

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	300×300		300×400		300×500		300×600		300×700	
流水断面積 A(m ²)	0.071134		0.095447		0.11952		0.14352		0.16752	
潤 辺 P(m)	0.78		0.938		1.0968		1.2568		1.4168	
径 深 R(m)	0.0912		0.1018		0.109		0.1142		0.1182	
粗 度 係 数 n	0.0142		0.014		0.0139		0.0137		0.0137	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (%)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	5.5261	0.3931	6.0314	0.5757	6.3579	0.7599	6.6543	0.9550	6.8088	1.1406
100.0	4.5121	0.3210	4.9246	0.4700	5.1912	0.6205	5.4332	0.7798	5.5594	0.9313
75.0	3.9076	0.2780	4.2648	0.4071	4.4957	0.5373	4.7053	0.6753	4.8145	0.8065
50.0	3.1905	0.2270	3.4822	0.3324	3.6707	0.4387	3.8419	0.5514	3.9311	0.6585
40.0	2.8537	0.2030	3.1146	0.2973	3.2832	0.3924	3.4363	0.4932	3.5160	0.5890
35.0	2.6694	0.1899	2.9134	0.2781	3.0712	0.3671	3.2143	0.4613	3.2890	0.5510
30.0	2.4714	0.1758	2.6973	0.2574	2.8433	0.3398	2.9759	0.4271	3.0450	0.5101
25.0	2.2560	0.1605	2.4623	0.2350	2.5956	0.3102	2.7166	0.3899	2.7797	0.4657
20.0	2.0179	0.1435	2.2023	0.2102	2.3216	0.2775	2.4298	0.3487	2.4862	0.4165
18.0	1.9143	0.1362	2.0893	0.1994	2.2024	0.2632	2.3051	0.3308	2.3586	0.3951
16.0	1.8048	0.1284	1.9698	0.1880	2.0765	0.2482	2.1733	0.3119	2.2237	0.3725
15.0	1.7475	0.1243	1.9073	0.1820	2.0106	0.2403	2.1043	0.3020	2.1531	0.3607
14.0	1.6883	0.1201	1.8426	0.1759	1.9424	0.2322	2.0329	0.2918	2.0801	0.3485
12.0	1.5630	0.1112	1.7059	0.1628	1.7983	0.2149	1.8821	0.2701	1.9258	0.3226
10.0	1.4268	0.1015	1.5573	0.1486	1.6416	0.1962	1.7181	0.2466	1.7580	0.2945
9.0	1.3536	0.0963	1.4774	0.1410	1.5574	0.1861	1.6300	0.2339	1.6678	0.2794
8.5	1.3155	0.0936	1.4358	0.1370	1.5135	0.1809	1.5840	0.2273	1.6208	0.2715
8.0	1.2762	0.0908	1.3929	0.1329	1.4683	0.1755	1.5367	0.2205	1.5724	0.2634
7.5	1.2357	0.0879	1.3487	0.1287	1.4217	0.1699	1.4879	0.2135	1.5225	0.2550
7.0	1.1938	0.0849	1.3029	0.1244	1.3735	0.1642	1.4375	0.2063	1.4709	0.2464
6.5	1.1504	0.0818	1.2555	0.1198	1.3235	0.1582	1.3852	0.1988	1.4174	0.2374
6.0	1.1052	0.0786	1.2063	0.1151	1.2716	0.1520	1.3309	0.1910	1.3618	0.2281
5.5	1.0582	0.0753	1.1549	0.1102	1.2174	0.1455	1.2742	0.1829	1.3038	0.2184
5.0	1.0089	0.0718	1.1012	0.1051	1.1608	0.1387	1.2149	0.1744	1.2431	0.2082
4.5	0.9572	0.0681	1.0447	0.0997	1.1012	0.1316	1.1526	0.1654	1.1793	0.1976
4.0	0.9024	0.0642	0.9849	0.0940	1.0382	0.1241	1.0866	0.1559	1.1119	0.1863
3.5	0.8441	0.0600	0.9213	0.0879	0.9712	0.1161	1.0165	0.1459	1.0401	0.1742
3.0	0.7815	0.0556	0.8530	0.0814	0.8991	0.1075	0.9411	0.1351	0.9629	0.1613
2.5	0.7134	0.0507	0.7786	0.0743	0.8208	0.0981	0.8591	0.1233	0.8790	0.1473
2.0	0.6381	0.0454	0.6964	0.0665	0.7341	0.0877	0.7684	0.1103	0.7862	0.1317
1.5	0.5526	0.0393	0.6031	0.0576	0.6358	0.0760	0.6654	0.0955	0.6809	0.1141
1.0	0.4512	0.0321	0.4925	0.0470	0.5191	0.0620	0.5433	0.0780	0.5559	0.0931

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	300×800		300×900		300×1000		300×1100		300×1200	
流水断面積 A(m ²)	0.19152		0.21552		0.23952		0.26352		0.28752	
潤 辺 P(m)	1.5768		1.7368		1.8968		2.0568		2.2168	
径 深 R(m)	0.1215		0.1241		0.1263		0.1281		0.1297	
粗 度 係 数 n	0.0136		0.0135		0.0135		0.0135		0.0134	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	6.9859	1.3379	7.1377	1.5383	7.2218	1.7298	7.2903	1.9211	7.4057	2.1293
100.0	5.7040	1.0924	5.8279	1.2560	5.8966	1.4124	5.9525	1.5686	6.0467	1.7385
75.0	4.9398	0.9461	5.0471	1.0878	5.1066	1.2231	5.1550	1.3584	5.2366	1.5056
50.0	4.0333	0.7725	4.1210	0.8882	4.1695	0.9987	4.2090	1.1092	4.2757	1.2293
40.0	3.6075	0.6909	3.6859	0.7944	3.7293	0.8932	3.7647	0.9921	3.8243	1.0996
35.0	3.3745	0.6463	3.4478	0.7431	3.4885	0.8356	3.5215	0.9280	3.5773	1.0285
30.0	3.1242	0.5983	3.1921	0.6880	3.2297	0.7736	3.2603	0.8592	3.3119	0.9522
25.0	2.8520	0.5462	2.9140	0.6280	2.9483	0.7062	2.9762	0.7843	3.0234	0.8693
20.0	2.5509	0.4885	2.6063	0.5617	2.6370	0.6316	2.6620	0.7015	2.7042	0.7775
18.0	2.4200	0.4635	2.4726	0.5329	2.5017	0.5992	2.5254	0.6655	2.5654	0.7376
16.0	2.2816	0.4370	2.3312	0.5024	2.3586	0.5649	2.3810	0.6274	2.4187	0.6954
15.0	2.2091	0.4231	2.2571	0.4865	2.2837	0.5470	2.3054	0.6075	2.3419	0.6733
14.0	2.1342	0.4087	2.1806	0.4700	2.2063	0.5285	2.2272	0.5869	2.2625	0.6505
12.0	1.9759	0.3784	2.0189	0.4351	2.0426	0.4892	2.0620	0.5434	2.0947	0.6023
10.0	1.8038	0.3455	1.8430	0.3972	1.8647	0.4466	1.8823	0.4960	1.9121	0.5498
9.0	1.7112	0.3277	1.7484	0.3768	1.7690	0.4237	1.7857	0.4706	1.8140	0.5216
8.5	1.6630	0.3185	1.6991	0.3662	1.7191	0.4118	1.7354	0.4573	1.7629	0.5069
8.0	1.6133	0.3090	1.6484	0.3553	1.6678	0.3995	1.6836	0.4437	1.7103	0.4917
7.5	1.5621	0.2992	1.5960	0.3440	1.6149	0.3868	1.6302	0.4296	1.6560	0.4761
7.0	1.5091	0.2890	1.5419	0.3323	1.5601	0.3737	1.5749	0.4150	1.5998	0.4600
6.5	1.4542	0.2785	1.4858	0.3202	1.5033	0.3601	1.5176	0.3999	1.5416	0.4432
6.0	1.3972	0.2676	1.4275	0.3077	1.4444	0.3460	1.4581	0.3842	1.4811	0.4258
5.5	1.3377	0.2562	1.3668	0.2946	1.3829	0.3312	1.3960	0.3679	1.4181	0.4077
5.0	1.2755	0.2443	1.3032	0.2809	1.3185	0.3158	1.3310	0.3507	1.3521	0.3888
4.5	1.2100	0.2317	1.2363	0.2664	1.2509	0.2996	1.2627	0.3327	1.2827	0.3688
4.0	1.1408	0.2185	1.1656	0.2512	1.1793	0.2825	1.1905	0.3137	1.2093	0.3477
3.5	1.0671	0.2044	1.0903	0.2350	1.1032	0.2642	1.1136	0.2935	1.1312	0.3252
3.0	0.9880	0.1892	1.0094	0.2175	1.0213	0.2446	1.0310	0.2717	1.0473	0.3011
2.5	0.9019	0.1727	0.9215	0.1986	0.9323	0.2233	0.9412	0.2480	0.9561	0.2749
2.0	0.8067	0.1545	0.8242	0.1776	0.8339	0.1997	0.8418	0.2218	0.8551	0.2459
1.5	0.6986	0.1338	0.7138	0.1538	0.7222	0.1730	0.7290	0.1921	0.7406	0.2129
1.0	0.5704	0.1092	0.5828	0.1256	0.5897	0.1412	0.5952	0.1568	0.6047	0.1739

