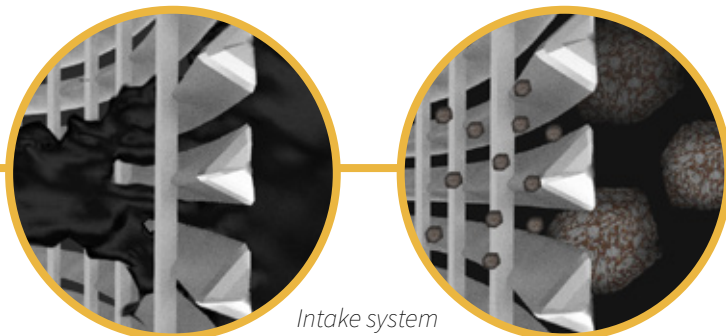


# TUBING SCREEN™



Intake system

The Tubing Screen is a multifunctional system designed to extend the run life of the artificial lift systems through the management and homogenization of the sand production of the downhole sand production.

This innovative system uses a V-shaped mesh design that allows the separation of abrasive solids while maximizes the total open area where the fluid can flow. This operational advantage makes the Tubing Screen one of the best options against the abrasive effects of sand.

The size and length of the system for sand management in downhole is designed based on the production and mechanical conditions of each well.

## BENEFITS

- Homogenizes sand slugs extending the run life
- Reduction in the number of interventions
- The decrease in non-productive time
- Reduces sand failure.
- Large intake area, reducing pressure drop.
- "V" shaped design provides a small contact area, reduces flow friction.
- A wide range of filtration slot sizes.
- Corrosion resistant screen.

Odessa Separator's Tubing Screens are used for maximizing artificial lift run life by separating the harmful abrasives

## The Tubing Screen is manufactured in three nominal diameters:

2-3/8", 2-7/8", 3-1/2" and 2 lengths: 8' and 23.5'. Each one of these diameters and lengths could be designed with different slot sizes. The size and length of the system for sand management downhole is designed based on the production and mechanical conditions of each well.

23.5ft 8ft

Size	Slot	Open Area
2 3/8	8	176.0
2 7/8		207.3
3 1/2		242.4
2 3/8	10	216.2
2 7/8		253.2
3 1/2		253.9
2 3/8	12	254.4
2 7/8		298.7
3 1/2		349.3
2 3/8	15	308.9
2 7/8		362.8
3 1/2		424.2
2 3/8	20	393.2
2 7/8		461.8
3 1/2		539.9
2 3/8	50	772.4
2 7/8		907.0
3 1/2		1060.4
2 3/8	75	983.1
2 7/8		1154.4
3 1/2		1349.6

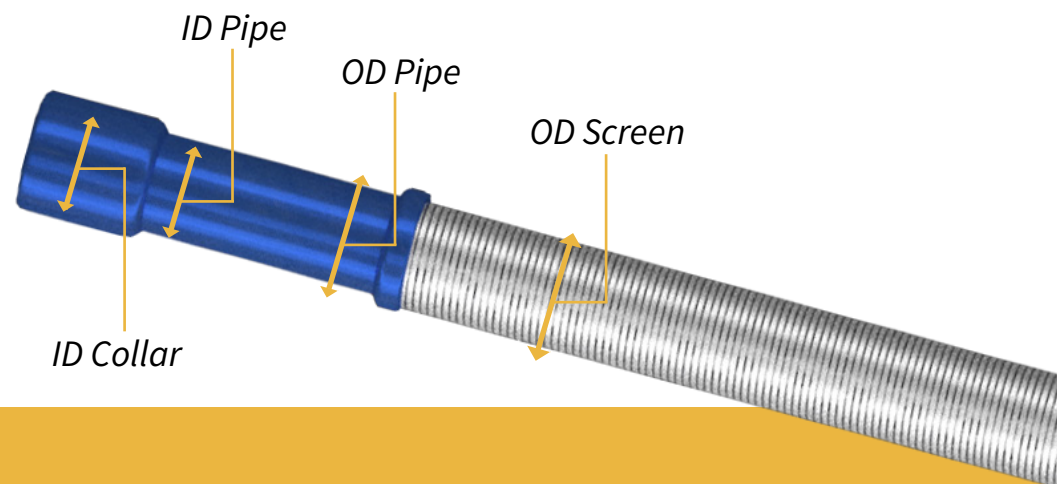
Size	Slot	Open Area
2 3/8	8	58.9
2 7/8		69.1
3 1/2		80.8
2 3/8	12	84.8
2 7/8		99.6
3 1/2		116.4
2 3/8	15	103.0
2 7/8		120.9
3 1/2		141.4
2 3/8	20	131.1
2 7/8		153.9
3 1/2		180.0
2 3/8	50	257.5
2 7/8		302.0
3 1/2		353.5

## Technical Specifications

	Pipe (in)		Screen (in)	Collar (in)	
Size	OD	ID	OD	OD	ID
2-3/8"	2.375	1.941	2.87	3.063	2.375
2-7/8"	2.875	2.441	3.27	3.668	2.875
3-1/2"	3.5	3.066	3.94	4.5	3.5

## Thread Connection

Size	Top Connection	Bottom Connection
2-3/8"	2-3/8" EUE box	2-3/8" EUE box
2-7/8"	2-7/8" EUE box	2-7/8" EUE box
3-1/2"	3-1/2" EUE box	3-1/2" EUE box





## Range of Applications

U.S. MESH	INCHES	MICRONS	MILLIMETERS	SLOT
3	0.265	6730	6.73	75
4	0.187	4760	4.76	75
5	0.157	4000	4	75
6	0.132	3360	3.36	75
7	0.111	2830	2.83	75
8	0.0937	2380	2.38	75
10	0.0787	2000	2	75
12	0.0661	1680	1.68	50
14	0.0555	1410	1.41	50
16	0.0469	1190	1.19	20
18	0.0394	1000	1	20
20	0.0331	841	0.841	20
25	0.028	707	0.707	20
30	0.0232	595	0.595	20
35	0.0197	500	0.5	15
40	0.0165	400	0.4	15
45	0.0138	354	0.354	12
50	0.0117	297	0.297	12
60	0.0098	250	0.25	8
70	0.0083	210	0.21	8
80	0.007	177	0.177	Vortex Sand Shield
100	0.0059	149	0.149	
120	0.0049	125	0.125	
140	0.0041	105	0.105	
170	0.0035	88	0.088	
200	0.0029	74	0.074	
230	0.0024	63	0.063	
270	0.0021	53	0.053	
325	0.0017	44	0.044	
400	0.0015	37	0.037	