AquaTap Inline Flow Diverter (IFD) Flow and Pressure Characteristics

Size 25mm Inline Flow Diverter

				Recirculation Flow Rate of Faucet (GPM)				
Flow Rate of Main Line (GPM)	**PROGEF PP (SDR11/PN10) Velocity (FPS)**	**SYGEF PVDF (SDR21/PN16) Velocity (FPS)**	**Pressure lost in Main Line (PSI)**	**Faucet Install 10' from IFD**	**Faucet Install 20' from IFD**	**Faucet Install 30' from IFD**	**Faucet Install 40' from IFD**	**Faucet Install 50' from IFD:**
1	0.63		0.00	0.01	0.01	0.01	0.01	0.00
2	1.27	1.17	0.00	0.17	0.15	0.14	0.12	0.10
3	1.90	1.76	0.01	0.33	0.30	0.27	0.23	0.20
4	2.53	2.35	0.04	0.50	0.45	0.40	0.35	0.30
5	3.17	2.93	0.09	0.66	0.60	0.53	0.46	0.40
6	3.80	2.52	0.15	0.83	0.74	0.66	0.58	0.50
7	4.43	4.11	0.23	0.99	0.89	0.79	0.69	0.59
8	5.07	4.69	0.32	1.15	1.04	0.92	0.81	0.69
9	5.70	5.28	0.42	1.32	1.19	1.05	0.92	0.79
10	6.33	5.86	0.53	1.48	1.33	1.18	1.04	0.89
11		6.45	0.66	1.64	1.48	1.32	1.15	0.99
12		7.04	0.81	1.81	1.63	1.45	1.27	1.08
13		7.62	0.96	1.97	1.77	1.58	1.38	1.18
14		8.21	1.13	2.14	1.92	1.71	1.49	1.28
15	9.50	8.8	1.32	2.30	2.07	1.84	1.61	1.38
17.5		10.26	1.83	2.71	2.44	2.17	1.90	1.63
20	12.67	11.73	2.43	3.12	2.81	2.49	2.18	1.87
30	19.00		5.67	4.75	4.28	3.80	3.33	2.85

Note: Caution should be taken when velocities fall within the shaded levels.

AquaTap Inline Flow Diverter (IFD) Flow and Pressure Characteristics

Size 32mm Inline Flow Diverter

				Recirculation Flow Rate of Faucet (GPM)				
Flow Rate of Main Line (GPM)	**PROGEF PP (SDR11/PN10) Velocity (FPS)**	**SYGEF PVDF (SDR21/PN16) Velocity (FPS)**	**Pressure lost in Main Line (PSI)**	**Faucet Install 10' from IFD**	**Faucet Install 20' from IFD**	**Faucet Install 30' from IFD**	**Faucet Install 40' from IFD**	**Faucet Install 50' from IFD**
2	0.77		0.00	0.08	0.07	0.06	0.05	0.05
3	1.15	1.07	0.00	0.13	0.12	0.11	0.09	0.08
4	1.54	1.43	0.00	0.19	0.17	0.15	0.13	0.11
5	1.92	1.78	0.01	0.25	0.22	0.20	0.17	0.15
6	2.3	2.14	0.03	0.31	0.28	0.24	0.21	0.18
7	2.69	2.49	0.05	0.36	0.33	0.29	0.25	0.22
8	3.07	2.85	0.07	0.42	0.38	0.34	0.29	0.25
9	3.46	3.21	0.10	0.48	0.43	0.38	0.34	0.29
10	3.84	3.56	0.13	0.54	0.48	0.43	0.38	0.32
11		3.92	0.16	0.59	0.53	0.47	0.42	0.36
12		4.28	0.19	0.65	0.59	0.52	0.46	0.39
13		4.63	0.23	0.71	0.64	0.57	0.50	0.43
14		4.99	0.28	0.77	0.69	0.61	0.54	0.46
15	5.76	5.34	0.32	0.82	0.74	0.66	0.58	0.49
17.5		6.23	0.45	0.97	0.87	0.77	0.68	0.58
20	7.68	7.13	0.60	1.11	1.00	0.89	0.78	0.67
25		8.91	0.97	1.40	1.26	1.12	0.98	0.84
30	11.52	10.69	1.42	1.69	1.52	1.35	1.18	1.01
35		12.47	1.96	1.97	1.78	1.58	1.38	1.18
40	15.36		2.58	2.26	2.04	1.81	1.58	1.36

Note: Caution should be taken when velocities fall within the shaded levels.