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	400×400		400×500		400×600		400×700		400×800	
流水断面積 A(m ²)	0.12703		0.159321		0.19136		0.22336		0.25536	
潤 辺 P(m)	1.04		1.198		1.3568		1.5168		1.6768	
径 深 R(m)	0.1221		0.133		0.141		0.1473		0.1523	
粗 度 係 数 n	0.0142		0.0139		0.0139		0.0138		0.0137	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	6.7128	0.8527	7.2599	1.1567	7.5482	1.4444	7.8277	1.7484	8.0623	2.0588
100.0	5.4809	0.6962	5.9277	0.9444	6.1631	1.1794	6.3913	1.4276	6.5828	1.6810
75.0	4.7466	0.6030	5.1335	0.8179	5.3374	1.0214	5.5350	1.2363	5.7009	1.4558
50.0	3.8756	0.4923	4.1915	0.6678	4.3580	0.8339	4.5193	1.0094	4.6548	1.1886
40.0	3.4665	0.4403	3.7490	0.5973	3.8979	0.7459	4.0422	0.9029	4.1633	1.0631
35.0	3.2426	0.4119	3.5069	0.5587	3.6461	0.6977	3.7811	0.8445	3.8945	0.9945
30.0	3.0020	0.3813	3.2467	0.5173	3.3757	0.6460	3.5007	0.7819	3.6056	0.9207
25.0	2.7405	0.3481	2.9639	0.4722	3.0815	0.5897	3.1957	0.7138	3.2914	0.8405
20.0	2.4512	0.3114	2.6509	0.4223	2.7562	0.5274	2.8583	0.6384	2.9439	0.7518
18.0	2.3254	0.2954	2.5149	0.4007	2.6148	0.5004	2.7116	0.6057	2.7929	0.7132
16.0	2.1924	0.2785	2.3711	0.3778	2.4652	0.4717	2.5565	0.5710	2.6331	0.6724
15.0	2.1228	0.2697	2.2958	0.3658	2.3870	0.4568	2.4753	0.5529	2.5495	0.6510
14.0	2.0508	0.2605	2.2179	0.3534	2.3060	0.4413	2.3914	0.5341	2.4631	0.6290
12.0	1.8987	0.2412	2.0534	0.3271	2.1350	0.4086	2.2140	0.4945	2.2804	0.5823
10.0	1.7332	0.2202	1.8745	0.2986	1.9489	0.3729	2.0211	0.4514	2.0817	0.5316
9.0	1.6443	0.2089	1.7783	0.2833	1.8489	0.3538	1.9174	0.4283	1.9748	0.5043
8.5	1.5980	0.2030	1.7282	0.2753	1.7968	0.3438	1.8634	0.4162	1.9192	0.4901
8.0	1.5502	0.1969	1.6766	0.2671	1.7432	0.3336	1.8077	0.4038	1.8619	0.4755
7.5	1.5010	0.1907	1.6234	0.2586	1.6878	0.3230	1.7503	0.3909	1.8028	0.4604
7.0	1.4501	0.1842	1.5683	0.2499	1.6306	0.3120	1.6910	0.3777	1.7417	0.4448
6.5	1.3974	0.1775	1.5113	0.2408	1.5713	0.3007	1.6295	0.3640	1.6783	0.4286
6.0	1.3426	0.1706	1.4520	0.2313	1.5096	0.2889	1.5655	0.3497	1.6125	0.4118
5.5	1.2854	0.1633	1.3902	0.2215	1.4454	0.2766	1.4989	0.3348	1.5438	0.3942
5.0	1.2256	0.1557	1.3255	0.2112	1.3781	0.2637	1.4291	0.3192	1.4720	0.3759
4.5	1.1627	0.1477	1.2575	0.2003	1.3074	0.2502	1.3558	0.3028	1.3964	0.3566
4.0	1.0962	0.1393	1.1855	0.1889	1.2326	0.2359	1.2783	0.2855	1.3166	0.3362
3.5	1.0254	0.1303	1.1090	0.1767	1.1530	0.2206	1.1957	0.2671	1.2315	0.3145
3.0	0.9493	0.1206	1.0267	0.1636	1.0675	0.2043	1.1070	0.2473	1.1402	0.2912
2.5	0.8666	0.1101	0.9373	0.1493	0.9745	0.1865	1.0106	0.2257	1.0408	0.2658
2.0	0.7751	0.0985	0.8383	0.1336	0.8716	0.1668	0.9039	0.2019	0.9310	0.2377
1.5	0.6713	0.0853	0.7260	0.1157	0.7548	0.1444	0.7828	0.1748	0.8062	0.2059
1.0	0.5481	0.0696	0.5928	0.0944	0.6163	0.1179	0.6391	0.1427	0.6583	0.1681

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	400×900		400×1000		400×1100		400×1200	
流水断面積 A(m ²)	0.28736		0.31936		0.35136		0.38336	
潤 辺 P(m)	1.8368		1.9968		2.1568		2.3168	
径 深 R(m)	0.1564		0.1599		0.1629		0.1655	
粗 度 係 数 n	0.0137		0.0136		0.0136		0.0135	
	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	8.2063	2.3582	8.3896	2.6793	8.4942	2.9845	8.6479	3.3153
100.0	6.7004	1.9254	6.8500	2.1876	6.9355	2.4369	7.0610	2.7069
75.0	5.8028	1.6675	5.9323	1.8945	6.0063	2.1104	6.1150	2.3442
50.0	4.7379	1.3615	4.8437	1.5469	4.9041	1.7231	4.9929	1.9141
40.0	4.2377	1.2177	4.3323	1.3836	4.3864	1.5412	4.4658	1.7120
35.0	3.9640	1.1391	4.0525	1.2942	4.1031	1.4417	4.1773	1.6014
30.0	3.6700	1.0546	3.7519	1.1982	3.7987	1.3347	3.8675	1.4826
25.0	3.3502	0.9627	3.4250	1.0938	3.4677	1.2184	3.5305	1.3535
20.0	2.9965	0.8611	3.0634	0.9783	3.1016	1.0898	3.1578	1.2106
18.0	2.8428	0.8169	2.9062	0.9281	2.9425	1.0339	2.9957	1.1484
16.0	2.6802	0.7702	2.7400	0.8750	2.7742	0.9747	2.8244	1.0828
15.0	2.5951	0.7457	2.6530	0.8473	2.6861	0.9438	2.7347	1.0484
14.0	2.5071	0.7204	2.5631	0.8186	2.5950	0.9118	2.6420	1.0128
12.0	2.3211	0.6670	2.3729	0.7578	2.4025	0.8441	2.4460	0.9377
10.0	2.1189	0.6089	2.1662	0.6918	2.1932	0.7706	2.2329	0.8560
9.0	2.0101	0.5776	2.0550	0.6563	2.0806	0.7310	2.1183	0.8121
8.5	1.9535	0.5614	1.9971	0.6378	2.0220	0.7104	2.0586	0.7892
8.0	1.8952	0.5446	1.9375	0.6188	1.9616	0.6892	1.9971	0.7656
7.5	1.8350	0.5273	1.8760	0.5991	1.8994	0.6674	1.9337	0.7413
7.0	1.7728	0.5094	1.8124	0.5788	1.8349	0.6447	1.8682	0.7162
6.5	1.7083	0.4909	1.7464	0.5577	1.7682	0.6213	1.8002	0.6901
6.0	1.6413	0.4716	1.6779	0.5359	1.6988	0.5969	1.7296	0.6631
5.5	1.5714	0.4516	1.6065	0.5131	1.6265	0.5715	1.6559	0.6348
5.0	1.4983	0.4306	1.5317	0.4892	1.5508	0.5449	1.5789	0.6053
4.5	1.4214	0.4085	1.4531	0.4641	1.4712	0.5169	1.4979	0.5742
4.0	1.3401	0.3851	1.3700	0.4375	1.3871	0.4874	1.4122	0.5414
3.5	1.2535	0.3602	1.2815	0.4093	1.2975	0.4559	1.3210	0.5064
3.0	1.1606	0.3335	1.1865	0.3789	1.2013	0.4221	1.2230	0.4688
2.5	1.0594	0.3044	1.0831	0.3459	1.0966	0.3853	1.1164	0.4280
2.0	0.9476	0.2723	0.9687	0.3094	0.9808	0.3446	0.9986	0.3828
1.5	0.8206	0.2358	0.8390	0.2679	0.8494	0.2984	0.8648	0.3315
1.0	0.6700	0.1925	0.6850	0.2188	0.6935	0.2437	0.7061	0.2707

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	500×500		500×600		500×700		500×800		500×900	
流水断面積 A(m ²)	0.199161		0.2392		0.2792		0.3192		0.3592	
潤 辺 P(m)	1.298		1.4568		1.6168		1.7768		1.9368	
径 深 R(m)	0.1534		0.1642		0.1727		0.1796		0.1855	
粗 度 係 数 n	0.0142		0.0141		0.014		0.0139		0.0138	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	7.8158	1.5566	8.2365	1.9702	8.5792	2.3953	8.8696	2.8312	9.1284	3.2789
100.0	6.3816	1.2710	6.7251	1.6086	7.0049	1.9558	7.2420	2.3116	7.4533	2.6772
75.0	5.5266	1.1007	5.8241	1.3931	6.0664	1.6937	6.2717	2.0019	6.4548	2.3186
50.0	4.5125	0.8987	4.7553	1.1375	4.9532	1.3829	5.1208	1.6346	5.2703	1.8931
40.0	4.0361	0.8038	4.2533	1.0174	4.4303	1.2369	4.5802	1.4620	4.7139	1.6932
35.0	3.7754	0.7519	3.9786	0.9517	4.1441	1.1570	4.2844	1.3676	4.4094	1.5839
30.0	3.4953	0.6961	3.6835	0.8811	3.8367	1.0712	3.9666	1.2661	4.0824	1.4664
25.0	3.1908	0.6355	3.3625	0.8043	3.5024	0.9779	3.6210	1.1558	3.7267	1.3386
20.0	2.8539	0.5684	3.0075	0.7194	3.1327	0.8746	3.2387	1.0338	3.3332	1.1973
18.0	2.7075	0.5392	2.8532	0.6825	2.9719	0.8298	3.0725	0.9807	3.1622	1.1359
16.0	2.5526	0.5084	2.6900	0.6434	2.8019	0.7823	2.8968	0.9247	2.9813	1.0709
15.0	2.4716	0.4922	2.6046	0.6230	2.7130	0.7575	2.8048	0.8953	2.8867	1.0369
14.0	2.3878	0.4756	2.5163	0.6019	2.6210	0.7318	2.7097	0.8649	2.7888	1.0017
12.0	2.2106	0.4403	2.3296	0.5572	2.4266	0.6775	2.5087	0.8008	2.5819	0.9274
10.0	2.0180	0.4019	2.1267	0.5087	2.2151	0.6185	2.2901	0.7310	2.3569	0.8466
9.0	1.9145	0.3813	2.0175	0.4826	2.1015	0.5867	2.1726	0.6935	2.2360	0.8032
8.5	1.8605	0.3705	1.9607	0.4690	2.0423	0.5702	2.1114	0.6740	2.1730	0.7805
8.0	1.8050	0.3595	1.9021	0.4550	1.9813	0.5532	2.0483	0.6538	2.1081	0.7572
7.5	1.7477	0.3481	1.8417	0.4405	1.9184	0.5356	1.9833	0.6331	2.0412	0.7332
7.0	1.6884	0.3363	1.7793	0.4256	1.8533	0.5174	1.9160	0.6116	1.9720	0.7083
6.5	1.6270	0.3240	1.7146	0.4101	1.7859	0.4986	1.8463	0.5893	1.9002	0.6826
6.0	1.5632	0.3113	1.6473	0.3940	1.7158	0.4791	1.7739	0.5662	1.8257	0.6558
5.5	1.4966	0.2981	1.5772	0.3773	1.6428	0.4587	1.6984	0.5421	1.7480	0.6279
5.0	1.4270	0.2842	1.5038	0.3597	1.5663	0.4373	1.6194	0.5169	1.6666	0.5986
4.5	1.3537	0.2696	1.4266	0.3412	1.4860	0.4149	1.5363	0.4904	1.5811	0.5679
4.0	1.2763	0.2542	1.3450	0.3217	1.4010	0.3912	1.4484	0.4623	1.4907	0.5355
3.5	1.1939	0.2378	1.2581	0.3009	1.3105	0.3659	1.3548	0.4325	1.3944	0.5009
3.0	1.1053	0.2201	1.1648	0.2786	1.2133	0.3388	1.2543	0.4004	1.2910	0.4637
2.5	1.0090	0.2010	1.0633	0.2543	1.1076	0.3092	1.1451	0.3655	1.1785	0.4233
2.0	0.9025	0.1797	0.9511	0.2275	0.9906	0.2766	1.0242	0.3269	1.0541	0.3786
1.5	0.7816	0.1557	0.8236	0.1970	0.8579	0.2395	0.8870	0.2831	0.9128	0.3279
1.0	0.6382	0.1271	0.6725	0.1609	0.7005	0.1956	0.7242	0.2312	0.7453	0.2677

