

Linear PHD 2.0 Panel with valve



Features



- Brackets included
- Blind cap and air vent included
- Preset valve included

All Linear PHD 2.0 Panels are fitted as standard with the kit for energy saving low temperature operation with preferential heat diffusion, and preset thermostatic valve.

Technical characteristics

- Working pressure 10 bar
- Test pressure 13 bar
- Maximum operating temperature 110 °C

Standard equipment

- Bottom connector 50mm tappings centre, 3/4" outside thread
- 2 x 1/2" connections, internal thread on opposite side of the thermostatic insert with:
 - 1 x 1/2" blind cap provided, mounted
 - 1 x 1/2" vent plug provided, mounted
- Superior grid
- Lateral side
- Supports
 - All models have welded back supports
- Supplied with preset thermostatic valve on the right; Linear panels can be supplied with the insert on the left side (see order code modification) – PHD Radiators are not symmetrical.
- The thermostatic head must be ordered separately

Connection

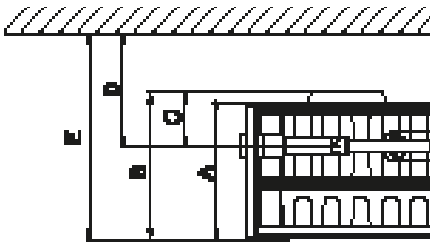
- Linear PHD 2.0 panels can be connected to either a one-pipe or two-pipe installation with a distributor with 50mm tappings centre. The water outlet must always be connected to the inner connection of the connector with 50mm tappings centre.
- For connection to both two-pipe and one-pipe installations, a distributor is required and must be specifically ordered (see Linear Thermostatic radiators Accessories page for the range of Distributors available).

Optional

Brackets and optional accessories are available on dedicated pages.

Safety

- Compact radiators cannot be inverted around any of the three axes.
- The sides of radiators are fastened with screws, safer than the interlocking system adopted on other panel radiators.

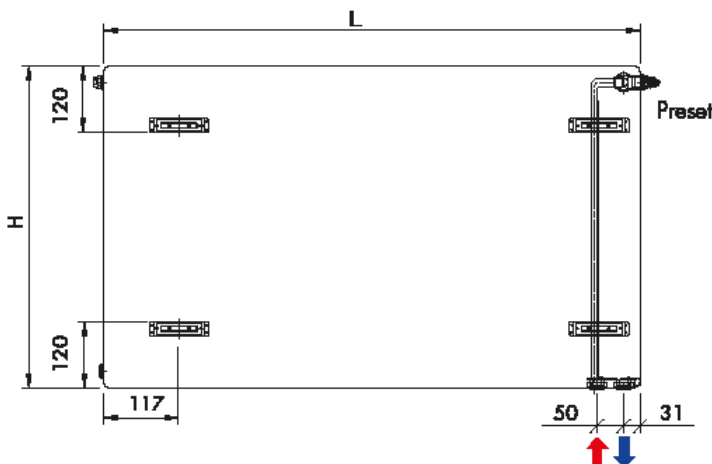


		Dimensions				
		10	20	21	22	33
panel depth - excluding back supports	A	64	67	86	101	158
total depth - from the back of the support to the front panel**	B	64	76	95	110	167
distance from the back support to the connection	C	-	42	52	59	59
distance from wall to the centre of the connection (mounting the radiators on the GB brackets)*	D	34	57/65	67/75	74/82	74/82
total distance from the wall to the front panel (mounting the radiators on the GB brackets)*	E	69	90/98	109/117	124/132	181/189

* The total distance varies according to whether the GB bracket is mounted in position A or position B (choice of depth), model 10 mounted on D30 brackets

** Calculating the total size of the panel (from the wall to the front panel) with the chosen wall brackets: the useful length of the chosen bracket must be added to this measurement (see brackets page).

