

For Commercial and Industrial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series 777/777S

Cast Bronze Wye Strainers, Threaded Connections

Sizes 1/4" – 4" (8-100mm)

Features

777 Strainers, 1/4" – 4" (8-100mm)

These wye-pattern strainers have 20 mesh 304SS screens, (except 3" furnished with 3/64" perf. screen, and 4" with 1/8" perf. screen), cast bronze body, threaded connections, and solid retainer cap with an EPDM O-ring. Not tapped for closure plug.

777S Strainers, 1/2" – 4" (15-100mm)

Same as the 777 series, except furnished with a tapped retainer cap for a closure plug. Closure plug not provided.

Pressure – Temperature

Maximum Pressures (Non-Shock) & Temperatures

400psi (27.6 bar) WOG at 210°F (99°C), and 150psi (10.3 bar) WSP @ 250°F (121°C)
4" (100mm) - 300psi (20.7) WOG and 125psi (8.6 bar).



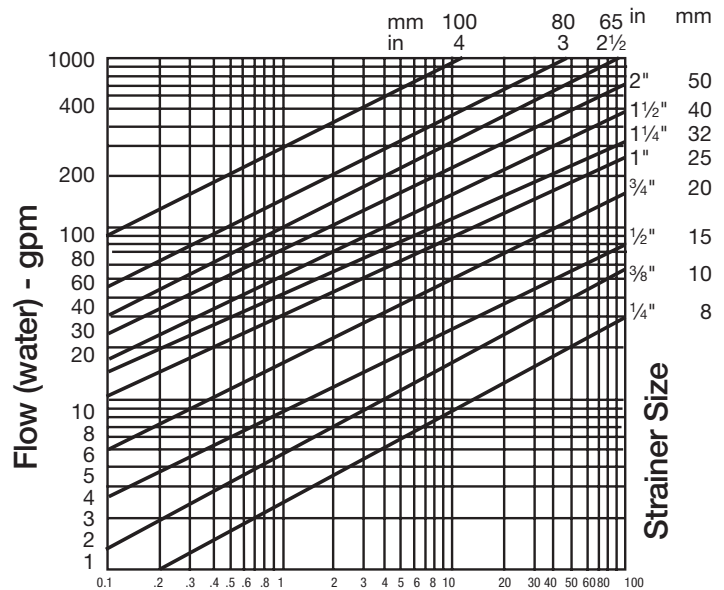
No. 777S-M1

Materials

Body:	Cast bronze ASTM B-584
Retainer Cap:	1/2" - Brass ASTM B16
Cap Gasket:	EPDM O-ring
Standard Screen:	1/4" – 2" (8-50mm): 304 stainless steel #20 mesh, 3" (80mm) 304 stainless steel 3/64" perf 4" (100mm) 304 stainless steel 1/8" perf

Performance Data

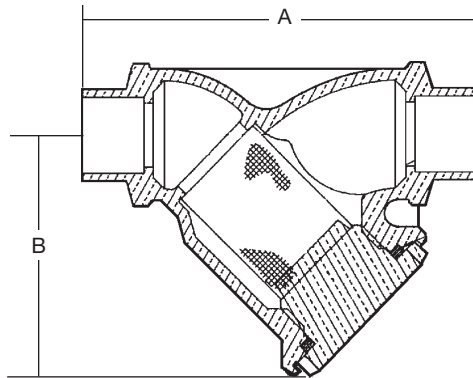
Table shows flow rates (gpm-water) through the domestic 777 strainer series at various pressure drops (psig) using standardly furnished screens.



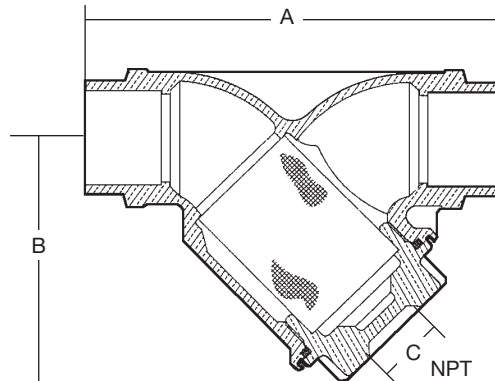
Pressure Drop - psig

Conversions: For gpm to lpm, multiply by 3.8

For psi to bar, multiply by .069.



777 - Solid Retainer Cap with Gasket



777S - Retainer Cap Tapped for Closure Plug
(Closure plug not furnished)

Ordering Code		Size (DN)		Dimensions (approx.)						Weights	
777	777S			A		B		C* (NPT)			
		in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
0384363	—	1/4	8	2 1/16	68	1 1/16	43	—	—	1.8	.8
0384364	—	3/8	10	2 1/16	68	1 1/16	43	3/8	10	1.8	.8
0384372	0384373	1/2	15	3	76	2	51	3/8	10	1.8	.8
0384382	0384381	3/4	20	3 5/16	84	2 5/16	59	1/2	15	1.8	.8
0384398	0384397	1	25	4 1/2	114	2 15/16	75	3/4	20	2.8	1.3
0384416	0384417	1 1/4	32	5 5/8	130	3 3/8	79	3/4	20	3.0	1.4
0384432	0384431	1 1/2	40	5 7/8	149	3 3/4	95	1	25	4.0	1.8
0385145	0384007	2	50	6 3/8	157	4 7/8	124	1 1/4	32	7.4	3.4
0384670	0384675	2 1/2	65	8 3/8	206	4 15/16	125	1 1/4	32	12.0	5.4
0384680	0384685	3	80	10 3/8	257	6 11/16	170	1 1/2	40	24.0	10.9
0384776	0384775	4	100	13	330	10 1/2	267	1 1/2	40	41.0	18.6

*Note: C dimension is for plug tapping.



A Watts Water Technologies Company



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