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	500×1000		500×1100		500×1200		500×1300		500×1400	
流水断面積 A(m ²)	0.3992		0.4392		0.4792		0.5192		0.5592	
潤 辺 P(m)	2.0968		2.2568		2.4168		2.5768		2.8968	
径 深 R(m)	0.1904		0.1946		0.1983		0.2015		0.193	
粗 度 係 数 n	0.0137		0.0137		0.0136		0.0136		0.0135	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	9.3563	3.7350	9.4934	4.1695	9.6840	4.6406	9.7879	5.0819	9.5811	5.3578
100.0	7.6394	3.0496	7.7513	3.4044	7.9070	3.7890	7.9918	4.1493	7.8230	4.3746
75.0	6.6159	2.6411	6.7128	2.9483	6.8476	3.2814	6.9211	3.5934	6.7749	3.7885
50.0	5.4018	2.1564	5.4810	2.4073	5.5911	2.6793	5.6511	2.9341	5.5317	3.0933
40.0	4.8316	1.9288	4.9024	2.1531	5.0008	2.3964	5.0545	2.6243	4.9477	2.7668
35.0	4.5195	1.8042	4.5857	2.0140	4.6778	2.2416	4.7280	2.4548	4.6281	2.5880
30.0	4.1843	1.6704	4.2456	1.8647	4.3308	2.0753	4.3773	2.2727	4.2848	2.3961
25.0	3.8197	1.5248	3.8757	1.7022	3.9535	1.8945	3.9959	2.0747	3.9115	2.1873
20.0	3.4164	1.3638	3.4665	1.5225	3.5361	1.6945	3.5740	1.8556	3.4985	1.9564
18.0	3.2411	1.2938	3.2886	1.4444	3.3546	1.6075	3.3906	1.7604	3.3190	1.8560
16.0	3.0557	1.2198	3.1005	1.3617	3.1628	1.5156	3.1967	1.6597	3.1292	1.7498
15.0	2.9587	1.1811	3.0021	1.3185	3.0624	1.4675	3.0952	1.6070	3.0298	1.6943
14.0	2.8584	1.1411	2.9003	1.2738	2.9585	1.4177	2.9903	1.5526	2.9271	1.6368
12.0	2.6464	1.0564	2.6851	1.1793	2.7391	1.3126	2.7684	1.4374	2.7100	1.5154
10.0	2.4158	0.9644	2.4512	1.0766	2.5004	1.1982	2.5272	1.3121	2.4738	1.3833
9.0	2.2918	0.9149	2.3254	1.0213	2.3721	1.1367	2.3975	1.2448	2.3469	1.3124
8.5	2.2272	0.8891	2.2599	0.9925	2.3053	1.1047	2.3300	1.2097	2.2808	1.2754
8.0	2.1607	0.8626	2.1924	0.9629	2.2364	1.0717	2.2604	1.1736	2.2127	1.2373
7.5	2.0921	0.8352	2.1228	0.9323	2.1654	1.0377	2.1886	1.1363	2.1424	1.1980
7.0	2.0212	0.8069	2.0508	0.9007	2.0920	1.0025	2.1144	1.0978	2.0698	1.1574
6.5	1.9477	0.7775	1.9762	0.8679	2.0159	0.9660	2.0375	1.0579	1.9945	1.1153
6.0	1.8713	0.7470	1.8987	0.8339	1.9368	0.9281	1.9576	1.0164	1.9162	1.0715
5.5	1.7916	0.7152	1.8178	0.7984	1.8543	0.8886	1.8742	0.9731	1.8346	1.0259
5.0	1.7082	0.6819	1.7332	0.7612	1.7681	0.8473	1.7870	0.9278	1.7493	0.9782
4.5	1.6206	0.6469	1.6443	0.7222	1.6773	0.8038	1.6953	0.8802	1.6595	0.9280
4.0	1.5279	0.6099	1.5503	0.6809	1.5814	0.7578	1.5984	0.8299	1.5646	0.8749
3.5	1.4292	0.5705	1.4501	0.6369	1.4793	0.7089	1.4951	0.7763	1.4635	0.8184
3.0	1.3232	0.5282	1.3426	0.5897	1.3695	0.6563	1.3842	0.7187	1.3550	0.7577
2.5	1.2079	0.4822	1.2256	0.5383	1.2502	0.5991	1.2636	0.6561	1.2369	0.6917
2.0	1.0804	0.4313	1.0962	0.4815	1.1182	0.5358	1.1302	0.5868	1.1063	0.6186
1.5	0.9356	0.3735	0.9493	0.4169	0.9684	0.4641	0.9788	0.5082	0.9581	0.5358
1.0	0.7639	0.3049	0.7751	0.3404	0.7907	0.3789	0.7992	0.4149	0.7823	0.4375

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	600×500		600×600		600×700		600×800		600×900	
流水断面積 A(m ²)	0.239001		0.28704		0.33504		0.38304		0.43104	
潤 辺 P(m)	1.398		1.5568		1.7168		1.8768		2.0368	
径 深 R(m)	0.171		0.1844		0.1952		0.2041		0.2116	
粗 度 係 数 n	0.0143		0.0142		0.0141		0.014		0.0139	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	8.3440	1.9942	8.8362	2.5363	9.2430	3.0968	9.5899	3.6733	9.8941	4.2648
100.0	6.8128	1.6283	7.2147	2.0709	7.5469	2.5285	7.8301	2.9992	8.0785	3.4822
75.0	5.9001	1.4101	6.2481	1.7935	6.5358	2.1898	6.7811	2.5974	6.9962	3.0156
50.0	4.8174	1.1514	5.1016	1.4644	5.3364	1.7879	5.5367	2.1208	5.7123	2.4622
40.0	4.3088	1.0298	4.5630	1.3098	4.7731	1.5992	4.9522	1.8969	5.1093	2.2023
35.0	4.0305	0.9633	4.2683	1.2252	4.4648	1.4959	4.6323	1.7744	4.7793	2.0601
30.0	3.7315	0.8918	3.9517	1.1343	4.1336	1.3849	4.2887	1.6427	4.4248	1.9073
25.0	3.4064	0.8141	3.6074	1.0355	3.7734	1.2642	3.9150	1.4996	4.0392	1.7411
20.0	3.0468	0.7282	3.2265	0.9261	3.3751	1.1308	3.5017	1.3413	3.6128	1.5573
18.0	2.8904	0.6908	3.0609	0.8786	3.2019	1.0728	3.3220	1.2725	3.4274	1.4773
16.0	2.7251	0.6513	2.8859	0.8284	3.0188	1.0114	3.1320	1.1997	3.2314	1.3929
15.0	2.6386	0.6306	2.7942	0.8020	2.9229	0.9793	3.0326	1.1616	3.1288	1.3486
14.0	2.5491	0.6092	2.6995	0.7749	2.8238	0.9461	2.9298	1.1222	3.0227	1.3029
12.0	2.3600	0.5640	2.4992	0.7174	2.6143	0.8759	2.7124	1.0390	2.7985	1.2063
10.0	2.1544	0.5149	2.2815	0.6549	2.3865	0.7996	2.4761	0.9484	2.5546	1.1011
9.0	2.0439	0.4885	2.1644	0.6213	2.2641	0.7586	2.3490	0.8998	2.4235	1.0446
8.5	1.9863	0.4747	2.1034	0.6038	2.2003	0.7372	2.2828	0.8744	2.3553	1.0152
8.0	1.9270	0.4606	2.0406	0.5857	2.1346	0.7152	2.2147	0.8483	2.2849	0.9849
7.5	1.8658	0.4459	1.9758	0.5671	2.0668	0.6925	2.1444	0.8214	2.2124	0.9536
7.0	1.8025	0.4308	1.9088	0.5479	1.9967	0.6690	2.0716	0.7935	2.1374	0.9213
6.5	1.7369	0.4151	1.8394	0.5280	1.9241	0.6447	1.9963	0.7647	2.0596	0.8878
6.0	1.6688	0.3988	1.7672	0.5073	1.8486	0.6194	1.9180	0.7347	1.9788	0.8529
5.5	1.5978	0.3819	1.6920	0.4857	1.7699	0.5930	1.8363	0.7034	1.8946	0.8166
5.0	1.5234	0.3641	1.6133	0.4631	1.6875	0.5654	1.7509	0.6707	1.8064	0.7786
4.5	1.4452	0.3454	1.5305	0.4393	1.6009	0.5364	1.6610	0.6362	1.7137	0.7387
4.0	1.3626	0.3257	1.4429	0.4142	1.5094	0.5057	1.5660	0.5998	1.6157	0.6964
3.5	1.2746	0.3046	1.3497	0.3874	1.4119	0.4730	1.4649	0.5611	1.5113	0.6514
3.0	1.1800	0.2820	1.2496	0.3587	1.3072	0.4380	1.3562	0.5195	1.3992	0.6031
2.5	1.0772	0.2575	1.1407	0.3274	1.1933	0.3998	1.2380	0.4742	1.2773	0.5506
2.0	0.9635	0.2303	1.0203	0.2929	1.0673	0.3576	1.1073	0.4241	1.1425	0.4925
1.5	0.8344	0.1994	0.8836	0.2536	0.9243	0.3097	0.9590	0.3673	0.9894	0.4265
1.0	0.6813	0.1628	0.7215	0.2071	0.7547	0.2529	0.7830	0.2999	0.8078	0.3482

