

TECHNICAL INFORMATION: JOHNSON SCREENS® SMALL DIAMETER STAINLESS STEEL WELL SCREENS



JOHNSON SCREENS WATER WELL AND ENVIRONMENTAL SCREENS: 60 WIRE CONSTRUCTION - 304 AND 316 STAINLESS STEEL

Size In.	OD: In.	ID: In.	Screen Weight ¹ : lbs/ft	Max Depth: ft	Tensile Strength ² : lbs	Recom. Hang Weight ³ : lbs	Column Strength ⁴ : lbs
1.25	1.7	1.1	1.8	1,000	4,200	2,100	3,100
2P*	2.5	1.99**	1.9	1,000	2,000	1,000	1,500
2P/3T	2.6	2.0	2.2	1,000	3,400	1,700	2,600
2.5P	3.0	2.4	2.6	1,000	4,200	2,100	3,100
3P*	3.6	2.9	2.9	1,000	4,200	2,100	3,100
3P/4T	3.7	3.1	3.0	1,000	4,200	2,100	3,100
4P*	4.6	4.0**	3.7	600	4,800	2,400	3,700
4P/5T	4.7	4.1	3.8	600	4,800	2,400	3,700
5P/6T	5.6	5.0	4.5	400	5,600	2,800	4,200

Size In.	Open Area - In. ² /ft of Screen							Collapse Strength - PSI						
	Screen Slot Size - Thousandths of an Inch							Screen Slot Size - Thousandths of an Inch						
	7	10	12	20	30	40	50	7	10	12	20	30	40	50
1.25	6.9	9.4	10.9	16.4	21.9	26.2	29.8	5,901	5,648	5,491	4,942	4,393	3,954	3,594
2P*	9.7	13.3	15.5	23.3	31.0	37.2	42.3	2,094	2,004	1,948	1,754	1,559	1,403	1,275
2P/3T	10.1	13.8	16.1	24.1	32.2	38.6	43.9	1,883	1,802	1,752	1,577	1,402	1,262	1,147
2.5P	11.9	16.2	18.9	28.4	37.8	45.4	51.6	1,164	1,114	1,083	975	867	780	709
3P*	14.0	19.1	22.3	33.5	44.6	53.5	60.8	713	682	663	597	531	478	434
3P/4T	14.5	19.9	23.2	34.8	46.4	55.6	63.2	635	608	591	532	473	426	387
4P*	17.9	24.5	28.6	42.9	57.2	68.6	78.0	340	326	317	285	253	228	207
4P/5T	18.6	25.4	29.6	44.4	59.2	71.0	80.7	307	294	286	257	229	206	187
5P/6T	22.1	30.2	35.2	52.9	70.5	84.6	96.1	182	174	170	153	136	122	111

NOTES:

- Transmitting capacity (gpm/ft of screen) = open area x 0.31 @ 0.1 ft/sec
- P - pipe size, T - telescope

1. Weight is based on 10 slot construction, no fittings
2. Tensile and column strength includes 30 percent safety factor
3. Recommended hang weight is 50 percent of calculated tensile strength
4. Column strength is based on 5 ft screen barrel length
5. Calculated collapse values - no safety factor included

* Alternate constructions for water well and environmental

** ID listed is confirmed clear for environmental





JOHNSON SCREENS® WATER WELL AND ENVIRONMENTAL SCREENS: 90 WIRE CONSTRUCTION - 304 AND 316 STAINLESS STEEL

Size	OD: In.	ID: In.	Screen Weight ¹ : lbs/ft	Max Depth: ft	Tensile Strength ² : lbs	Recom. Hang Weight ³ : lbs	Column Strength ⁴ : lbs
1.25	1.7	1.1	1.5	600	4,200	2,100	3,100
2P*	2.4	1.99**	1.5	600	2,000	1,000	1,500
2P/3T	2.5	2.0	1.7	600	3,400	1,700	2,600
2.5P	3.0	2.4	2.1	600	4,200	2,100	3,100
3P*	3.5	2.9	2.3	600	4,200	2,100	3,100
3P/4T	3.7	3.1	2.4	600	4,200	2,100	3,100
4P*	4.5	4.0**	2.9	250	4,800	2,400	3,700
4P/5T	4.7	4.1	3.0	250	4,800	2,400	3,700
5P/6T	5.6	5.0	3.5	100	5,600	2,800	4,200

Size	Open Area - In. ² /ft of Screen							Collapse Strength - PSI						
	Screen Slot Size - Thousandths of an Inch							Screen Slot Size - Thousandths of an Inch						
	7	10	12	20	30	40	50	7	10	12	20	30	40	50
1.25	4.6	6.4	7.6	11.7	16.1	19.8	22.1	2,343	2,272	2,227	2,063	1,890	1,743	1,618
2P*	6.6	9.2	10.8	16.7	22.9	28.2	32.7	817	792	776	719	659	608	564
2P/3T	6.9	9.6	11.2	17.4	23.9	29.3	34.0	724	702	688	637	585	538	500
2.5P	8.1	11.3	13.3	20.5	28.1	34.6	40.1	443	429	421	390	357	330	306
3P*	9.6	13.3	15.7	24.2	33.3	40.9	47.5	269	261	255	237	217	200	186
3P/4T	10.0	13.9	16.3	25.2	34.6	42.6	49.4	239	232	227	211	193	178	165
4P*	12.4	17.1	20.2	31.1	42.8	52.6	61.0	127	123	121	112	102	94	88
4P/5T	12.8	17.7	20.9	32.2	44.3	54.5	63.2	114	111	109	101	92	85	79
5P/6T	15.3	21.2	24.9	38.5	52.8	65.0	75.4	67	65	64	59	54	50	47

NOTES:

- Transmitting capacity (gpm/ft of screen) = open area x 0.31 @ 0.1 ft/sec
- P - pipe size, T - telescope

1. Weight is based on 10 slot construction, no fittings
2. Tensile and column strength includes 30 percent safety factor
3. Recommended hang weight is 50 percent of calculated tensile strength
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