

Rain Master K and Offset Value For Data Industrial Flow Sensors

CALIBRATION TABLE - TEE MOUNTED SENSORS (Current Production Models)
(Series: 228PV, 228BR, 228CB, 228CS, 228SS, 250BR)

Data Industrial Model	Apparent ID	Evolution Satellite K Value	Evolution Satellite Offset	Min Design Flow (GPM)	Max Design Flow (GPM)
228PV-1.5	1.50	457	0	5	100
228PV-2	1.94	776	104	10	200
228PV-3	4.02	2268	483	20	300
228PV-4	5.15	3752	834	40	500
228BR-2	1.99	750	0	10	100
228BR-2.5	2.52	1021	370	16	160
228CB-2	2.07	777	199	12	120
150 PSI Tee	2.07	777	199	12	120
400 PSI Tee	2.10	711	167	12	120
228CB-2.5	2.51	1021	265	16	160
228CS-2	2.07	767	199	12	120
228SS-2	1.99	750	0	10	100
250BR-0.5	None	92	8	0.8	8
250BR-0.75	None	119	64	1	10
250BR-1	1.05	109	27	2	40
250BR-1.25	1.38	209	32	3	60
250BR-1.5	1.61	291	24	4	80

Rain Master K and Offset Value For Data Industrial Flow Sensors OBSOLETE OR OLDER MODEL FLOW SENSORS

(Series: 220P, 228B, 228CB, 250B, 228PF, 228PD, 228CS, 228SS, *IR220P, IR228B, IR228CB, IR250B, IR228CS, IR228SS)

Data Industrial Model	Apparent ID	Evolution Satellite K Value	Evolution Satellite Offset	Min Design Flow (GPM)	Max Design Flow (GPM)	Minimum Recommended Full Scale (GPM)
220P-1	0.96/FM-92D	70	25	2	20	5
220P-1.5	1.50/FM-92D	505	107	8	180	40
220P-2	194/FM-92D	744	273	13	250	50
220P-3	4.02/Any	2268	483	35	700	160
220P-4A	5.15/Any	4191	975	65	1200	300
220P-6A						
228PD-1	0.96/FM-92D	70	26	2	20	5
228PD-1.5	1.50/FM-92D	505	107	8	180	40
228PD-2	1.94/FM-92D	744	273	13	250	50
228PF-1.5	1.71	569	279			
228PF-2	2.21	1075	185			
228PF-3	2.98	1512	841			
228PF-4	2.99	2814	1911			
228PF-6A						
228B-2	1.99/FM-92D	750	0	10	250	50
228B-2.5	2.52	1022	370	16	400	75
228CB-2	2.07/FM-92D	767	198	12	250	50
150 PSI Tee	2.07/FM-93A					
400 PSI Tee	2.10/FM-91D	711	167	12	250	50
228CB-2.5	2.51	1021	265	16	400	75
228CS-2	2.07/FM-92D, FM-93A	767	198	12	250	50
228SS-2	1.99/FM-92D	750	0	10	250	50
250B-1	1.05/FM-93A	113	47	2	45	8
250B-1.25	1.38/FM-93A	209	32	3	90	15
250B-1.5	1.61/FM-93A	291	24	4	100	20

