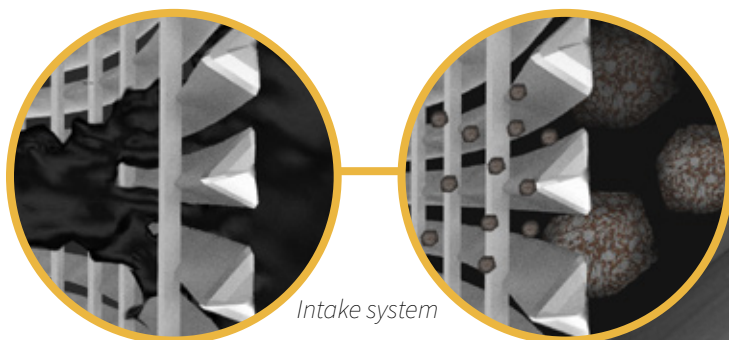


PUMP GUARD SCREEN™

Pump Guard Screen is a V-wire screen spirally wound onto an internal framework of longitudinal ribs. The outer wrap wire and ribs are made of high resistance stainless steel; precise electric resistance welding provides high strength to the joint. The spacing between two adjacent turns of (V) wire is a totally controlled process providing accurate slot size in the final product.



Intake system

The Pump Guard Screen is manufactured in three nominal diameters: 1 in., 1-1/4 in. and 1-1/2 in. Each one of these diameters could be designed with different slot size and for 6 tool lengths: 9 in., 2 ft., 3 ft., 6 ft., 8 ft., and 10 ft.

- Effective sand control.
- Reduces potential pump damage and maintenance cost.
- Clogging resistant slot design.
- The geometric shape provides large percentage open area.
- Stainless steel material for corrosive applications.
- Available in a large selection of length and slot sizes.

MULTIPLE SLOT SIZES AVAILABLE OTHER THAN MENTIONED

Most common sizes:

1"

Size	Slot	Open Area (in ²)
3/4	12	4.9
2		13.0
3		19.5
6		38.9
8		51.9
10		64.9
3/4	18	6.7
2		18.0
3		27.0
6		53.9
8		71.9
10		89.8
3/4	75	16.2
2		43.3
3		64.9
6		129.8
8		173.0
10		216.3

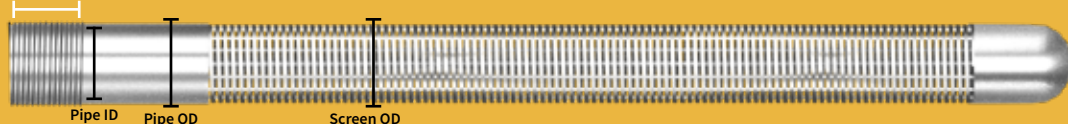
1-1/4"

Size	Slot	Open Area (in ²)
3/4	12	6.1
2		16.4
3		24.6
6		49.1
8		65.5
10		81.9
3/4	18	8.5
2		22.7
3		34.0
6		68.0
8		90.7
10		113.4
3/4	75	20.5
2		54.6
3		81.9
6		163.8
8		218.4
10		273.1

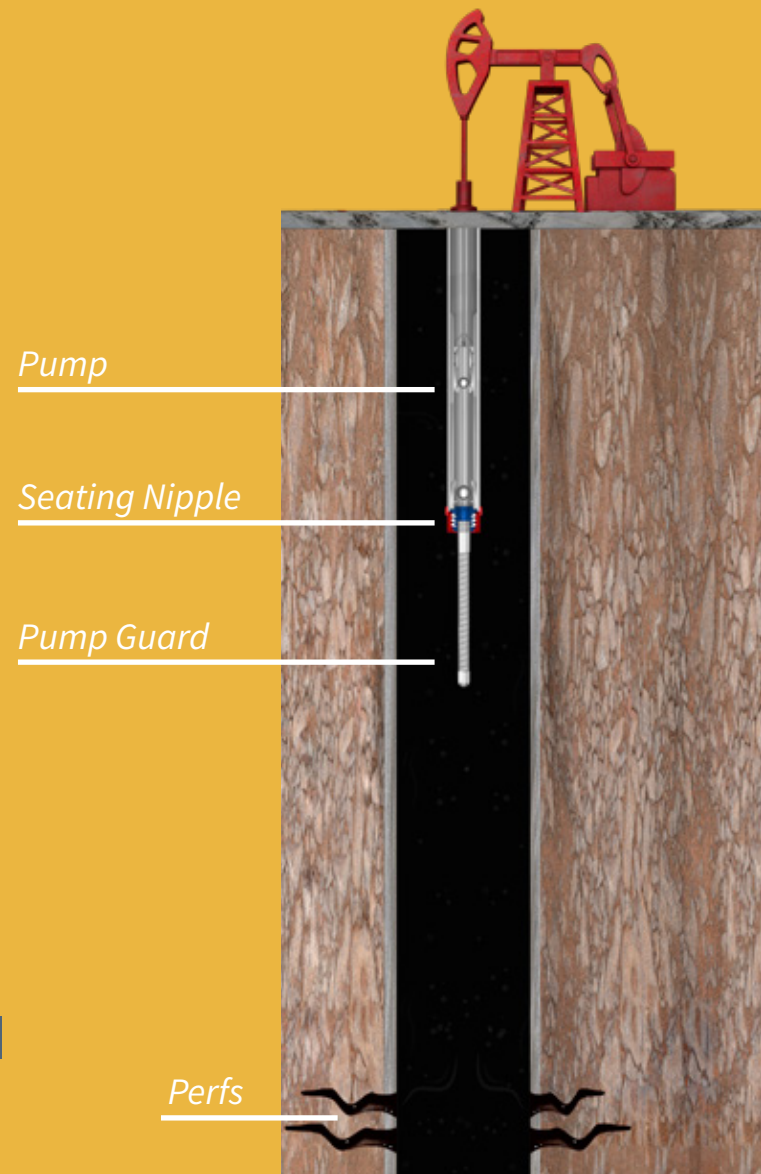
1-1/2"

Size	Slot	Open Area (in ²)
3/4	12	7.0
2		18.7
3		28.1
6		56.3
8		75.0
10		93.8
3/4	18	9.7
2		26.0
3		38.9
6		77.9
8		103.9
10		129.8
3/4	75	23.4
2		62.4
3		93.8
6		187.5
8		250.0
10		312.5

Top Thread Connection



Pump Guard Diameter	Pipe OD (in)	Screen OD (in)	Pipe ID (in)	Top Thread Connection
1"	1.315	1.300	1.049	1.00 NPT Pin Conection
1-1/4"	1.660	1.625	1.38	1.25 NPT Pin Conection
1-1/2"	1.900	1.900	1.610	1.50 NPT Pin Conection



For productions higher than flow chart please use multiple screens assembles or contact 432-580-7111 for more technical assistance.