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	600×1000		600×1100		600×1200		600×1300		600×1400	
流水断面積 A(m ²)	0.47904		0.52704		0.57504		0.62304		0.67104	
潤 辺 P(m)	2.1968		2.3568		2.5168		2.6768		2.8368	
径 深 R(m)	0.2181		0.2236		0.2285		0.2328		0.2365	
粗 度 係 数 n	0.0139		0.0138		0.0137		0.0137		0.0137	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	10.0957	4.8362	10.3391	5.4491	10.5661	6.0759	10.6983	6.6655	10.8113	7.2548
100.0	8.2431	3.9488	8.4418	4.4492	8.6272	4.9610	8.7351	5.4423	8.8274	5.9235
75.0	7.1387	3.4197	7.3108	3.8531	7.4714	4.2964	7.5648	4.7132	7.6448	5.1300
50.0	5.8287	2.7922	5.9693	3.1461	6.1004	3.5080	6.1767	3.8483	6.2419	4.1886
40.0	5.2134	2.4974	5.3391	2.8139	5.4563	3.1376	5.5246	3.4420	5.5829	3.7463
35.0	4.8767	2.3361	4.9942	2.6321	5.1039	2.9349	5.1678	3.2197	5.2224	3.5044
30.0	4.5149	2.1628	4.6238	2.4369	4.7253	2.7172	4.7844	2.9809	4.8350	3.2445
25.0	4.1215	1.9744	4.2209	2.2246	4.3136	2.4805	4.3676	2.7212	4.4137	2.9618
20.0	3.6864	1.7659	3.7753	1.9897	3.8582	2.2186	3.9065	2.4339	3.9477	2.6491
18.0	3.4972	1.6753	3.5816	1.8876	3.6602	2.1048	3.7060	2.3090	3.7452	2.5132
16.0	3.2972	1.5795	3.3767	1.7797	3.4509	1.9844	3.4940	2.1769	3.5310	2.3694
15.0	3.1925	1.5293	3.2695	1.7232	3.3413	1.9214	3.3831	2.1078	3.4188	2.2942
14.0	3.0843	1.4775	3.1586	1.6647	3.2280	1.8562	3.2684	2.0363	3.3029	2.2164
12.0	2.8555	1.3679	2.9243	1.5412	2.9886	1.7186	3.0259	1.8853	3.0579	2.0520
10.0	2.6067	1.2487	2.6695	1.4069	2.7282	1.5688	2.7623	1.7210	2.7915	1.8732
9.0	2.4729	1.1846	2.5325	1.3347	2.5882	1.4883	2.6205	1.6327	2.6482	1.7770
8.5	2.4032	1.1512	2.4612	1.2972	2.5152	1.4463	2.5467	1.5867	2.5736	1.7270
8.0	2.3315	1.1169	2.3877	1.2584	2.4401	1.4032	2.4707	1.5393	2.4968	1.6755
7.5	2.2575	1.0814	2.3119	1.2185	2.3627	1.3586	2.3922	1.4904	2.4175	1.6222
7.0	2.1809	1.0447	2.2335	1.1771	2.2825	1.3125	2.3111	1.4399	2.3355	1.5672
6.5	2.1016	1.0068	2.1522	1.1343	2.1995	1.2648	2.2270	1.3875	2.2506	1.5102
6.0	2.0191	0.9672	2.0678	1.0898	2.1132	1.2152	2.1397	1.3331	2.1623	1.4510
5.5	1.9332	0.9261	1.9798	1.0434	2.0233	1.1635	2.0486	1.2764	2.0702	1.3892
5.0	1.8432	0.8830	1.8876	0.9948	1.9291	1.1093	1.9532	1.2169	1.9739	1.3246
4.5	1.7486	0.8376	1.7908	0.9438	1.8301	1.0524	1.8530	1.1545	1.8726	1.2566
4.0	1.6486	0.7897	1.6884	0.8899	1.7254	0.9922	1.7470	1.0885	1.7655	1.1847
3.5	1.5421	0.7387	1.5793	0.8324	1.6140	0.9281	1.6342	1.0182	1.6515	1.1082
3.0	1.4277	0.6839	1.4622	0.7706	1.4943	0.8593	1.5130	0.9427	1.5290	1.0260
2.5	1.3033	0.6243	1.3348	0.7035	1.3641	0.7844	1.3811	0.8605	1.3957	0.9366
2.0	1.1657	0.5584	1.1939	0.6292	1.2201	0.7016	1.2353	0.7696	1.2484	0.8377
1.5	1.0096	0.4836	1.0339	0.5449	1.0566	0.6076	1.0698	0.6665	1.0811	0.7255
1.0	0.8243	0.3949	0.8442	0.4449	0.8627	0.4961	0.8735	0.5442	0.8827	0.5923

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	700×500		700×600		700×700		700×800		700×900	
流水断面積 A(m ²)	0.277749		0.334374		0.39075		0.44688		0.5026	
潤 辺 P(m)	1.502		1.66		1.818		1.976		2.136	
径 深 R(m)	0.1849		0.2014		0.2149		0.2262		0.2353	
粗 度 係 数 n	0.0149		0.0148		0.0147		0.0146		0.0145	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	8.4363	2.3432	8.9913	3.0065	9.4526	3.6936	9.8481	4.4009	10.1803	5.1166
100.0	6.8882	1.9132	7.3414	2.4548	7.7180	3.0158	8.0410	3.5934	8.3121	4.1777
75.0	5.9653	1.6569	6.3578	2.1259	6.6840	2.6118	6.9637	3.1119	7.1985	3.6180
50.0	4.8707	1.3528	5.1911	1.7358	5.4575	2.1325	5.6858	2.5409	5.8776	2.9541
40.0	4.3565	1.2100	4.6431	1.5525	4.8813	1.9074	5.0856	2.2727	5.2571	2.6422
35.0	4.0751	1.1319	4.3432	1.4523	4.5661	1.7842	4.7571	2.1259	4.9175	2.4715
30.0	3.7728	1.0479	4.0210	1.3445	4.2273	1.6518	4.4042	1.9681	4.5528	2.2882
25.0	3.4441	0.9566	3.6707	1.2274	3.8590	1.5079	4.0205	1.7967	4.1561	2.0889
20.0	3.0805	0.8556	3.2832	1.0978	3.4516	1.3487	3.5960	1.6070	3.7173	1.8683
18.0	2.9224	0.8117	3.1147	1.0415	3.2745	1.2795	3.4115	1.5245	3.5265	1.7724
16.0	2.7553	0.7653	2.9366	0.9819	3.0872	1.2063	3.2164	1.4373	3.3249	1.6711
15.0	2.6678	0.7410	2.8433	0.9507	2.9892	1.1680	3.1143	1.3917	3.2193	1.6180
14.0	2.5773	0.7158	2.7469	0.9185	2.8878	1.1284	3.0087	1.3445	3.1101	1.5631
12.0	2.3861	0.6627	2.5431	0.8503	2.6736	1.0447	2.7855	1.2448	2.8794	1.4472
10.0	2.1782	0.6050	2.3215	0.7762	2.4407	0.9537	2.5428	1.1363	2.6285	1.3211
9.0	2.0665	0.5740	2.2024	0.7364	2.3154	0.9047	2.4123	1.0780	2.4936	1.2533
8.5	2.0082	0.5578	2.1404	0.7157	2.2502	0.8793	2.3443	1.0476	2.4234	1.2180
8.0	1.9483	0.5411	2.0765	0.6943	2.1830	0.8530	2.2743	1.0163	2.3510	1.1816
7.5	1.8864	0.5239	2.0105	0.6723	2.1137	0.8259	2.2021	0.9841	2.2764	1.1441
7.0	1.8224	0.5062	1.9423	0.6495	2.0420	0.7979	2.1274	0.9507	2.1992	1.1053
6.5	1.7562	0.4878	1.8717	0.6258	1.9677	0.7689	2.0501	0.9161	2.1192	1.0651
6.0	1.6873	0.4686	1.7983	0.6013	1.8905	0.7387	1.9696	0.8802	2.0361	1.0233
5.5	1.6154	0.4487	1.7217	0.5757	1.8100	0.7073	1.8858	0.8427	1.9494	0.9798
5.0	1.5402	0.4278	1.6416	0.5489	1.7258	0.6744	1.7980	0.8035	1.8587	0.9342
4.5	1.4612	0.4058	1.5573	0.5207	1.6372	0.6397	1.7057	0.7622	1.7633	0.8862
4.0	1.3776	0.3826	1.4683	0.4910	1.5436	0.6032	1.6082	0.7187	1.6624	0.8355
3.5	1.2887	0.3579	1.3734	0.4592	1.4439	0.5642	1.5043	0.6722	1.5551	0.7816
3.0	1.1931	0.3314	1.2716	0.4252	1.3368	0.5224	1.3927	0.6224	1.4397	0.7236
2.5	1.0891	0.3025	1.1608	0.3881	1.2203	0.4768	1.2714	0.5682	1.3143	0.6606
2.0	0.9741	0.2706	1.0382	0.3471	1.0915	0.4265	1.1372	0.5082	1.1755	0.5908
1.5	0.8436	0.2343	0.8991	0.3006	0.9453	0.3694	0.9848	0.4401	1.0180	0.5116
1.0	0.6888	0.1913	0.7341	0.2455	0.7718	0.3016	0.8041	0.3593	0.8312	0.4178