Front view



Upper view



Height (H) 300

		10			20			21			22			33		
Width (mm)		64			67			86			101			158		
Exponent (n)		1,301			1,327			1,244			1,292			1,288		
Length (mm)		Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	
		75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20
		W	W	W	W	W	W	W	W	W	W	W	W	W	W	
400	Power	112	90	58	198	160	101	306	250	162	383	310	198	565	458	293
	Code	0182103212			0H82203212			0H82213212			0H82223212			0H82333212		
500	Power	140	113	72	248	200	126	382	312	202	479	388	247	707	572	366
	Code	0182103215			0H82203215			0H82213215			0H82223215			0H82333215		
600	Power	167	136	86	298	240	151	459	375	243	574	465	296	848	687	439
	Code	0182103218			0H82203218			0H82213218			0H82223218			0H82333218		
700	Power	195	158	101	347	280	176	535	437	283	670	543	346	989	801	512
	Code	0182103221			0H82203221			0H82213221			0H82223221			0H82333221		
800	Power	223	181	115	397	320	202	611	499	324	766	620	395	1130	916	586
	Code	0182103224			0H82203224			0H82213224			0H82223224			0H82333224		
900	Power	251	203	130	446	360	227	688	562	364	861	698	445	1272	1030	659
	Code	0182103227			0H82203227			0H82213227			0H82223227			0H82333227		
1.000	Power	279	226	144	496	400	252	764	624	405	957	775	494	1413	1145	732
	Code	0182103230			0H82203230			0H82213230			0H82223230			0H82333230		
1.100	Power	307	249	158	546	440	277	841	687	445	1053	853	543	1554	1259	805
	Code	0182103233			0H82203233			0H82213233			0H82223233			0H82333233		
1.200	Power	335	271	173	595	480	302	917	749	486	1148	930	593	1696	1373	878
	Code	0182103236			0H82203236			0H82213236			0H82223236			0H82333236		
1.400	Power	391	316	202	694	560	353	1070	874	567	1340	1085	692	1978	1602	1025
	Code	0182103242			0H82203242			0H82213242			0H82223242			0H82333242		
1.600	Power	446	362	230	794	640	403	1223	999	648	1531	1241	790	2261	1831	1171
	Code	0182103248			0H82203248			0H82213248			0H82223248			0H82333248		
1.800	Power	502	407	259	893	720	454	1376	1124	728	1723	1396	889	2543	2060	1318
	Code	0182103254			0H82203254			0H82213254			0H82223254			0H82333254		
2.000	Power	558	452	288	992	800	504	1528	1249	809	1914	1551	988	2826	2289	1464
	Code	0182103260			0H82203260			0H82213260			0H82223260			0H82333260		
2.300	Power	642	520	331	1141	919	580	1758	1436	931	2201	1783	1136	3250	2633	1684
	Code	0182103269			0H82203269			0H82213269			0H82223269			0H82333269		
2.600	Power	725	588	374	1290	1039	655	1987	1623	1052	2488	2016	1284	3674	2976	1903
	Code	0182103278			0H82203278			0H82213278			0H82223278			0H82333278		
3.000	Power	837	678	432	1488	1199	756	2293	1873	1214	2871	2326	1482	4239	3434	2196
	Code	0182103290			0H82203290			0H82213290			0H82223290			0H82333290		

For the valve on the left side, you have to turn the third-last number from 2 to 4.

