

**COMPARATIVA DE GASTO Y VELOCIDAD ENTRE CAJONES DE SECCION
RECTANGULAR Y TUBERÍA DE SECCION CIRCULAR**

CAJONES RECTANGULARES

	BASE	ALTURA	GASTO (m ³ /s)	VELOCIDAD (m/s)	AREA (m ²)	PERIMETRO (ml)
n de Manning	1250	750	1.02	1.21	0.8363	2.67
0.012	1500	1000	2.03	1.45	1.3988	3.42
	1500	1500	3.50	1.63	2.1488	4.42
Pendiente (al millar)	2000	1000	3.09	1.62	1.8988	3.92
0.001	2000	1500	5.37	1.85	2.8988	4.92
	2000	2000	7.78	1.99	3.8988	5.92
	2500	1000	4.20	1.75	2.3988	4.42
	2500	1500	7.38	2.02	3.6488	5.42
	2500	2000	10.78	2.20	4.8988	6.42
	2500	2500	14.29	2.32	6.1488	7.42
	3000	1000	5.14	1.82	2.8200	4.90
	3000	1500	9.25	2.14	4.3200	5.90
	3000	2000	13.70	2.35	5.8200	6.90
	3000	2500	18.34	2.51	7.3200	7.90
	3000	3000	23.11	2.62	8.8200	8.90
	3500	1000	6.33	1.91	3.3200	5.40
	3500	1500	11.44	2.26	5.0700	6.40
	3500	2000	17.03	2.50	6.8200	7.40
	3500	2500	22.89	2.67	8.5700	8.40
	3500	3000	28.95	2.81	10.3200	9.40
	3500	3500	35.13	2.91	12.0700	10.40

TUBERÍA CIRCULAR

D	GASTO (m ³ /s)	VELOCIDAD (m/s)	AREA (m ²)	PERIMETRO (ml)
150	0.01	0.30	0.01767	0.471
200	0.01	0.36	0.03142	0.628
250	0.02	0.42	0.04909	0.785
300	0.03	0.47	0.07069	0.942
380	0.06	0.55	0.11341	1.194
450	0.10	0.61	0.15904	1.414
610	0.22	0.75	0.29225	1.916
760	0.40	0.87	0.45365	2.388
910	0.64	0.98	0.65039	2.859
1070	0.98	1.09	0.89920	3.362
1220	1.40	1.19	1.16899	3.833
1520	2.51	1.38	1.81458	4.775
1830	4.12	1.56	2.63022	5.749
2130	6.17	1.73	3.56327	6.692
2440	8.86	1.90	4.67595	7.665
3050	16.07	2.20	7.30617	9.582