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	700×1000		700×1100		700×1200		700×1300		700×1400		700×1500	
流水断面積 A(m ²)	0.5586		0.6146		0.6706		0.7266		0.7826		0.8386	
潤 辺 P(m)	2.296		2.456		2.616		2.776		2.936		3.096	
径 深 R(m)	0.2433		0.2502		0.2563		0.2617		0.2666		0.2709	
粗 度 係 数 n	0.0144		0.0144		0.0143		0.0142		0.0142		0.0141	
	V	Q	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	10.4820	5.8552	10.6793	6.5635	10.9280	7.3283	11.1590	8.1081	11.2979	8.8417	11.5000	9.6439
100.0	8.5585	4.7808	8.7196	5.3591	8.9227	5.9836	9.1113	6.6203	9.2247	7.2193	9.3897	7.8742
75.0	7.4119	4.1403	7.5514	4.6411	7.7273	5.1819	7.8906	5.7333	7.9888	6.2520	8.1318	6.8193
50.0	6.0518	3.3805	6.1657	3.7894	6.3093	4.2310	6.4427	4.6813	6.5228	5.1047	6.6395	5.5679
40.0	5.4129	3.0236	5.5147	3.3893	5.6432	3.7843	5.7625	4.1870	5.8342	4.5658	5.9386	4.9801
35.0	5.0633	2.8284	5.1586	3.1705	5.2787	3.5399	5.3903	3.9166	5.4574	4.2710	5.5550	4.6584
30.0	4.6877	2.6185	4.7759	2.9353	4.8872	3.2774	4.9905	3.6261	5.0526	3.9542	5.1430	4.3129
25.0	4.2793	2.3904	4.3598	2.6795	4.4614	2.9918	4.5557	3.3102	4.6123	3.6096	4.6949	3.9371
20.0	3.8275	2.1380	3.8995	2.3966	3.9904	2.6760	4.0747	2.9607	4.1254	3.2285	4.1992	3.5214
18.0	3.6311	2.0283	3.6994	2.2737	3.7856	2.5386	3.8656	2.8087	3.9137	3.0629	3.9837	3.3407
16.0	3.4234	1.9123	3.4878	2.1436	3.5691	2.3934	3.6445	2.6481	3.6899	2.8877	3.7559	3.1497
15.0	3.3147	1.8516	3.3771	2.0756	3.4557	2.3174	3.5288	2.5640	3.5727	2.7960	3.6366	3.0497
14.0	3.2023	1.7888	3.2626	2.0052	3.3386	2.2389	3.4091	2.4771	3.4516	2.7012	3.5133	2.9463
12.0	2.9648	1.6561	3.0206	1.8565	3.0909	2.0728	3.1563	2.2934	3.1955	2.5008	3.2527	2.7277
10.0	2.7064	1.5118	2.7574	1.6947	2.8216	1.8922	2.8812	2.0935	2.9171	2.2829	2.9693	2.4901
9.0	2.5676	1.4343	2.6159	1.6077	2.6768	1.7951	2.7334	1.9861	2.7674	2.1658	2.8169	2.3623
8.5	2.4952	1.3938	2.5422	1.5624	2.6014	1.7445	2.6564	1.9301	2.6894	2.1047	2.7376	2.2958
8.0	2.4207	1.3522	2.4663	1.5158	2.5237	1.6924	2.5771	1.8725	2.6091	2.0419	2.6558	2.2272
7.5	2.3438	1.3092	2.3880	1.4677	2.4436	1.6387	2.4952	1.8130	2.5263	1.9771	2.5715	2.1565
7.0	2.2644	1.2649	2.3070	1.4179	2.3607	1.5831	2.4106	1.7515	2.4406	1.9100	2.4843	2.0833
6.5	2.1820	1.2189	2.2231	1.3663	2.2749	1.5255	2.3229	1.6878	2.3518	1.8405	2.3939	2.0075
6.0	2.0964	1.1710	2.1359	1.3127	2.1856	1.4657	2.2318	1.6216	2.2596	1.7684	2.3000	1.9288
5.5	2.0072	1.1212	2.0449	1.2568	2.0926	1.4033	2.1368	1.5526	2.1634	1.6931	2.2021	1.8467
5.0	1.9137	1.0690	1.9498	1.1983	1.9952	1.3380	2.0374	1.4804	2.0627	1.6143	2.0996	1.7607
4.5	1.8155	1.0141	1.8497	1.1368	1.8928	1.2693	1.9328	1.4044	1.9569	1.5315	1.9919	1.6704
4.0	1.7117	0.9562	1.7439	1.0718	1.7845	1.1967	1.8223	1.3241	1.8449	1.4438	1.8779	1.5748
3.5	1.6012	0.8944	1.6313	1.0026	1.6693	1.1194	1.7046	1.2386	1.7258	1.3506	1.7567	1.4732
3.0	1.4824	0.8281	1.5103	0.9282	1.5455	1.0364	1.5781	1.1466	1.5978	1.2504	1.6264	1.3639
2.5	1.3532	0.7559	1.3787	0.8473	1.4108	0.9461	1.4406	1.0467	1.4586	1.1415	1.4846	1.2450
2.0	1.2104	0.6761	1.2331	0.7579	1.2619	0.8462	1.2885	0.9362	1.3046	1.0210	1.3279	1.1136
1.5	1.0482	0.5855	1.0679	0.6563	1.0928	0.7328	1.1159	0.8108	1.1298	0.8842	1.1500	0.9644
1.0	0.8559	0.4781	0.8720	0.5359	0.8923	0.5984	0.9111	0.6620	0.9225	0.7219	0.9390	0.7874

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	800×600		800×700		800×800		800×900		800×1000	
流水断面積 A(m ²)	0.382214		0.44659		0.51072		0.57472		0.63872	
潤 辺 P(m)	1.76		1.918		2.076		2.236		2.396	
径 深 R(m)	0.2172		0.2328		0.246		0.257		0.2666	
粗 度 係 数 n	0.0149		0.0148		0.0147		0.0146		0.0145	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	9.3922	3.5898	9.9031	4.4226	10.3439	5.2828	10.7230	6.1627	11.0641	7.0669
100.0	7.6687	2.9311	8.0859	3.6111	8.4458	4.3134	8.7553	5.0318	9.0338	5.7701
75.0	6.6413	2.5384	7.0026	3.1273	7.3143	3.7356	7.5823	4.3577	7.8235	4.9970
50.0	5.4226	2.0726	5.7176	2.5534	5.9721	3.0501	6.1909	3.5580	6.3879	4.0801
40.0	4.8501	1.8538	5.1140	2.2839	5.3416	2.7281	5.5373	3.1824	5.7135	3.6493
35.0	4.5368	1.7340	4.7837	2.1364	4.9966	2.5519	5.1797	2.9769	5.3445	3.4136
30.0	4.2003	1.6054	4.4288	1.9779	4.6259	2.3625	4.7955	2.7561	4.9480	3.1604
25.0	3.8343	1.4655	4.0429	1.8055	4.2229	2.1567	4.3776	2.5159	4.5169	2.8850
20.0	3.4295	1.3108	3.6161	1.6149	3.7771	1.9290	3.9155	2.2503	4.0401	2.5805
18.0	3.2535	1.2435	3.4305	1.5320	3.5832	1.8300	3.7145	2.1348	3.8327	2.4480
16.0	3.0675	1.1724	3.2343	1.4444	3.3783	1.7254	3.5021	2.0127	3.6135	2.3080
15.0	2.9701	1.1352	3.1316	1.3985	3.2710	1.6706	3.3909	1.9488	3.4988	2.2348
14.0	2.8694	1.0967	3.0255	1.3512	3.1601	1.6139	3.2759	1.8827	3.3802	2.1590
12.0	2.6565	1.0154	2.8010	1.2509	2.9257	1.4942	3.0329	1.7431	3.1294	1.9988
10.0	2.4250	0.9269	2.5570	1.1419	2.6708	1.3640	2.7687	1.5912	2.8567	1.8246
9.0	2.3006	0.8793	2.4258	1.0833	2.5337	1.2940	2.6266	1.5096	2.7102	1.7311
8.5	2.2358	0.8546	2.3574	1.0528	2.4623	1.2575	2.5526	1.4670	2.6338	1.6823
8.0	2.1690	0.8290	2.2870	1.0214	2.3888	1.2200	2.4764	1.4232	2.5552	1.6321
7.5	2.1002	0.8027	2.2144	0.9889	2.3130	1.1813	2.3977	1.3780	2.4740	1.5802
7.0	2.0289	0.7755	2.1393	0.9554	2.2345	1.1412	2.3164	1.3313	2.3901	1.5266
6.5	1.9551	0.7473	2.0615	0.9206	2.1533	1.0997	2.2322	1.2829	2.3032	1.4711
6.0	1.8784	0.7180	1.9806	0.8845	2.0688	1.0566	2.1446	1.2325	2.2128	1.4134
5.5	1.7985	0.6874	1.8963	0.8469	1.9807	1.0116	2.0533	1.1801	2.1186	1.3532
5.0	1.7148	0.6554	1.8081	0.8075	1.8885	0.9645	1.9577	1.1251	2.0200	1.2902
4.5	1.6268	0.6218	1.7153	0.7660	1.7916	0.9150	1.8573	1.0674	1.9164	1.2240
4.0	1.5337	0.5862	1.6172	0.7222	1.6892	0.8627	1.7511	1.0064	1.8068	1.1540
3.5	1.4347	0.5484	1.5127	0.6756	1.5801	0.8070	1.6380	0.9414	1.6901	1.0795
3.0	1.3283	0.5077	1.4005	0.6254	1.4629	0.7471	1.5165	0.8716	1.5647	0.9994
2.5	1.2125	0.4634	1.2785	0.5710	1.3354	0.6820	1.3843	0.7956	1.4284	0.9123
2.0	1.0845	0.4145	1.1435	0.5107	1.1944	0.6100	1.2382	0.7116	1.2776	0.8160
1.5	0.9392	0.3590	0.9903	0.4423	1.0344	0.5283	1.0723	0.6163	1.1064	0.7067
1.0	0.7669	0.2931	0.8086	0.3611	0.8446	0.4314	0.8755	0.5032	0.9034	0.5770