Height (H) 400

		10			20			21			22			33		
Width (mm)		64			67			86			101			158		
Exponent (n)		1,315			1,297			1,252			1,294			1,295		
Length (mm)		Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	
		75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20
		W	W	W	W	W	W	W	W	W	W	W	W	W	W	
400	Power	138	111	70	254	206	131	382	311	201	478	387	247	696	565	360
	Code	0182104212			0H82204212			0H82214212			0H82224212			0H82334212		
500	Power	172	139	88	318	258	164	477	389	251	597	484	309	871	706	450
	Code	0182104215			0H82204215			0H82214215			0H82224215			0H82334215		
600	Power	206	167	106	382	309	197	572	467	302	716	581	370	1045	847	540
	Code	0182104218			0H82204218			0H82214218			0H82224218			0H82334218		
700	Power	241	194	123	445	361	230	668	545	352	836	678	432	1219	988	630
	Code	0182104221			0H82204221			0H82214221			0H82224221			0H82334221		
800	Power	275	222	141	509	412	262	763	623	402	955	774	494	1393	1130	719
	Code	0182104224			0H82204224			0H82214224			0H82224224			0H82334224		
900	Power	310	250	158	572	464	295	859	700	453	1075	871	555	1567	1271	809
	Code	0182104227			0H82204227			0H82214227			0H82224227			0H82334227		
1.000	Power	344	278	176	636	515	328	954	778	503	1194	968	617	1412	899	1.379
	Code	0182104230			0H82204230			0H82214230			0H82224230			0H82334230		
1.100	Power	378	305	194	700	567	361	1049	856	553	1313	1065	679	1915	1553	989
	Code	0182104233			0H82204233			0H82214233			0H82224233			0H82334233		
1.200	Power	413	333	211	763	618	394	1145	934	604	1433	1161	740	2089	1694	1079
	Code	0182104236			0H82204236			0H82214236			0H82224236			0H82334236		
1.400	Power	482	389	246	890	721	459	1335	1089	704	1672	1355	864	2437	1977	1259
	Code	0182104242			0H82204242			0H82214242			0H82224242			0H82334242		
1.600	Power	550	444	282	1018	824	525	1526	1245	805	1910	1549	987	2786	2259	1439
	Code	0182104248			0H82204248			0H82214248			0H82224248			0H82334248		
1.800	Power	619	500	317	1145	927	590	1717	1401	905	2149	1742	1111	3134	2541	1619
	Code	0182104254			0H82204254			0H82214254			0H82224254			0H82334254		
2.000	Power	688	555	352	1272	1030	656	1908	1556	1006	2388	1936	1234	3482	2824	1799
	Code	0182104260			0H82204260			0H82214260			0H82224260			0H82334260		
2.300	Power	791	638	405	1463	1185	754	2194	1790	1157	2746	2226	1419	4004	3247	2068
	Code	0182104269			0H82204269			0H82214269			0H82224269			0H82334269		
2.600	Power	894	722	458	1654	1339	853	2480	2023	1308	3104	2517	1604	4527	3671	2338
	Code	0182104278			0H82204278			0H82214278			0H82224278			0H82334278		
3.000	Power	1032	833	528	1908	1545	984	2862	2335	1509	3582	2904	1851	5223	4236	2698
	Code	0182104290			0H82204290			0H82214290			0H82224290			0H82334290		

For the valve on the left side, you have to turn the third-last number from 2 to 4.

Height (H) 500

		10			20			21			22			33		
Width (mm)		64			67			86			101			158		
Exponent (n)		1,329			1,266			1,261			1,296			1,301		
Length (mm)		Output 75/65-20	Output 70/55-20	Output 55/45-20	Output 75/65-20	Output 70/55-20	Output 55/45-20	Output 75/65-20	Output 70/55-20	Output 55/45-20	Output 75/65-20	Output 70/55-20	Output 55/45-20	Output 75/65-20	Output 70/55-20	Output 55/45-20
		W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
400	Power	165	133	84	307	250	161	456	371	239	569	462	294	823	666	423
	Code	0182105212			0H82205212			0H82215212			0H82225212			0H82335212		
500	Power	207	166	105	384	313	201	570	464	299	712	577	367	1029	833	529
	Code	0182105215			0H82205215			0H82215215			0H82225215			0H82335215		
600	Power	248	200	125	461	375	241	684	557	359	854	692	441	1029	833	529
	Code	0182105218			0H82205218			0H82215218			0H82225218			0H82335218		
700	Power	289	233	146	538	438	281	798	650	419	996	808	514	1441	1166	741
	Code	0182105221			0H82205221			0H82215221			0H82225221			0H82335221		
800	Power	330	266	167	614	500	322	912	743	479	1138	923	588	1646	1332	847
	Code	0182105224			0H82205224			0H82215224			0H82225224			0H82335224		
900	Power	372	299	188	691	563	362	1026	836	539	1281	1038	661	1852	1499	953
	Code	0182105227			0H82205227			0H82215227			0H82225227			0H82335227		
1.000	Power	413	333	209	768	625	402	1140	928	598	1423	1154	735	2058	1666	1059
	Code	0182105230			0H82205230			0H82215230			0H82225230			0H82335230		
1.100	Power	454	366	230	845	688	442	1254	1021	658	1565	1269	808	2264	1832	1165
	Code	0182105233			0H82205233			0H82215233			0H82225233			0H82335233		
1.200	Power	496	399	251	922	750	482	1368	1114	718	1708	1385	882	2470	1999	1270
	Code	0182105236			0H82205236			0H82215236			0H82225236			0H82335236		
1.400	Power	578	466	293	1075	876	563	1596	1300	838	1992	1615	1028	2881	2332	1482
	Code	0182105242			0H82205242			0H82215242			0H82225242			0H82335242		
1.600	Power	661	532	334	1229	1001	643	1824	1486	957	2277	1846	1175	3293	2665	1694
	Code	0182105248			0H82205248			0H82215248			0H82225248			0H82335248		
1.800	Power	743	599	376	1382	1126	724	2051	1671	1077	2561	2077	1322	3704	2998	1906
	Code	0182105254			0H82205254			0H82215254			0H82225254			0H82335254		
2.000	Power	826	665	418	1536	1251	804	2279	1857	1197	2846	2308	1469	4116	3331	2117
	Code	0182105260			0H82205260			0H82215260			0H82225260			0H82335260		
2.300	Power	950	765	481	1766	1438	925	2621	2136	1376	3273	2654	1690	4733	3831	2435
	Code	0182105269			0H82205269			0H82215269			0H82225269			0H82335269		
2.600	Power	1074	865	543	1997	1626	1045	2963	2414	1556	3700	3000	1910	5351	4330	2752
	Code	0182105278			0H82205278			0H82215278			0H82225278			0H82335278		
3.000	Power	1239	998	627	2304	1876	1206	3419	2785	1795	4269	3461	2204	6174	4997	3176
	Code	0182105290			0H82205290			0H82215290			0H82225290			0H82335290		

