

SmartPlate EV Sizing Tables

SmartPlate EV 30						
Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-120	125	13	0.77	40	98	7.86
	130	18	1.35	40	93	7.85
	140	25	2.38	40	89	7.80
	160	37	4.80	40	84	7.69
	180	40	5.48	33	80	5.26

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-140	145	13	0.72	40	112	7.69
	150	17	1.19	40	106	7.68
	160	23	2.06	40	100	7.64
	180	33	3.89	40	94	7.53

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-120	125	16	1.03	40	101	7.85
	130	21	1.71	40	98	7.83
	140	29	3.11	40	95	7.78
	160	40	5.39	35	89	6.51
	180	40	5.39	25	81	3.13

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-140	145	15	0.89	40	115	7.68
	150	19	1.41	40	111	7.66
	160	26	2.51	40	106	7.62
	180	38	4.91	40	101	7.51

SmartPlate EV Sizing Tables

SmartPlate EV 40						
Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-120	125	19	0.96	60	99	12.31
	130	26	1.63	60	95	12.29
	140	36	2.96	60	91	12.23
	160	53	5.98	60	87	12.09
	180	60	7.35	50	80	8.35

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-140	145	19	0.92	60	113	12.11
	150	25	1.48	60	108	12.09
	160	33	2.52	60	103	12.03
	180	48	4.81	60	98	11.90

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-120	125	22	1.18	60	103	12.29
	130	29	2.02	60	100	12.27
	140	42	3.85	60	97	12.21
	160	60	7.23	54	92	9.89
	180	60	7.23	38	83	5.02

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-140	145	20	1.05	60	117	12.09
	150	27	1.72	60	113	12.07
	160	38	3.15	60	108	12.02
	180	56	6.20	60	104	11.88

SmartPlate EV Sizing Tables

SmartPlate EV 60						
Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-120	125	26	0.96	75	97	13.94
	130	35	1.63	75	92	13.96
	140	47	2.76	75	89	13.89
	160	69	5.50	75	85	13.79
	180	78	6.83	75	95	13.66

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-140	145	25	0.89	75	111	13.80
	150	33	1.46	75	105	13.80
	160	45	2.50	75	99	13.76
	180	64	4.75	75	92	13.67

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-120	125	30	1.21	75	101	13.93
	130	41	2.12	75	97	13.92
	140	57	5.70	73.8	94	13.87
	160	75	6.32	63	87	9.83
	180	75	6.32	46	80	5.32

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-140	145	28	1.09	75	114	13.79
	150	37	1.74	75	110	13.78
	160	50	3.03	75	105	13.74
	180	73	5.94	75	100	13.65

SmartPlate EV Sizing Tables

SmartPlate EV 90						
Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-120	125	34	1.03	90	94	16.75
	130	45	1.69	90	89	16.74
	140	63	3.07	90	83	16.72
	160	90	5.88	90	78	16.65
	180	90	5.85	74	80	11.29

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-140	145	33	0.98	90	107	16.66
	150	43	1.54	90	101	16.65
	160	58	2.61	90	94	16.63
	180	87	5.14	90	87	16.57

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-120	125	40	1.35	90	98	16.74
	130	53	2.23	90	94	16.73
	140	74	4.06	90	90	16.70
	160	90	5.80	71	82	10.43
	180	90	5.80	56	80	6.50

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-140	145	38	1.21	90	111	16.65
	150	49	1.90	90	106	16.64
	160	65	3.18	90	101	16.61
	180	90	5.75	88	96	15.84

SmartPlate EV Sizing Tables

SmartPlate EV 140						
Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-120	125	41	1.05	90	88	15.21
	130	53	1.65	90	82	15.21
	140	71	2.78	90	76	15.20
	160	90	4.29	78	66	11.43
	180	90	4.29	74	80	10.27

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
40-140	145	40	0.99	90	100	15.17
	150	50	1.47	90	93	15.17
	160	66	2.42	90	85	15.16
	180	88	4.08	90	80	15.13

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-120	125	46	1.27	90	94	15.21
	130	61	2.10	90	89	15.21
	140	83	3.67	90	84	15.19
	160	90	4.27	65	75	7.96
	180	90	4.27	56	80	5.90

Domestic Water Inlet - Outlet (°F)	Boiler Water Inlet Temp (°F)	Domestic side		Boiler side		
		Flow (GPM)	Total Pressure Drop (PSI)	Flow (GPM)	Outlet Temp (°F)	Total Pressure Drop (PSI)
60-140	145	44	1.17	90	105	15.17
	150	57	1.83	90	99	15.17
	160	74	2.97	90	93	15.15
	180	90	4.25	76	83	10.83