

**PARKER CONDENSING 205 TC SERIES HOT WATER BOILERS
PRESSURE DROP & FLOW RATE CHART**

Approximate GPM and Pressure Drop at Varying Temperature Rise Through Boiler										
Model	BTU Output in Thousands @ 95%	Δ20°F Max Flow Rec.		Δ30°F		Δ40°F		Δ100°F Min.Flow		Approx. Flow Rate, GPM @ 1 PSI Drop/Cv
		GPM	ft/head	GPM	ft/head	GPM	ft/head	GPM	ft/head	
TC150	535	54	5.0	35	3		1	11	<1	30
TC210	749	75	3.5	50	2	37	1	15	<1	55
TC270	964	96	4.1	64	3.5	48	2	19	<1	55
TC350	1249	125	4.5	83	3.5	63	2.3	25	1	63
TC450	1646	164	1.5	110	1	82	<1	33	<1	175
TC600	1900	190	1.5	127	1	95	<1	38	<1	220
TC800	2853	285	1.6	190	1.2	142	<1	57	<1	340
TC1000	3567	356	1.8	237	1	178	<1	71	<1	425
TC1250	4458	446	1.25	292	1	223	<1	89	<1	550
TC1450	5171	517	1.5	344	1.2	258	<1	103	<1	610

$$\text{FLOW RATE (GPM)} = \frac{\text{BTUH Output}}{8.33\text{-lbs/Gal.} \times 60\text{-min/hr.} \times \Delta T \text{ } ^\circ\text{F}}$$

NOTES:

- 1) System pump should run creating flow thru the boiler the entire time the boiler is being energized. When heat is no longer required, signal to boiler should be disconnected and pump should run for 5-15-minutes before being turned off.
- 2) These boilers are for closed system heating with no make up water.