For the valve on the left side, you have to turn the third-last number from 2 to 4.

Height (H) 600

		10			20			21			22			33		
Width (mm)		64			67			86			101			158		
Exponent (n)		1,343			1,236			1,269			1,298			1,307		
Length (mm)		Output 75/65-20	Output 70/55-20	Output 55/45-20	Output 75/65-20	Output 70/55-20	Output 55/45-20	Output 75/65-20	Output 70/55-20	Output 55/45-20	Output 75/65-20	Output 70/55-20	Output 55/45-20	Output 75/65-20	Output 70/55-20	Output 55/45-20
		W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
400	Power	195	157	98	358	292	190	530	466	277	659	534	340	949	766	486
	Code	0182106212			0H82206212			0H82216212			0H82226212			0H82336212		
500	Power	244	196	123	447	366	238	662	583	346	824	668	425	1186	957	607
	Code	0182106215			0H82206215			0H82216215			0H82226215			0H82336215		
600	Power	293	236	148	536	439	285	795	700	415	988	801	510	1423	1149	729
	Code	0182106218			0H82206218			0H82216218			0H82226218			0H82336218		
700	Power	342	275	172	626	512	333	927	816	485	1153	935	595	1660	1340	850
	Code	0182106221			0H82206221			0H82216221			0H82226221			0H82336221		
800	Power	390	314	197	715	585	380	1060	933	554	1318	1068	680	1898	1532	972
	Code	0182106224			0H82206224			0H82216224			0H82226224			0H82336224		
900	Power	439	353	221	805	658	428	1192	1049	623	1482	1202	765	2135	1723	1093
	Code	0182106227			0H82206227			0H82216227			0H82226227			0H82336227		
1.000	Power	488	393	246	894	731	475	1325	1166	692	1647	1335	850	2372	1915	1215
	Code	0182106230			0H82206230			0H82216230			0H82226230			0H82336230		
1.100	Power	537	432	271	983	804	523	1457	1283	762	1812	1469	935	2609	2106	1336
	Code	0182106233			0H82206233			0H82216233			0H82226233			0H82336233		
1.200	Power	586	471	295	1073	877	570	1589	1399	831	1976	1603	1020	2846	2298	1457
	Code	0182106236			0H82206236			0H82216236			0H82226236			0H82336236		
1.400	Power	683	550	344	1252	1024	665	1854	1632	969	2306	1870	1190	3321	2681	1700
	Code	0182106242			0H82206242			0H82216242			0H82226242			0H82336242		
1.600	Power	781	628	394	1430	1170	760	2119	1866	1108	2635	2137	1360	3795	3064	1943
	Code	0182106248			0H82206248			0H82216248			0H82226248			0H82336248		
1.800	Power	878	707	443	1609	1316	855	2384	2099	1246	2965	2404	1530	4270	3447	2186
	Code	0182106254			0H82206254			0H82216254			0H82226254			0H82336254		
2.000	Power	976	785	492	1788	1462	950	2649	2332	1385	3294	2671	1700	4744	3830	2429
	Code	0182106260			0H82206260			0H82216260			0H82226260			0H82336260		
2.300	Power	1122	903	566	2056	1682	1093	3046	2682	1593	3788	3072	1954	5456	4404	2793
	Code	0182106269			0H82206269			0H82216269			0H82226269			0H82336269		
2.600	Power	1269	1021	640	2324	1901	1235	3444	3032	1800	4.109	3.533	3.318	6167	4978	3158
	Code	0182106278			0H82206278			0H82216278			0H82226278			0H82336278		
3.000	Power	1464	1178	738	2682	2193	1425	3974	3498	2077	4941	4006	2549	7116	5744	3644
	Code	0182106290			0H82206290			0H82216290			0H82226290			0H82336290		