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Pipe Size	Pipe O.D. in Inches	Pipe I.D. in Inches	Evolution Satellite K Value	Evolution Satellite Offset	Min. Flow in GPM	Min. Flow in GPM for Full Scale
3 inch Sch 10S	3.5	3.260	1368	115	12	400
Std. Wt. Sch 40	3.5	3.068	1191	70	12	400
Ex. Strong Sch 80	3.5	2.900	1053	42	12	400
PVC Class 125	3.5	3.284	1391	121	12	400
PVC Class 160	3.5	3.230	1338	107	12	400
PVC Class 200	3.5	3.166	1278	91	12	400
4 inch Sch 10S	4.5	4.260	2620	592	20	600
Std. Wt. Sch 40	4.5	4.026	2277	489	20	600
Ex. Strong Sch 80	4.5	3.826	2008	354	20	600
PVC Class 125	4.5	4.224	2565	577	20	600
PVC Class 160	4.5	4.072	2361	554	20	600
PVC Class 200	4.5	4.072	2342	525	20	600
5 inch 10S	5.563	5.295	4451	1044	30	900
Std. Wt. Sch 40	5.50	5.047	4006	932	30	900
Ex. Strong Sch 80	5.50	4.813	3594	829	30	900
6 inch 10S	6.625	6.357	6576	1603	50	1500
Std. Wt. Sch 40	6.5	6.065	5890	1419	50	1500
Ex. Strong Sch 80	6.5	5.761	5312	1265	50	1500
PVC Class 125	6.625	6.217	6239	1509	50	1500
PVC Class 160	6.625	6.115	5997	1445	50	1500
PVC Class 200	6.625	5.993	5752	1381	50	1500
8 inch Sch 10S	8.625	8.329	11989	3215	80	2500
Sch 20	8.625	8.125	11371	3018	80	2500
Sch 30	8.625	8.071	11210	2975	80	2500
Std. Wt. Sch 40	8.625	7.981	10943	2884	80	2500
Sch 60	8.625	7.813	10453	2735	80	2500
Ex. Strong Sch 80	8.625	7.625	9914	2566	80	2500
PVC Class 125	8.625	8.095	11281	2994	80	2500
PVC Class 160	8.625	7.961	10884	2868	80	2500
PVC Class 200	8.625	7.805	10429	2729	80	2500
10 inch Sch 10S	10.75	10.420	19163	5768	125	4000
Sch 20	10.75	10.250	18473	5509	125	4000
Sch 30	10.75	10.136	18037	5345	125	4000

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Std. Wt. Sch 40	10.75	10.020	17622	5187	125	4000
Ex. Strong Sch 60	10.75	9.750	16657	4827	125	4000
Sch 80	10.75	9.564	16010	4594	125	4000
PVC Class 125	10.75	10.088	17863	5276	125	4000
PVC Class 160	10.75	9.924	17273	5054	125	4000
PVC Class 200	10.75	9.728	16580	4804	125	4000
12 inch 10S	12.75	12.390	28566	9831	175	5000
Sch 20	12.75	12.250	27997	9556	175	5000
Sch 30	12.75	12.090	27122	9156	175	5000
Std. Wt. Sch 40S	12.75	12.000	26638	8943	175	5000
Sch 40	12.75	11.938	26309	8783	175	5000
Sch 60	12.75	11.625	24690	8057	175	5000
Extra Strong	12.74	11.750	25328	8336	175	5000
Sch 80	12.75	11.376	23457	7523	175	5000
PVC Class 125	12.75	11.966	26457	8857	175	5000
PVC Class 160	12.75	11.770	25430	8394	175	5000
PVC Class 200	12.75	11.538	24254	7869	175	5000
14 inch 10S	14.00	13.500	33390	12242	200	6000
Sch 20	14.00	13.375	32819	11941	200	6000
Std. Wt. Sch 30	14.00	13.250	32255	11645	200	6000
Sch 40	14.00	13.124	31694	11353	200	6000
Sch 60	14.00	12.814	30343	10699	200	6000
Extra Strong	14.00	13.00	31149	9639	200	6000
Sch 80	14.00	12.50	29027	10041	200	6000
16 inch 10S	16.00	15.500	43473	17937	300	9000
Sch 20	16.00	15.375	42791	17495	300	9000
Std. Wt. Sch 30	16.00	15.250	42115	17100	300	9000
Ex. Strong Sch 40	16.00	15.000	40785	16331	300	9000
Sch 60	16.00	14.688	39163	15388	300	9000
Sch 80	16.00	14.314	37278	14332	300	9000
18 inch Sch 10S	18.00	17.500	55348	25847	350	10000
Sch 20	18.00	17.375	54553	25271	350	10000
Sch 30	18.00	17.124	52979	24145	350	10000
Std. Wt.	18.00	17.250	53765	24705	350	10000
Sch 40	18.00	16.876	51451	23110	350	10000
Sch 60	18.00	16.500	49187	21632	350	10000

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Extra Strong	18.00	17.000	52211	23599	350	10000
Sch 80	18.00	16.126	46997	20140	350	10000