

Maximum Flow Rate & Heat Carrying Capacity

Subject: Maximum Flow Rate & Heat Carrying Capacities of **PE RT**

Maximum Flow Rate & Heat Carrying Capacity Rule of Thumb

For Recommended Circulator Selection: Grundfos UP26-64 or Equivalent use table below.

PE RT PEOC Plus			Max. BTU/hr Capacity of Pipe		Flow Rate		Total Pipe Length Supply & Return Combined	
Tubing I.D. Dimensions	Tubing O.D. Dimensions		From	To	From	To	From	To
3/8"	1/2"	13 mm	7,500	15,000	.75 gpm	1.5 gpm	166 feet	68 feet
1/2"	5/8"	16 mm	20,000	40,000	2 gpm	4 gpm	160 feet	64 feet
5/8"	3/4"	19 mm	40,000	80,000	4 gpm	8 gpm	187 feet	63 feet
3/4"	7/8"	22 mm	70,000	140,000	7 gpm	14 gpm	285 feet	46 feet

For Recommended Circulator Selection: Grundfos UP 15-58 or Equivalent use table below.

PE RT PEOC Plus			Max. BTU/hr Capacity of Pipe		Flow Rate		Total Pipe Length Supply & Return Combined	
Tubing I.D. Dimensions	Tubing O.D. Dimensions		From	To	From	To	From	To
3/8"	1/2"	13 mm	7,500	15,000	.75 gpm	1.3 gpm	106 feet	45 feet
1/2"	5/8"	16 mm	20,000	40,000	2 gpm	4 gpm	103 feet	40 feet
5/8"	3/4"	19 mm	40,000	80,000	4 gpm	8 gpm	116 feet	32 feet
3/4"	7/8"	22 mm	70,000	140,000	7 gpm	14 gpm	170 feet	16 feet

Note: : Figures based on 180° average water temperature and a 20° temperature drop across system.