pump pressure other than as shipped, adjust the pump pressure to the setting shown, following pump manufacturer's instructions.

WARNING Installer/servicer — Except where specifically stated otherwise, this Supplement must be used only by a qualified service technician. Follow all guidelines in the Burner Manual and Boiler Manual. Failure to comply with this or other requirements in this manual could result in severe personal injury, death, or substantial property damage.

Your Carlin burner will come standard with a 21" L x 15" W refractory blanket. Please use table below to determine refractory size to trim accordingly.

Once you have trimmed blanket to the correct size for your application, place blanket on floor of boiler combustion chamber.

UO-3	14 x 15
UO-3	14 x 15
UO-4	18 x 15
*UO-5	21 x 15

*Supplied size (please trim for specific application)

Burner specifications and settings for Weil-McLain Ultra Oil Boilers

Boiler Model	Input	Burner Model	Air Tube & Flange		Air Band	Nozzle Specifications			Oil Pump Pressure	Air Shutter	Head Position	Air Band Setting
	GPH		Part No.	UTL		Size	Type	Manufacturer	PSIG		"Dimension A"	
UO-3	0.80	EZ-1HPW	50329	3 1/8	EZ-1HPW	0.65	60A	Delavan	150	Blank	0.60-0.65	0.60
UO-3*	1.00	EZ-1HPW	50329	3 1/8	EZ-1HPW	0.85	60A	Delavan	150	Blank	0.85-1.00	0.85
UO-4	1.20	EZ-1HPW	50329	3 1/8	EZ-1HPW	1.00	60B	Hago	150	Blank	0.85-1.00	1.00
UO-5	1.40	EZ-1HPW	50329	3 1/8	EZ-1HPW	1.10	60B	Hago	165	Blank	1.10-1.25	1.15

*Installed nozzle and settings

Additional nozzles packed separately. Please see table for proper nozzles, head bar, air setting and fuel unit pressure to ensure proper firing rate for the specific application.