

**Temperature Correlation Chart for BPCDs**  
*Place • Measure • Improve*

**Product Code:** BPCD-VLT3.5  
**Product Type:** BPCD Very Low Temperature  
**Temperature Range:** 770°C - 950°C

**Diameter:** 20mm  
**Nominal Thickness:** 3.5mm  
**Disc Colour:** Pink

Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C
20.00	770	19.70	827	19.40	859	19.09	891	18.79	922		
19.99	773	19.69	828	19.39	860	19.08	892	18.78	923		
19.98	777	19.68	829	19.38	861	19.07	893	18.77	924		
19.97	781	19.67	830	19.36	863	19.06	894	18.76	925		
19.96	785	19.66	831	19.35	864	19.05	895	18.75	926		
19.95	788	19.65	832	19.34	865	19.04	896	18.74	927		
19.94	791	19.64	833	19.33	867	19.03	897	18.73	928		
19.93	794	19.63	834	19.32	868	19.02	898	18.72	929		
19.92	796	19.62	835	19.31	869	19.01	900	18.71	930		
19.91	798	19.61	836	19.30	870	19.00	901	18.70	931		
19.90	799	19.60	837	19.29	871	18.99	902	18.69	933		
19.89	801	19.59	839	19.28	872	18.98	903	18.68	934		
19.88	803	19.58	840	19.27	873	18.97	904	18.67	935		
19.87	805	19.57	841	19.26	874	18.96	905	18.66	936		
19.86	807	19.56	842	19.25	875	18.95	906	18.65	938		
19.85	808	19.55	843	19.24	876	18.94	907	18.64	939		
19.84	810	19.54	844	19.23	877	18.93	908	18.63	940		
19.83	811	19.53	845	19.22	878	18.92	909	18.62	942		
19.82	812	19.52	846	19.21	879	18.91	910	18.61	943		
19.81	813	19.51	847	19.20	880	18.90	911	18.60	944		
19.80	815	19.50	848	19.19	881	18.89	912	18.59	946		
19.79	816	19.49	849	19.18	882	18.88	913	18.58	948		
19.78	818	19.48	851	19.17	883	18.87	914	18.57	950		
19.77	819	19.47	852	19.16	884	18.86	915				
19.76	820	19.46	853	19.15	885	18.85	916				
19.75	821	19.45	854	19.14	886	18.84	917				
19.74	822	19.44	855	19.13	887	18.83	918				
19.73	823	19.43	856	19.12	888	18.82	919				
19.72	824	19.42	857	19.11	889	18.81	920				
19.71	825	19.41	858	19.10	890	18.80	921				

**NOTES**

- 1) Bullers™ Process Control Discs (BPCDs) are specially manufactured to react to 'Heat Work' or 'Heat Energy' rather than temperature alone. 'Heat Work' is the effect of temperature, time and kiln loading on a ceramic product.
- 2) 'Disc Temperature' referred to in the above Temperature Correlation Chart is only **approximate** and acts as a guide to a kiln's peak firing temperature. 'Disc Temperature' is an easy and useful way to compare against historical results but is not necessarily the same as the actual kiln temperature.
- 3) Mantec Technical Ceramics recommend that customers always describe their kiln firings in terms of 'Disc Diameter' rather than 'Disc Temperature' in order to avoid confusion with true kiln temperatures measured by thermocouples.
- 4) Due to differing firing rates, soak times, air flow, kiln loadings and kiln atmospheres, the actual performance of BPCDs, when used by the customer, may be different from the above Temperature Correlation Chart, which Mantec Technical Ceramics have determined under strictly controlled firing conditions.