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	800×1100		800×1200		800×1300		800×1400		800×1500	
流水断面積 A(m ²)	0.70272		0.76672		0.83072		0.89472		0.95872	
潤 辺 P(m)	2.556		2.716		2.876		3.036		3.196	
径 深 R(m)	0.2749		0.2823		0.2888		0.2947		0.3	
粗 度 係 数 n	0.0145		0.0144		0.0143		0.0143		0.0142	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	11.2926	7.9355	11.5742	8.8742	11.8334	9.8302	11.9940	10.7313	12.2228	11.7182
100.0	9.2204	6.4794	9.4503	7.2457	9.6619	8.0263	9.7930	8.7620	9.9799	9.5679
75.0	7.9851	5.6113	8.1842	6.2750	8.3674	6.9510	8.4810	7.5881	8.6428	8.2860
50.0	6.5198	4.5816	6.6824	5.1235	6.8320	5.6755	6.9247	6.1957	7.0568	6.7655
40.0	5.8315	4.0979	5.9769	4.5826	6.1107	5.0763	6.1937	5.5416	6.3118	6.0512
35.0	5.4548	3.8332	5.5909	4.2867	5.7161	4.7485	5.7936	5.1836	5.9042	5.6605
30.0	5.0502	3.5489	5.1761	3.9686	5.2920	4.3962	5.3639	4.7992	5.4662	5.2406
25.0	4.6102	3.2397	4.7251	3.6228	4.8309	4.0131	4.8965	4.3810	4.9899	4.7839
20.0	4.1235	2.8977	4.2263	3.2404	4.3209	3.5895	4.3796	3.9185	4.4631	4.2789
18.0	3.9119	2.7490	4.0094	3.0741	4.0992	3.4053	4.1548	3.7174	4.2341	4.0593
16.0	3.6881	2.5917	3.7801	2.8983	3.8648	3.2106	3.9172	3.5048	3.9920	3.8272
15.0	3.5710	2.5094	3.6601	2.8063	3.7420	3.1086	3.7928	3.3935	3.8652	3.7056
14.0	3.4499	2.4243	3.5360	2.7111	3.6151	3.0031	3.6642	3.2784	3.7341	3.5800
12.0	3.1940	2.2445	3.2737	2.5100	3.3470	2.7804	3.3924	3.0352	3.4571	3.3144
10.0	2.9157	2.0489	2.9884	2.2913	3.0554	2.5382	3.0968	2.7708	3.1559	3.0256
9.0	2.7661	1.9438	2.8351	2.1737	2.8986	2.4079	2.9379	2.6286	2.9940	2.8704
8.5	2.6882	1.8891	2.7552	2.1125	2.8169	2.3401	2.8551	2.5545	2.9096	2.7895
8.0	2.6079	1.8326	2.6729	2.0494	2.7328	2.2702	2.7699	2.4783	2.8227	2.7062
7.5	2.5251	1.7744	2.5881	1.9843	2.6460	2.1981	2.6819	2.3995	2.7331	2.6203
7.0	2.4395	1.7143	2.5003	1.9170	2.5563	2.1236	2.5910	2.3182	2.6404	2.5314
6.5	2.3507	1.6519	2.4094	1.8473	2.4633	2.0463	2.4967	2.2338	2.5444	2.4394
6.0	2.2585	1.5871	2.3148	1.7748	2.3667	1.9661	2.3988	2.1463	2.4446	2.3437
5.5	2.1624	1.5196	2.2163	1.6993	2.2659	1.8823	2.2967	2.0549	2.3405	2.2439
5.0	2.0617	1.4488	2.1131	1.6202	2.1605	1.7948	2.1898	1.9593	2.2316	2.1395
4.5	1.9559	1.3745	2.0047	1.5370	2.0496	1.7026	2.0774	1.8587	2.1171	2.0297
4.0	1.8441	1.2959	1.8901	1.4492	1.9324	1.6053	1.9586	1.7524	1.9960	1.9136
3.5	1.7250	1.2122	1.7680	1.3556	1.8076	1.5016	1.8321	1.6392	1.8671	1.7900
3.0	1.5970	1.1222	1.6368	1.2550	1.6735	1.3902	1.6962	1.5176	1.7286	1.6572
2.5	1.4579	1.0245	1.4942	1.1456	1.5277	1.2691	1.5484	1.3854	1.5780	1.5129
2.0	1.3040	0.9163	1.3365	1.0247	1.3664	1.1351	1.3849	1.2391	1.4114	1.3531
1.5	1.1293	0.7936	1.1574	0.8874	1.1833	0.9830	1.1994	1.0731	1.2223	1.1718
1.0	0.9220	0.6479	0.9450	0.7246	0.9662	0.8026	0.9793	0.8762	0.9980	0.9568

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	900×700		900×800		900×900		900×1000		900×1100	
流水断面積 A(m ²)	0.50243		0.57456		0.64656		0.71856		0.79056	
潤 辺 P(m)	2.018		2.176		2.336		2.496		2.656	
径 深 R(m)	0.249		0.264		0.2768		0.2879		0.2977	
粗 度 係 数 n	0.0149		0.0148		0.0147		0.0146		0.0146	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	10.2879	5.1689	10.7693	6.1876	11.1902	7.2351	11.5661	8.3109	11.8271	9.3500
100.0	8.4000	4.2204	8.7931	5.0522	9.1368	5.9075	9.4437	6.7859	9.6568	7.6343
75.0	7.2746	3.6550	7.6150	4.3753	7.9127	5.1160	8.1785	5.8767	8.3630	6.6115
50.0	5.9397	2.9843	6.2176	3.5724	6.4607	4.1772	6.6777	4.7983	6.8284	5.3983
40.0	5.3126	2.6692	5.5612	3.1952	5.7786	3.7362	5.9727	4.2917	6.1075	4.8283
35.0	4.9695	2.4968	5.2021	2.9889	5.4054	3.4949	5.5870	4.0146	5.7130	4.5165
30.0	4.6009	2.3116	4.8162	2.7672	5.0044	3.2356	5.1725	3.7168	5.2892	4.1814
25.0	4.2000	2.1102	4.3965	2.5261	4.5684	2.9537	4.7218	3.3929	4.8284	3.8171
20.0	3.7566	1.8874	3.9324	2.2594	4.0861	2.6419	4.2233	3.0347	4.3187	3.4142
18.0	3.5638	1.7906	3.7306	2.1435	3.8764	2.5063	4.0066	2.8790	4.0970	3.2389
16.0	3.3600	1.6882	3.5172	2.0208	3.6547	2.3630	3.7775	2.7144	3.8627	3.0537
15.0	3.2533	1.6346	3.4055	1.9567	3.5387	2.2880	3.6575	2.6281	3.7401	2.9568
14.0	3.1430	1.5791	3.2901	1.8904	3.4187	2.2104	3.5335	2.5390	3.6132	2.8565
12.0	2.9098	1.4620	3.0460	1.7501	3.1651	2.0464	3.2714	2.3507	3.3452	2.6446
10.0	2.6563	1.3346	2.7806	1.5976	2.8893	1.8681	2.9864	2.1459	3.0537	2.4141
9.0	2.5200	1.2661	2.6379	1.5156	2.7410	1.7722	2.8331	2.0358	2.8970	2.2903
8.5	2.4490	1.2305	2.5636	1.4729	2.6638	1.7223	2.7533	1.9784	2.8154	2.2257
8.0	2.3759	1.1937	2.4871	1.4290	2.5843	1.6709	2.6711	1.9193	2.7314	2.1593
7.5	2.3004	1.1558	2.4081	1.3836	2.5022	1.6178	2.5863	1.8584	2.6446	2.0907
7.0	2.2224	1.1166	2.3264	1.3367	2.4174	1.5630	2.4986	1.7954	2.5549	2.0198
6.5	2.1416	1.0760	2.2418	1.2880	2.3294	1.5061	2.4077	1.7301	2.4620	1.9464
6.0	2.0576	1.0338	2.1539	1.2375	2.2380	1.4470	2.3132	1.6622	2.3654	1.8700
5.5	1.9700	0.9898	2.0622	1.1849	2.1428	1.3854	2.2147	1.5914	2.2647	1.7904
5.0	1.8783	0.9437	1.9662	1.1297	2.0430	1.3209	2.1117	1.5174	2.1593	1.7071
4.5	1.7819	0.8953	1.8653	1.0717	1.9382	1.2532	2.0033	1.4395	2.0485	1.6195
4.0	1.6800	0.8441	1.7586	1.0104	1.8274	1.1815	1.8887	1.3571	1.9314	1.5269
3.5	1.5715	0.7896	1.6450	0.9452	1.7093	1.1052	1.7668	1.2696	1.8066	1.4282
3.0	1.4549	0.7310	1.5230	0.8751	1.5825	1.0232	1.6357	1.1753	1.6726	1.3223
2.5	1.3282	0.6673	1.3903	0.7988	1.4447	0.9341	1.4932	1.0730	1.5269	1.2071
2.0	1.1879	0.5968	1.2435	0.7145	1.2921	0.8354	1.3355	0.9596	1.3657	1.0797
1.5	1.0288	0.5169	1.0769	0.6187	1.1190	0.7235	1.1566	0.8311	1.1827	0.9350
1.0	0.8400	0.4220	0.8793	0.5052	0.9137	0.5908	0.9444	0.6786	0.9657	0.7634

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	900×1200		900×1300		900×1400		900×1500	
流水断面積 A(m ²)	0.86256		0.93456		1.00656		1.07856	
潤 辺 P(m)	2.816		2.976		3.136		3.296	
径 深 R(m)	0.3063		0.314		0.321		0.3272	
粗 度 係 数 n	0.0145		0.0144		0.0144		0.0143	
	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	12.1369	10.4688	12.4252	11.6121	12.6092	12.6919	12.8603	13.8706
100.0	9.9098	8.5478	10.1451	9.4812	10.2953	10.3628	10.5004	11.3253
75.0	8.5821	7.4026	8.7859	8.2110	8.9160	8.9745	9.0936	9.8080
50.0	7.0073	6.0442	7.1737	6.7043	7.2799	7.3277	7.4249	8.0082
40.0	6.2675	5.4061	6.4163	5.9964	6.5113	6.5540	6.6410	7.1627
35.0	5.8627	5.0569	6.0019	5.6091	6.0908	6.1308	6.2121	6.7001
30.0	5.4278	4.6818	5.5567	5.1931	5.6390	5.6760	5.7513	6.2031
25.0	4.9549	4.2739	5.0726	4.7406	5.1477	5.1815	5.2502	5.6627
20.0	4.4318	3.8227	4.5370	4.2401	4.6042	4.6344	4.6959	5.0648
18.0	4.2044	3.6265	4.3042	4.0225	4.3679	4.3966	4.4549	4.8049
16.0	3.9639	3.4191	4.0580	3.7924	4.1181	4.1451	4.2002	4.5302
15.0	3.8380	3.3105	3.9292	3.6721	3.9874	4.0136	4.0668	4.3863
14.0	3.7079	3.1983	3.7960	3.5476	3.8522	3.8775	3.9289	4.2376
12.0	3.4328	2.9610	3.5144	3.2844	3.5664	3.5898	3.6374	3.9232
10.0	3.1337	2.7030	3.2082	2.9983	3.2557	3.2771	3.3205	3.5814
9.0	2.9729	2.5643	3.0435	2.8443	3.0886	3.1089	3.1501	3.3976
8.5	2.8892	2.4921	2.9578	2.7642	3.0016	3.0213	3.0614	3.3019
8.0	2.8029	2.4177	2.8695	2.6817	2.9120	2.9311	2.9700	3.2033
7.5	2.7139	2.3409	2.7784	2.5966	2.8195	2.8380	2.8757	3.1016
7.0	2.6219	2.2615	2.6841	2.5085	2.7239	2.7418	2.7781	2.9963
6.5	2.5265	2.1793	2.5865	2.4172	2.6248	2.6420	2.6771	2.8874
6.0	2.4274	2.0938	2.4850	2.3224	2.5218	2.5383	2.5721	2.7742
5.5	2.3240	2.0046	2.3792	2.2235	2.4145	2.4303	2.4626	2.6561
5.0	2.2159	1.9113	2.2685	2.1200	2.3021	2.3172	2.3480	2.5325
4.5	2.1022	1.8133	2.1521	2.0113	2.1840	2.1983	2.2275	2.4025
4.0	1.9820	1.7096	2.0290	1.8962	2.0591	2.0726	2.1001	2.2651
3.5	1.8539	1.5991	1.8980	1.7738	1.9261	1.9387	1.9644	2.1187
3.0	1.7164	1.4805	1.7572	1.6422	1.7832	1.7949	1.8187	1.9616
2.5	1.5669	1.3515	1.6041	1.4991	1.6278	1.6385	1.6603	1.7907
2.0	1.4015	1.2089	1.4347	1.3408	1.4560	1.4656	1.4850	1.6017
1.5	1.2137	1.0469	1.2425	1.1612	1.2609	1.2692	1.2860	1.3870
1.0	0.9910	0.8548	1.0145	0.9481	1.0295	1.0363	1.0500	1.1325

