

# CJS Single Filter

## ●●● CJS SINGLE FILTER

The high quality and economical filtering equipment that we offer is different from other filtering models on the market today. 95% of our product parts are made with strong, durable, long-lasting stainless steel, giving our products a much longer life cycle than other similar products on the market. After many years of practical experience, absorbing precious feedback from our clients, and constantly adding design improvements, we have developed for our clients the most industrial friendly filter, with streamline design, impeccable quality, and convenient operation-- CJS single filters.

The CJS single filter is the basic form of several different types of filter equipment, using imported stainless steel wedge wire screen from Europe, the exactness of the filter is as fine as 0.025mm (450Mesh), and can use either gripper or flange type for inlet or outlet. Furthermore, the stainless steel wedge wire screen provides different specifications that can be chosen to fit the needs of different operation pressures, and there are also two pressure gauges on the top of the filter which makes it possible to check the change of the in-outlet pressure all the time and see if there are any signs of blockage on the filter screen.

Most suspended particles (dust, tiny rocks, fine crumbs of raw materials, etc.) will reduce the purity of liquid, and impurities found within water often times negatively affect the quality and efficiency of corresponding functions. The CJS single filter can wipe away headache brought on by the pollutions, increasing the quality and efficiency of your work process and helping you to achieve excellent manufacturing benefits.





### • • • Features

- **Fast installation and uninstallation :**

All you have to do is to use the gripper or flange in-outlet to easily install or uninstall the unit.

- **Low rate of wear :**

Because we use only stainless steel material with almost none consuming, also the life span of our filter screens is much longer than other competitors'.

- **High efficiency :**

With the wedge-wire design of our stainless steel screens, the opening rate of our filters are higher by 20% to 30% when compared with traditional filters.

- **Easy to maintain :**

We choose a design that is both easy to operate and maintain, all you have to do is regularly basic cleaning and maintenance of the machine body.

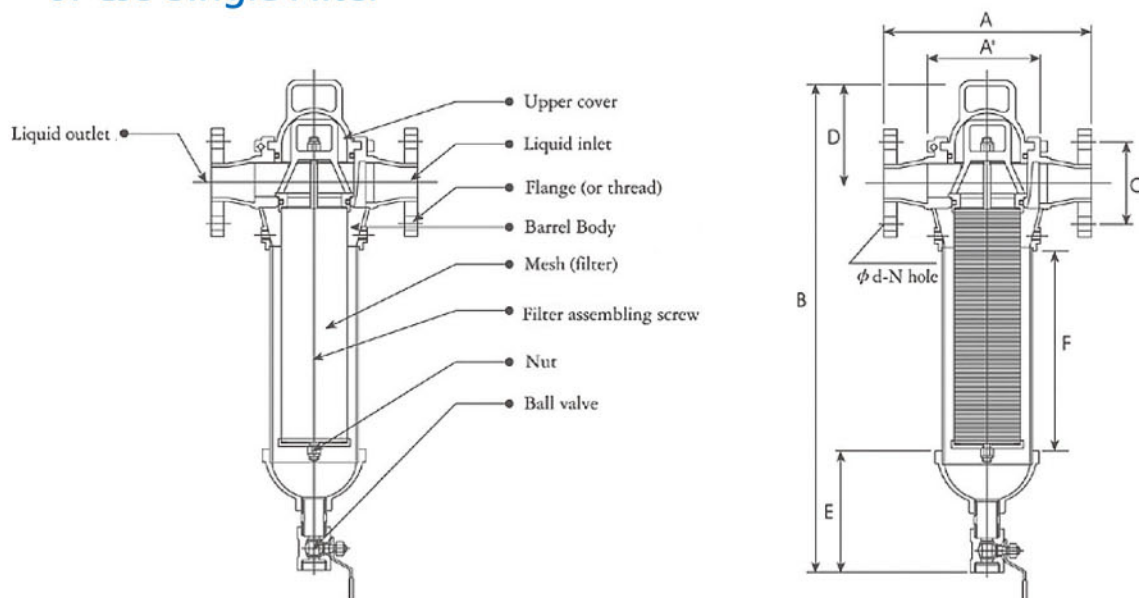
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## ••• The External Measurements of CJS Single Filter

In-Outlet Size (mm)	Screen Diameter × Length (mm)	Screen Slot Width (mm)	Filter Housing Size (mm)							Backup Filter Screen Gauge Size (mm)
			A	A'	B	E	D	C	Ød-N Cavity	F
25	Ø 85×300	0.025	330	135	680	187	142	90	Ø19-4 Cavity	265
32	Ø 85×450				830			100		415
40	Ø 85×500				880			105		465
50	Ø 85×600				975			120		565
65	Ø 85×900	0.400	350	135	1315	187	173	140	Ø19-8 Cavity	865
80	Ø 85×1000				1415			150		965
100	Ø 85×1000				1415			175		965

- Flow rate test is performed with a flow speed of 1m/sc, A specific gravity of 1 is measured by testing with normal water.
- In-outlet size of 1" , 1¼" , 1½" , 2" is suitable for Ø85×300~ Ø85×600.
- In-outlet size of 2" , 2½" , 3" is suitable for Ø85× 600~ Ø85×1000.
- In-outlet size of 3" 、4" is suitable for Ø85×900~Ø 85×1000.

