

Stanley Filters for Downhole Pumps

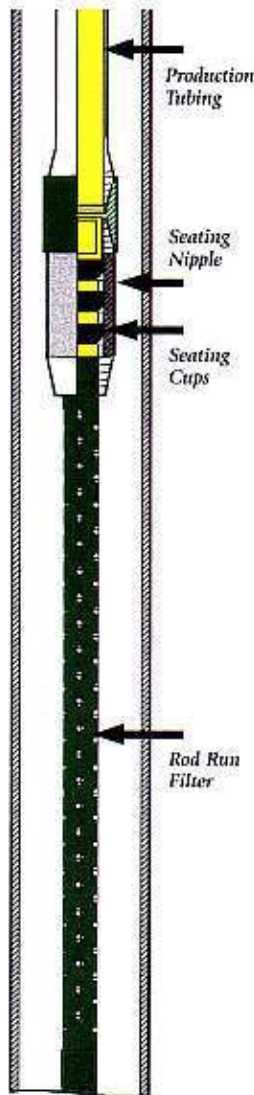
STANLEY FILTER COMPANY



The **Stanley Filter** is not a screen. The media used in Stanley filters is a flexible, three dimensional material which allows the fluid to travel into the filter from all directions. This unique design also allows abrasives to penetrate into the filter media and fluids to travel around those abrasives. The **Stanley Filter** works like the formation of an oil zone. If the particulates that you are filtering have permeability, then the oil will pass through the same abrasives that are trapped in the filter.



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Rod Run Application

Filters attach to the bottom of the insert pump or to the bottom of the standing valve in a tubing pump.

For best results do not run inside a mud/gas anchor. The solids that are kept out of the production string will either fill the mud/gas anchor or bridge off the filter.

Please Note:
Insert pumps and or tubing pumps using either a bottom lock mechanical hold-down or positive standing valve must use a tubing filter.

The Stanley Filter Information

Series	Length/Weight				O.D.	Connection
	6 Foot	12 Foot	18 Foot	24 Foot		
						NPT
1000	15 Lbs.	30 Lbs.	45 Lbs.	60 Lbs.	1.375"	3/4 & 1
1250	20 Lbs.	40 Lbs.	60 Lbs.	80 Lbs.	1.75"	1-1/4
1500	30 Lbs.	60 Lbs.	90 Lbs.	120 Lbs.	2.125"	1-1/4 & 1-1/2

Sizing Chart

Pump Bore	Max. Fluid Volume BPD	Filter Series	Filter Length
1-1/4	200	1000	*
1-1/2	200	1000	*
1-3/4	200	1250	*
1-3/4	200-300	1250	**
2	300	1250	**
2	300-400	1500	*
2-1/4	450	1500	*

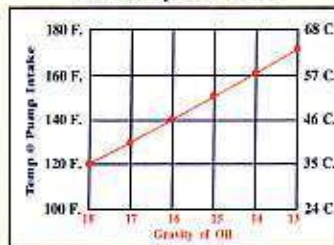
* Filter length is determined by multiplying 2' of filter length for every foot of pump stroke.

** Filter length is determined by multiplying 3' of filter length for every foot of pump stroke.

Heavy sand loads may require more filter length.

In applications with pump bores of 2-1/4" and larger or volumes of 500 BPD and larger, we recommend using the Stanley tubing filters.

Gravity of Oil



Lower gravity oils have a tendency to hold the sand against the filter media causing the filters to plug faster than they should.

Filter Media:
Multi-cell foam - 200° F
Hi tensile abrasive resistant
Nomex 450° F

Media are designed to filter out particles larger than 75 micron (.029" or 200 mesh)

We do not recommend filter in wells with the following conditions: flour sands, drilling mud, coal fines, paraffin, or sand or particles smaller than 75 micron.

Metallurgy: carbon steel and brass

All rod run filters are designed with replaceable low cost elements.

Low gravity oils require higher well bore temperature as heavy oil has a tendency to hold the sand against the filter media causing premature failure. Reference Gravity/Temperature chart for best results.

For more information about the Stanley Filter Gas Separator, contact:

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See us on the web: stanleyfilter.com



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