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	1000×800		1000×900		1000×1000		1000×1100		1000×1200	
流水断面積 A(m ²)	0.6384		0.7184		0.7984		0.8784		0.9584	
潤 辺 P(m)	2.276		2.436		2.596		2.756		2.916	
径 深 R(m)	0.2805		0.2949		0.3076		0.3187		0.3287	
粗 度 係 数 n	0.0149		0.0148		0.0147		0.0146		0.0146	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	11.1382	7.1106	11.5940	8.3291	12.0057	9.5854	12.3770	10.8720	12.6345	12.1089
100.0	9.0943	5.8058	9.4665	6.8007	9.8026	7.8264	10.1057	8.8768	10.3161	9.8870
75.0	7.8759	5.0280	8.1982	5.8896	8.4893	6.7779	8.7518	7.6876	8.9340	8.5623
50.0	6.4306	4.1053	6.6938	4.8088	6.9315	5.5341	7.1458	6.2769	7.2946	6.9911
40.0	5.7517	3.6719	5.9871	4.3011	6.1997	4.9498	6.3914	5.6142	6.5244	6.2530
35.0	5.3803	3.4348	5.6004	4.0233	5.7993	4.6302	5.9786	5.2516	6.1031	5.8492
30.0	4.9811	3.1799	5.1850	3.7249	5.3691	4.2867	5.5351	4.8620	5.6503	5.4152
25.0	4.5471	2.9029	4.7332	3.4003	4.9013	3.9132	5.0529	4.4385	5.1580	4.9434
20.0	4.0671	2.5964	4.2335	3.0413	4.3838	3.5000	4.5194	3.9698	4.6135	4.4216
18.0	3.8584	2.4632	4.0163	2.8853	4.1589	3.3205	4.2875	3.7661	4.3767	4.1946
16.0	3.6377	2.3223	3.7866	2.7203	3.9210	3.1305	4.0423	3.5508	4.1264	3.9547
15.0	3.5222	2.2486	3.6663	2.6339	3.7965	3.0311	3.9139	3.4380	3.9954	3.8292
14.0	3.4028	2.1723	3.5420	2.5446	3.6678	2.9284	3.7812	3.3214	3.8599	3.6993
12.0	3.1504	2.0112	3.2793	2.3558	3.3957	2.7111	3.5007	3.0750	3.5736	3.4249
10.0	2.8759	1.8360	2.9936	2.1506	3.0998	2.4749	3.1957	2.8071	3.2622	3.1265
9.0	2.7283	1.7417	2.8399	2.0402	2.9408	2.3479	3.0317	2.6630	3.0948	2.9661
8.5	2.6514	1.6927	2.7599	1.9827	2.8579	2.2817	2.9463	2.5880	3.0076	2.8825
8.0	2.5723	1.6422	2.6775	1.9235	2.7726	2.2136	2.8583	2.5107	2.9178	2.7964
7.5	2.4906	1.5900	2.5925	1.8625	2.6845	2.1433	2.7676	2.4311	2.8252	2.7077
7.0	2.4061	1.5361	2.5046	1.7993	2.5935	2.0707	2.6737	2.3486	2.7294	2.6159
6.5	2.3186	1.4802	2.4135	1.7339	2.4992	1.9954	2.5765	2.2632	2.6301	2.5207
6.0	2.2276	1.4221	2.3188	1.6658	2.4011	1.9170	2.4754	2.1744	2.5269	2.4218
5.5	2.1328	1.3616	2.2201	1.5949	2.2989	1.8354	2.3700	2.0818	2.4193	2.3187
5.0	2.0335	1.2982	2.1168	1.5207	2.1919	1.7500	2.2597	1.9849	2.3067	2.2107
4.5	1.9292	1.2316	2.0081	1.4426	2.0794	1.6602	2.1438	1.8831	2.1884	2.0974
4.0	1.8189	1.1612	1.8933	1.3601	1.9605	1.5653	2.0211	1.7753	2.0632	1.9774
3.5	1.7014	1.0862	1.7710	1.2723	1.8339	1.4642	1.8906	1.6607	1.9300	1.8497
3.0	1.5752	1.0056	1.6396	1.1779	1.6979	1.3556	1.7504	1.5376	1.7868	1.7125
2.5	1.4379	0.9180	1.4968	1.0753	1.5499	1.2374	1.5979	1.4036	1.6311	1.5632
2.0	1.2861	0.8210	1.3388	0.9618	1.3863	1.1068	1.4292	1.2554	1.4589	1.3982
1.5	1.1138	0.7110	1.1594	0.8329	1.2006	0.9586	1.2377	1.0872	1.2635	1.2109
1.0	0.9094	0.5806	0.9466	0.6800	0.9803	0.7827	1.0106	0.8877	1.0316	0.9887

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	1000×1300		1000×1400		1000×1500	
流水断面積 A(m ²)	1.0384		1.1184		1.1984	
潤 辺 P(m)	3.076		3.236		3.396	
径 深 R(m)	0.3376		0.3456		0.3529	
粗 度 係 数 n	0.0145		0.0145		0.0144	
	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	12.9503	13.4476	13.1541	14.7115	13.4313	16.0961
100.0	10.5739	10.9799	10.7403	12.0120	10.9666	13.1424
75.0	9.1572	9.5088	9.3013	10.4026	9.4974	11.3817
50.0	7.4768	7.7639	7.5945	8.4937	7.7546	9.2931
40.0	6.6875	6.9443	6.7927	7.5970	6.9359	8.3120
35.0	6.2556	6.4958	6.3540	7.1063	6.4879	7.7751
30.0	5.7915	6.0139	5.8827	6.5792	6.0067	7.1984
25.0	5.2869	5.4899	5.3701	6.0059	5.4833	6.5712
20.0	4.7288	4.9104	4.8032	5.3719	4.9044	5.8774
18.0	4.4861	4.6584	4.5567	5.0962	4.6527	5.5758
16.0	4.2295	4.3919	4.2961	4.8048	4.3866	5.2569
15.0	4.0952	4.2525	4.1597	4.6522	4.2473	5.0900
14.0	3.9564	4.1083	4.0186	4.4944	4.1033	4.9174
12.0	3.6629	3.8036	3.7205	4.1610	3.7989	4.5526
10.0	3.3437	3.4721	3.3964	3.7985	3.4679	4.1559
9.0	3.1722	3.2940	3.2221	3.6036	3.2900	3.9427
8.5	3.0828	3.2012	3.1313	3.5020	3.1973	3.8316
8.0	2.9907	3.1055	3.0378	3.3975	3.1018	3.7172
7.5	2.8958	3.0070	2.9413	3.2895	3.0033	3.5992
7.0	2.7976	2.9050	2.8416	3.1780	2.9015	3.4772
6.5	2.6958	2.7993	2.7382	3.0624	2.7959	3.3506
6.0	2.5901	2.6896	2.6308	2.9423	2.6863	3.2193
5.5	2.4798	2.5750	2.5188	2.8170	2.5719	3.0822
5.0	2.3644	2.4552	2.4016	2.6859	2.4522	2.9387
4.5	2.2431	2.3292	2.2784	2.5482	2.3264	2.7880
4.0	2.1148	2.1960	2.1481	2.4024	2.1933	2.6285
3.5	1.9782	2.0542	2.0093	2.2472	2.0517	2.4588
3.0	1.8314	1.9017	1.8603	2.0806	1.8995	2.2764
2.5	1.6719	1.7361	1.6982	1.8993	1.7340	2.0780
2.0	1.4954	1.5528	1.5189	1.6987	1.5509	1.8586
1.5	1.2950	1.3447	1.3154	1.4711	1.3431	1.6096
1.0	1.0574	1.0980	1.0740	1.2012	1.0967	1.3143

