



KNIGHT XL PUMP RECOMMENDATION TABLE



	Temperature Rise 20°F Δ T			Temperature Rise 25°F Δ T			Temperature Rise 30°F Δ T			Temperature Rise 35°F Δ T		
	Flow Rate	Head Loss	Pump	Flow Rate	Head Loss	Pump	Flow Rate	Head Loss	Pump	Flow Rate	Head Loss	Pump
Boiler KBN400	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001
	37.0	21.0		30.0	14.0		26.0	11.0		21.0	8.0	
Boiler KBN501	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001
	46.0	23.0		37.0	16.0		32.0	13.0		26.0	10.0	
Boiler KBN601	GPM	Ft/Hd	N/A	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001
	55.0	31.0		44.0	22.0		38.0	18.0		32.0	13.0	
Boiler KBN701	GPM	Ft/Hd	N/A	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001
	65.0	30.0		52.0	20.0		45.0	16.0		37.0	11.0	
Boiler KBN801	GPM	Ft/Hd	N/A	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001	GPM	Ft/Hd	PUM30001
	74.0	33.0		60.0	23.0		51.0	18.0		42.0	12.0	

This chart provides Pump recommendations for Knight XL boilers for the Boiler Loop / Space Heating piping.

Based on specific Temperature Rises, this chart includes calculated Gallon Per Minute flow rate, calculated Foot Head Loss and recommended Pump.

The GPM, Ft/Hd and Pump selection is based on Primary / Secondary Boiler Loop piping of maximum 20 feet of straight pipe, 4 - 90° elbows and 2 - full port ball valves.

See the Installation and Operation manual for more details including pipe diameters and piping diagrams.