## ••• The Drawing of CJS Single Filter







# The Table of Wedge Wire Screen Flow Amount

Manual Filter



## ••• The Table of Screen Mesh and Slot Comparison

Japanese National Industrial Standard		FILAD Manufacturing Specifications		Tyler Standard	
Mesh Number	Slot (mm)	Mesh Number	Slot (mm)	Mesh Number	Slot (mm)
37	0.037	400	0.037	400	0.037
44	0.044	325	0.044	325	0.044
53	0.053	270	0.053	270	0.053
62	0.062	230	0.062	250	0.061
74	0.074	200	0.074	200	0.074
88	0.088	170	0.088	180	0.088
105	0.105	140	0.105	150	0.104
125	0.125	120	0.125	115	0.124
149	0.149	100	0.149	100	0.147
177	0.177	80	0.177	80	0.175
210	0.210	70	0.210	65	0.208
250	0.250	60	0.250	60	0.246
297	0.297	50	0.297	48	0.295
350	0.350	45	0.350	42	0.351
420	0.420	40	0.420	35	0.417
500	0.500	35	0.500	32	0.495
590	0.590	30	0.590	28	0.589
710	0.710	25	0.710	24	0.701
840	0.840	20	0.840	20	0.833
1000	1.000	18	1.000	16	0.991
1190	1.190	16	1.190	14	1.166
1410	1.410	14	1.140	12	1.397
1680	1.580	12	1.580	10	1.651
2000	2.000	10	2.000	9	1.981
2380	2.380	8	2.380	8	2.362
2630	2.630	7	2.830	7	2.794
3360	3.360	6	3.350	6	3.327
4000	4.000	5	4.000	5	3.962
4760	4.760	4	4.760	4	4.699
5600	5.600	3½	5.000	3½	5.613





# The Table of Wedge Wire Screen Flow Amount

## • • • Selection of Flow Amount and Wedge Wire Screen

### • A. The Reference Table of The In-outlet Size Selection for Clean Water

In-Outlet Size A(B)	32	40	50A	65A	80A	100A	125A	150A	200A	250A	300A
The Processing Amount (ℓ/min) (flow speed : 1 m/sec)	56	75	117	217	301	529	783	1131	1960	3038	4352

### • B. The Table of Wedge Wire Screen Flow Amount (ℓ/min)

In-Outlet Size	Screen Diameter × Length (mm)	Screen Slot (mm)											
		450 mesh 0.025	300 mesh 0.05	200 mesh 0.075	150 mesh 0.10	120 mesh 0.125	100 mesh 0.15	80 mesh 0.175	75 mesh 0.20	60 mesh 0.25	50 mesh 0.30	45 mesh 0.35	40 mesh 0.40
25	Ø85×300-12S	44	88	128	168	205	240	280	300	370	430	480	528
	Ø85×300-18S	29	58	85	112	136	160	186	200	246	286	320	352
	Ø85×300-22S	24	49	71	93	114	133	155	166	205	238	266	293
32	Ø85×450-12S	66	132	192	252	308	360	420	450	550	645	720	792
	Ø85×450-18S	44	88	128	168	205	240	280	300	366	430	480	528
	Ø85×450-22S	36	73	106	140	171	200	233	250	305	358	400	440
40	Ø85×500-12S	73	147	213	280	342	400	468	500	618	718	802	882
	Ø85×500-18S	48	98	142	186	228	266	312	333	412	478	534	588
	Ø85×500-22S	40	81	118	155	190	222	260	277	343	399	445	490
50	Ø85×600-12S	88	176	256	336	410	480	560	600	740	860	960	1056
	Ø85×600-18S	58	117	170	224	273	320	373	400	493	573	640	704
	Ø85×600-22S	49	97	142	186	227	266	311	333	411	477	533	586
65	Ø85×900-12S	132	264	384	504	615	728	840	900	1110	1290	1440	1584
	Ø85×900-18S	88	176	256	336	410	485	560	600	740	860	960	1056
	Ø85×900-22S	73	146	213	280	341	404	466	500	616	716	800	880
85	Ø85×1000-12S	145	290	422	554	677	792	924	1000	1221	1419	1584	1742
	Ø85×1000-18S	96	193	281	369	451	528	616	666	814	946	1056	1161
100	Ø85×1000-22S	80	161	234	307	376	440	513	555	678	788	880	967

- In-outlet size of 1" , 1 ¼" , 1 ½" , 2" is suitable for Ø85×300 ~ Ø85×600 .
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- In-outlet size of 3" , 4" is suitable for Ø85×900 ~ Ø85×1000 .

Table B is calculated according to the length of screen and the opening area. Considering the safety factor, the actual time of use takes into account the most suitable combination of the tube size in Table A and the width of the surface profiles (12S, 18S, 22S) in Table B.

The table of CJS Single Filter's flow amount is calculated in constantly operating for 24hrs. Therefore, after using for a period of time, it can still maintain filtering capability of 50% and extend the time of filtering (but there is an exception under unusual condition).