AquaTap Inline Flow Diverter (IFD) Flow and Pressure Characteristics

Size 40mm Inline Flow Diverter

				Recirculation Flow Rate of Faucet (GPM)				
Flow Rate of Main Line (GPM)	**PROGEF PP (SDR11/PN10) Velocity (FPS)**	**SYGEF PVDF (SDR21/PN16) Velocity (FPS)**	**Pressure lost in Main Line (PSI)**	**Faucet Install 10' from IFD**	**Faucet Install 20' from IFD**	**Faucet Install 30' from IFD**	**Faucet Install 40' from IFD**	**Faucet Install 50' from IFD**
1		0.21	0.00	0.00	0.00	0.00	0.00	0.00
2.5		0.53	0.00	0.00	0.00	0.00	0.00	0.00
3	0.74		0.00	0.02	0.02	0.02	0.02	0.01
4	0.99		0.00	0.07	0.07	0.06	0.05	0.04
5	1.24	1.06	0.00	0.12	0.11	0.10	0.09	0.07
6	1.49		0.00	0.17	0.16	0.14	0.12	0.10
7	1.74		0.00	0.22	0.20	0.18	0.16	0.13
8	1.98		0.01	0.27	0.25	0.22	0.19	0.16
9	2.23		0.02	0.32	0.29	0.26	0.23	0.19
10	2.48	2.13	0.04	0.38	0.34	0.30	0.26	0.23
15	3.72	3.19	0.12	0.63	0.56	0.50	0.44	0.38
20	4.96	4.25	0.22	0.88	0.79	0.70	0.62	0.53
25		5.32	0.36	1.13	1.02	0.90	0.79	0.68
30	7.44	6.38	0.53	1.38	1.24	1.11	0.97	0.83
35		7.45	0.73	1.64	1.47	1.31	1.14	0.98
40	9.92	8.51	0.96	1.89	1.70	1.51	1.32	1.13
45		9.57	1.22	2.14	1.93	1.71	1.50	1.28
50	12.40	10.64	1.51	2.39	2.15	1.91	1.67	1.43
55		11.70	1.83	2.64	2.38	2.11	1.85	1.59
60	14.88		2.18	2.90	2.61	2.32	2.03	1.74

Note: Caution should be taken when velocities fall within the shaded levels.

AquaTap Inline Flow Diverter (IFD) Flow and Pressure Characteristics

Size 50mm Inline Flow Diverter

				Recirculation Flow Rate of Faucet (GPM)				
Flow Rate of Main Line (GPM)	**PROGEF PP (SDR11/PN10) Velocity (FPS)**	**SYGEF PVDF (SDR21/PN16) Velocity (FPS)**	**Pressure lost in Main Line (PSI)**	**Faucet Install 10' from IFD**	**Faucet Install 20' from IFD**	**Faucet Install 30' from IFD**	**Faucet Install 40' from IFD**	**Faucet Install 50' from IFD**
5	0.79	0.68	0.00	0.00	0.00	0.00	0.00	0.00
10	1.58	1.36	0.00	0.20	0.18	0.16	0.14	0.12
15	2.38	2.04	0.02	0.41	0.37	0.33	0.29	0.24
20	3.17	2.72	0.05	0.61	0.55	0.49	0.43	0.37
25	3.96	3.40	0.09	0.82	0.74	0.65	0.57	0.49
30	4.75	4.08	0.14	1.02	0.92	0.82	0.72	0.61
35	5.54	4.77	0.20	1.23	1.10	0.98	0.86	0.74
40	6.33	5.45	0.26	1.43	1.29	1.14	1.00	0.86
45	7.13	6.13	0.34	1.64	1.47	1.31	1.14	0.98
50	7.92	6.81	0.43	1.84	1.66	1.47	1.29	1.10
55	8.71	7.49	0.53	2.04	1.84	1.64	1.43	1.23
60	9.50	8.17	0.64	2.25	2.02	1.80	1.57	1.35
65	10.29	8.85	0.76	2.45	2.21	1.96	1.72	1.47
70	11.08	9.53	0.89	2.66	2.39	2.13	1.86	1.59
75		10.21	1.02	2.86	2.58	2.29	2.00	1.72
80		10.89	1.17	3.07	2.76	2.45	2.15	1.84

Note: Caution should be taken when velocities fall within the shaded levels.

AquaTap Inline Flow Diverter (IFD) Flow and Pressure Characteristics

Size 63mm Inline Flow Diverter

				Recirculation Flow Rate of Faucet (GPM)				
Flow Rate of Main Line (GPM)	**PROGEF PP (SDR11/PN10) Velocity (FPS)**	**SYGEF PVDF (SDR21/PN16) Velocity (FPS)**	**Pressure lost in Main Line (PSI)**	**Faucet Install 10' from IFD**	**Faucet Install 20' from IFD**	**Faucet Install 30' from IFD**	**Faucet Install 40' from IFD**	**Faucet Install 50' from IFD**
10	1.00	0.81	0.02	0.32	0.29	0.25	0.22	0.19
15	1.50	1.22	0.03	0.50	0.45	0.40	0.35	0.30
20	2.00	1.62	0.06	0.68	0.61	0.54	0.47	0.41
25	2.49	2.03	0.09	0.86	0.77	0.68	0.60	0.51
30	2.99	2.43	0.14	1.03	0.93	0.83	0.72	0.62
35	3.49	2.84	0.19	1.21	1.09	0.97	0.85	0.73
40	3.99	3.25	0.26	1.39	1.25	1.12	0.98	0.84
45	4.49	3.65	0.33	1.57	1.42	1.26	1.10	0.94
50	4.99	4.06	0.42	1.75	1.58	1.40	1.23	1.05
55	5.49	4.46	0.51	1.93	1.74	1.55	1.35	1.16
60	5.99	4.87	0.62	2.11	1.90	1.69	1.48	1.27
65	6.48	5.27	0.73	2.29	2.06	1.83	1.60	1.37
70	6.98	5.68	0.86	2.47	2.22	1.98	1.73	1.48
75	7.48	6.08	0.99	2.65	2.39	2.12	1.86	1.59
80	7.98	6.49	1.14	2.83	2.55	2.26	1.98	1.70
90			1.46	3.19	2.87	2.55	2.23	1.91
95	9.48	7.71	1.63	3.37	3.03	2.69	2.36	2.02
100	9.98	8.11	1.82	3.55	3.19	2.84	2.48	2.13
110	10.97		2.22	3.91	3.52	3.13	2.73	2.34
125	12.47	10.14	2.89	4.45	4.00	3.56	3.11	2.67
150		12.17	4.22	5.34	4.81	4.27	3.74	3.21

Note: Caution should be taken when velocities fall within the shaded levels.