For the valve on the left side, you have to turn the third-last number from 2 to 4.

Height (H) 700

		10			20			21			22			33		
Width (mm)		64			67			86			101			158		
Exponent (n)		1,307			1,250			1,276			1,309			1,316		
Lenght (mm)		Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	
		75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20
		W	W	W	W	W	W	W	W	W	W	W	W	W	W	
400	Power	229	185	117	405	331	214	604	491	315	747	605	383	1074	867	548
	Code	0182107212			0H82207212			0H82217212			0H82227212			0H82337212		
500	Power	286	231	147	507	413	268	755	614	393	934	756	479	1343	1084	685
	Code	0182107215			0H82207215			0H82217215			0H82227215			0H82337215		
600	Power	343	277	176	608	496	321	906	736	472	1121	907	575	1611	1301	823
	Code	0182107218			0H82207218			0H82217218			0H82227218			0H82337218		
700	Power	400	324	205	709	579	375	1057	859	551	1308	1058	671	1880	1518	960
	Code	0182107221			0H82207221			0H82217221			0H82227221			0H82337221		
800	Power	458	370	235	810	661	428	1208	982	629	1494	1210	767	2148	1734	1097
	Code	0182107224			0H82207224			0H82217224			0H82227224			0H82337224		
900	Power	515	416	264	912	744	482	1359	1105	708	1681	1361	863	2417	1951	1234
	Code	0182107227			0H82207227			0H82217227			0H82227227			0H82337227		
1.000	Power	572	462	293	1013	827	535	1510	1227	787	1868	1512	958	2685	2168	1371
	Code	0182107230			0H82207230			0H82217230			0H82227230			0H82337230		
1.100	Power	629	509	323	1114	909	589	1661	1350	865	2055	1663	1054	2954	2385	1508
	Code	0182107233			0H82207233			0H82217233			0H82227233			0H82337233		
1.200	Power	686	555	352	1216	992	642	1812	1473	944	2242	1814	1150	3222	2602	1645
	Code	0182107236			0H82207236			0H82217236			0H82227236			0H82337236		
1.400	Power	801	647	411	1418	1157	749	2114	1718	1102	2615	2117	1342	3759	3035	1919
	Code	0182107242			0H82207242			0H82217242			0H82227242			0H82337242		
1.600	Power	915	740	469	1621	1323	856	2416	1964	1259	2989	2419	1534	4296	3469	2193
	Code	0182107248			0H82207248			0H82217248			0H82227248			0H82337248		
1.800	Power	1030	832	528	1823	1488	963	2718	2209	1416	3362	2722	1725	4833	3902	2468
	Code	0182107254			0H82207254			0H82217254			0H82227254			0H82337254		
2.000	Power	1144	925	587	2026	1653	1070	3020	2454	1574	3736	3024	1917	5370	4336	2742
	Code	0182107260			0H82207260			0H82217260			0H82227260			0H82337260		
2.300	Power	1316	1063	675	2330	1901	1231	3473	2823	1810	4296	3478	2204	6176	4986	3153
	Code	0182107269			0H82207269			0H82217269			0H82227269			0H82337269		
2.600	Power	1487	1202	762	2634	2149	1391	3926	3191	2046	4857	3931	2492	6981	5637	3564
	Code	0182107278			0H82207278			0H82217278			0H82227278			0H82337278		
3.000	Power	1716	1387	880	3039	2480	1605	4530	3682	2360	5604	4536	2875	8055	6504	4113
	Code	0182107290			0H82207290			0H82217290			0H82227290			0H82337290		

For the valve on the left side, you have to turn the third-last number from 2 to 4.