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	1200×800		1200×900		1200×1000		1200×1100		1200×1200	
流水断面積 A(m ²)	0.7661		0.8621		0.9581		1.0541		1.1501	
潤 辺 P(m)	2.477		2.637		2.797		2.957		3.117	
径 深 R(m)	0.3093		0.3269		0.3425		0.3565		0.369	
粗 度 係 数 n	0.0145		0.0144		0.0143		0.0143		0.0142	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	12.2161	9.3588	12.7632	11.0032	13.2582	12.7027	13.6170	14.3537	14.0316	16.1377
100.0	9.9744	7.6414	10.4211	8.9840	10.8252	10.3716	11.1183	11.7198	11.4568	13.1765
75.0	8.6381	6.6176	9.0249	7.7804	9.3749	8.9821	9.6287	10.1496	9.9219	11.4112
50.0	7.0529	5.4032	7.3688	6.3526	7.6546	7.3339	7.8618	8.2871	8.1012	9.3172
40.0	6.3083	4.8328	6.5909	5.6820	6.8465	6.5596	7.0318	7.4122	7.2459	8.3335
35.0	5.9009	4.5207	6.1652	5.3150	6.4043	6.1360	6.5777	6.9336	6.7779	7.7953
30.0	5.4632	4.1854	5.7079	4.9208	5.9292	5.6808	6.0897	6.4192	6.2751	7.2170
25.0	4.9872	3.8207	5.2106	4.4921	5.4126	5.1858	5.5591	5.8598	5.7284	6.5882
20.0	4.4607	3.4173	4.6605	4.0178	4.8412	4.6384	4.9722	5.2412	5.1236	5.8927
18.0	4.2318	3.2420	4.4213	3.8116	4.5928	4.4004	4.7171	4.9723	4.8607	5.5903
16.0	3.9897	3.0565	4.1684	3.5936	4.3301	4.1487	4.4473	4.6879	4.5827	5.2706
15.0	3.8631	2.9595	4.0361	3.4795	4.1926	4.0169	4.3061	4.5391	4.4372	5.1032
14.0	3.7321	2.8592	3.8992	3.3615	4.0504	3.8807	4.1601	4.3852	4.2867	4.9301
12.0	3.4552	2.6470	3.6100	3.1122	3.7500	3.5929	3.8515	4.0599	3.9687	4.5644
10.0	3.1542	2.4164	3.2954	2.8410	3.4232	3.2798	3.5159	3.7061	3.6230	4.1668
9.0	2.9923	2.2924	3.1263	2.6952	3.2476	3.1115	3.3355	3.5160	3.4370	3.9529
8.5	2.9080	2.2278	3.0383	2.6193	3.1561	3.0239	3.2415	3.4169	3.3402	3.8416
8.0	2.8212	2.1613	2.9475	2.5410	3.0618	2.9335	3.1447	3.3148	3.2405	3.7269
7.5	2.7316	2.0927	2.8539	2.4603	2.9646	2.8404	3.0449	3.2096	3.1376	3.6086
7.0	2.6390	2.0217	2.7572	2.3770	2.8641	2.7441	2.9416	3.1007	3.0312	3.4862
6.5	2.5430	1.9482	2.6569	2.2905	2.7599	2.6443	2.8346	2.9880	2.9209	3.3593
6.0	2.4432	1.8717	2.5526	2.2006	2.6516	2.5405	2.7234	2.8707	2.8063	3.2275
5.5	2.3392	1.7921	2.4440	2.1070	2.5387	2.4323	2.6075	2.7486	2.6869	3.0902
5.0	2.2303	1.7086	2.3302	2.0089	2.4206	2.3192	2.4861	2.6206	2.5618	2.9463
4.5	2.1159	1.6210	2.2107	1.9058	2.2964	2.2002	2.3585	2.4861	2.4304	2.7952
4.0	1.9949	1.5283	2.0842	1.7968	2.1650	2.0743	2.2237	2.3440	2.2914	2.6353
3.5	1.8660	1.4295	1.9496	1.6808	2.0252	1.9403	2.0800	2.1925	2.1434	2.4651
3.0	1.7276	1.3235	1.8050	1.5561	1.8750	1.7964	1.9257	2.0299	1.9844	2.2823
2.5	1.5771	1.2082	1.6477	1.4205	1.7116	1.6399	1.7580	1.8531	1.8115	2.0834
2.0	1.4106	1.0807	1.4738	1.2706	1.5309	1.4668	1.5724	1.6575	1.6202	1.8634
1.5	1.2216	0.9359	1.2763	1.1003	1.3258	1.2702	1.3617	1.4354	1.4032	1.6138
1.0	0.9974	0.7641	1.0421	0.8984	1.0825	1.0371	1.1118	1.1719	1.1457	1.3177

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	1200×1300		1200×1400		1200×1500		1200×1600		1200×1700	
流水断面積 A(m ²)	1.2461		1.3421		1.4381		1.5341		1.6301	
潤 辺 P(m)	3.277		3.437		3.597		3.757		3.917	
径 深 R(m)	0.3803		0.3905		0.3998		0.4083		0.4162	
粗 度 係 数 n	0.0141		0.0141		0.0140		0.0140		0.0140	
	V	Q	V	Q	V	Q	V	Q	V	Q
勾 配 (%)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	14.4182	17.9665	14.6749	19.6952	15.0134	21.5908	15.2255	23.3574	15.4212	25.1381
100.0	11.7724	14.6696	11.9820	16.0810	12.2584	17.6288	12.4315	19.0712	12.5914	20.5252
75.0	10.1952	12.7042	10.3767	13.9266	10.6161	15.2670	10.7660	16.5161	10.9045	17.7754
50.0	8.3243	10.3729	8.4725	11.3709	8.6680	12.4655	8.7904	13.4854	8.9035	14.5136
40.0	7.4455	9.2778	7.5781	10.1706	7.7529	11.1494	7.8624	12.0617	7.9635	12.9813
35.0	6.9646	8.6786	7.0886	9.5136	7.2522	10.4294	7.3546	11.2827	7.4492	12.1429
30.0	6.4480	8.0349	6.5628	8.8079	6.7142	9.6557	6.8090	10.4457	6.8966	11.2421
25.0	5.8862	7.3348	5.9910	8.0405	6.1292	8.8144	6.2158	9.5357	6.2957	10.2626
20.0	5.2648	6.5605	5.3585	7.1916	5.4821	7.8838	5.5596	8.5290	5.6310	9.1791
18.0	4.9946	6.2238	5.0835	6.8226	5.2008	7.4793	5.2743	8.0913	5.3421	8.7082
16.0	4.7090	5.8679	4.7928	6.4324	4.9034	7.0516	4.9726	7.6285	5.0366	8.2102
15.0	4.5594	5.6815	4.6406	6.2281	4.7477	6.8277	4.8147	7.3862	4.8766	7.9493
14.0	4.4048	5.4888	4.4832	6.0169	4.5867	6.5961	4.6515	7.1359	4.7113	7.6799
12.0	4.0781	5.0817	4.1507	5.5707	4.2464	6.1067	4.3064	6.6064	4.3618	7.1102
10.0	3.7228	4.6390	3.7890	5.0852	3.8764	5.5747	3.9312	6.0309	3.9817	6.4906
9.0	3.5317	4.4009	3.5946	4.8243	3.6775	5.2886	3.7295	5.7214	3.7774	6.1575
8.5	3.4322	4.2769	3.4933	4.6884	3.5739	5.1396	3.6244	5.5602	3.6710	5.9841
8.0	3.3297	4.1491	3.3890	4.5484	3.4672	4.9862	3.5162	5.3942	3.5614	5.8054
7.5	3.2240	4.0174	3.2814	4.4040	3.3571	4.8278	3.4045	5.2228	3.4483	5.6211
7.0	3.1147	3.8812	3.1701	4.2546	3.2433	4.6642	3.2891	5.0458	3.3314	5.4305
6.5	3.0014	3.7400	3.0548	4.0998	3.1253	4.4945	3.1694	4.8622	3.2102	5.2329
6.0	2.8836	3.5933	2.9350	3.9391	3.0027	4.3182	3.0451	4.6715	3.0842	5.0276
5.5	2.7609	3.4404	2.8100	3.7713	2.8748	4.1342	2.9155	4.4727	2.9529	4.8135
5.0	2.6324	3.2802	2.6793	3.5959	2.7411	3.9420	2.7798	4.2645	2.8155	4.5895
4.5	2.4973	3.1119	2.5418	3.4113	2.6004	3.7396	2.6371	4.0456	2.6710	4.3540
4.0	2.3545	2.9339	2.3964	3.2162	2.4517	3.5258	2.4863	3.8142	2.5183	4.1051
3.5	2.2024	2.7444	2.2416	3.0085	2.2933	3.2980	2.3257	3.5679	2.3556	3.8399
3.0	2.0390	2.5408	2.0753	2.7853	2.1232	3.0534	2.1532	3.3032	2.1809	3.5551
2.5	1.8614	2.3195	1.8945	2.5426	1.9382	2.7873	1.9656	3.0154	1.9909	3.2454
2.0	1.6649	2.0746	1.6945	2.2742	1.7336	2.4931	1.7581	2.6971	1.7807	2.9027
1.5	1.4418	1.7966	1.4675	1.9695	1.5013	2.1590	1.5225	2.3357	1.5421	2.5138
1.0	1.1772	1.4669	1.1982	1.6081	1.2258	1.7628	1.2432	1.9072	1.2591	2.0525

FX防音可変側溝 流速・流量表(マンングの公式による)
8割水深、現場打ちインバート

呼び名	1200×1800		1200×1900		1200×2000	
流水断面積 A(m ²)	1.7261		1.8221		1.9181	
潤 辺 P(m)	4.077		4.237		4.397	
径 深 R(m)	0.4234		0.43		0.4362	
粗 度 係 数 n	0.0139		0.0139		0.0139	
	V	Q	V	Q	V	Q
勾 配 (‰)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)	(m/s)	(m ³ /s)
150.0	15.7108	27.1184	15.8736	28.9233	16.0259	30.7393
100.0	12.8278	22.1421	12.9608	23.6159	13.0851	25.0985
75.0	11.1092	19.1756	11.2244	20.4520	11.3320	21.7359
50.0	9.0706	15.6568	9.1646	16.6988	9.2525	17.7472
40.0	8.1130	14.0038	8.1971	14.9359	8.2757	15.8736
35.0	7.5890	13.0994	7.6677	13.9713	7.7412	14.8484
30.0	7.0261	12.1278	7.0989	12.9349	7.1670	13.7470
25.0	6.4139	11.0710	6.4804	11.8079	6.5425	12.5492
20.0	5.7368	9.9023	5.7962	10.5613	5.8518	11.2243
18.0	5.4424	9.3941	5.4988	10.0194	5.5515	10.6483
16.0	5.1311	8.8568	5.1843	9.4463	5.2340	10.0393
15.0	4.9682	8.5756	5.0197	9.1464	5.0678	9.7205
14.0	4.7997	8.2848	4.8495	8.8363	4.8960	9.3910
12.0	4.4437	7.6703	4.4897	8.1807	4.5328	8.6944
10.0	4.0565	7.0019	4.0986	7.4681	4.1379	7.9369
9.0	3.8483	6.6426	3.8882	7.0847	3.9255	7.5295
8.5	3.7399	6.4554	3.7787	6.8852	3.8149	7.3174
8.0	3.6283	6.2628	3.6659	6.6796	3.7010	7.0989
7.5	3.5130	6.0638	3.5495	6.4675	3.5835	6.8735
7.0	3.3939	5.8582	3.4291	6.2482	3.4620	6.6405
6.5	3.2705	5.6452	3.3044	6.0209	3.3360	6.3988
6.0	3.1422	5.4238	3.1747	5.7846	3.2052	6.1479
5.5	3.0084	5.1928	3.0396	5.5385	3.0687	5.8861
5.0	2.8684	4.9511	2.8981	5.2806	2.9259	5.6122
4.5	2.7212	4.6971	2.7494	5.0097	2.7758	5.3243
4.0	2.5656	4.4285	2.5922	4.7232	2.6170	5.0197
3.5	2.3999	4.1425	2.4247	4.4180	2.4480	4.6955
3.0	2.2218	3.8350	2.2449	4.0904	2.2664	4.3472
2.5	2.0283	3.5010	2.0493	3.7340	2.0689	3.9684
2.0	1.8141	3.1313	1.8329	3.3397	1.8505	3.5494
1.5	1.5711	2.7119	1.5874	2.8924	1.6026	3.0739
1.0	1.2828	2.2142	1.2961	2.3616	1.3085	2.5098