Height (H) 900

		10			20			21			22			33		
Width (mm)		64			67			86			101			158		
Exponent (n)		1,235			1,278			1,303			1,331			1,333		
Lenght (mm)		Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	
		75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20	75/65-20	70/55-20	55/45-20
		W	W	W	W	W	W	W	W	W	W	W	W	W	W	
400	Power	307	251	163	494	401	257	756	654	388	922	744	468	1327	1068	672
	Code	0182109212			0H82209212			0H82219212			0H82229212			0H82339212		
500	Power	384	314	204	617	501	321	945	817	484	1153	930	585	1659	1335	839
	Code	0182109215			0H82209215			0H82219215			0H82229215			0H82339215		
600	Power	460	376	245	740	602	385	1134	980	581	1384	1116	702	1991	1602	1007
	Code	0182109218			0H82209218			0H82219218			0H82229218			0H82339218		
700	Power	537	439	286	864	702	449	1323	1144	678	1614	1302	819	2323	1870	1175
	Code	0182109221			0H82209221			0H82219221			0H82229221			0H82339221		
800	Power	614	502	326	987	802	514	1512	1307	775	1845	1488	936	2654	2137	1343
	Code	0182109224			0H82209224			0H82219224			0H82229224			0H82339224		
900	Power	690	564	367	1111	902	578	1701	1471	872	2075	1675	1053	2986	2404	1511
	Code	0182109227			0H82209227			0H82219227			0H82229227			0H82339227		
1.000	Power	767	627	408	1234	1003	642	1890	1634	969	2306	1861	1170	3318	2671	1679
	Code	0182109230			0H82209230			0H82219230			0H82229230			0H82339230		
1.100	Power	844	690	449	1357	1103	706	2079	1797	1066	2537	2047	1287	3650	2938	1847
	Code	0182109233			0H82209233			0H82219233			0H82229233			0H82339233		
1.200	Power	920	753	490	1481	1203	770	2268	1961	1163	2767	2233	1404	3982	3205	2015
	Code	0182109236			0H82209236			0H82219236			0H82229236			0H82339236		
1.400	Power	1074	878	571	1728	1404	899	2646	2288	1357	3228	2605	1638	4645	3739	2350
	Code	0182109239			0H82209242			0H82219242			0H82229242			0H82339242		
1.600	Power	1227	1003	653	1974	1604	1027	3024	2614	1550	3690	2977	1873	5309	4273	2686
	Code	0182109242			0H82209248			0H82219248			0H82229248			0H82339248		
1.800	Power	1381	1129	734	2221	1805	1156	3402	2941	1744	4151	3349	2107	5972	4807	3022
	Code	0182109254			0H82209254			0H82219254			0H82229254			0H82339254		
2.000	Power	1534	1254	816	2468	2005	1284	3780	3268	1938	4612	3721	2341	6636	5342	3358
	Code	0182109260			0H82209260			0H82219260			0H82229260			0H82339260		
2.300	Power	1764	1442	938	2838	2306	1477	4347	3758	2229	5304	4279	2692	7631	6143	3861
	Code	0182109269			0H82209269			0H82219269			0H82229269			0H82339269		
2.600	Power	1994	1631	1061	3208	2607	1669	4914	4248	2519	5996	4838	3043	8627	6944	4365
	Code	0182109278			0H82209278			0H82219278			0H82229278			0H82339278		
3.000	Power	2301	1881	1224	3702	3008	1926	5670	4902	2907	6918	5582	3511	9954	8012	5036
	Code	0182109290			0H82209290			0H82219290			0H82229290			0H82339290		

For the valve on the left side, you have to turn the third-last number from 2 to 4.