

GAS SHIELD™

Wells with high-formation GORs or GLRs and solid problems demand a combined system to prevent loss of productivity and damage in the down hole equipment. Inefficient system of production increases the lifting cost and affect the net present value of the project.

The Odessa Separator Gas Shield is designed specifically for wells with high lifting cost associated with gas failures. The Gas Shield is made up of diffused intake ports which minimize gas entering the separator and a large body annulus, which reduces the fluid velocity allowing for gravity driven gas separation. The diffused intake ports are covered by a wrapped V-wire screen jacket 3-ft long by 75-slot (.075"). This screen helps with the coalescing of gas particles to make smaller bubbles larger and to prevent a portion of them from entering the annular space within the gas separator. The Gas Shield is made of J55 pipe and is available in various sizes:

BENEFITS

- Mitigates the gas slugs.
- Reduces or Eliminates the Gas locking.
- Large solids filtration
- Multiple stages of gas separation.
- Utilizes both, the casing and tubing as gas separators.
- Allows sand & gas separation.

Features

- Highly efficient Gas Separator design.
- New Dual Flow System™ technology, improving the operational time.
- Separate the free gas to the backside.
- Internal helix to separate the solid particles.





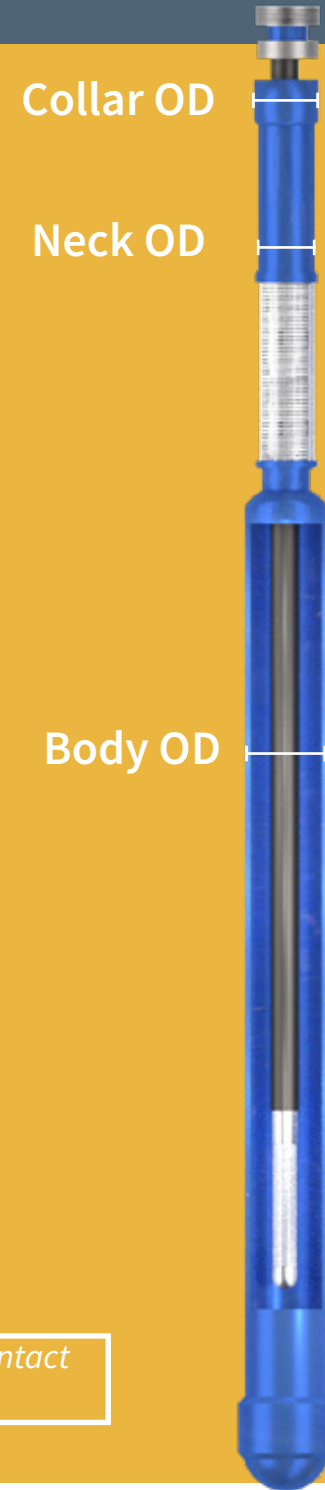
"Your source for fluid conditioning systems"

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Technical Specifications

Sizes	Neck (in)		Body (in)		Collar (in)		Open Area (In ²)
	OD	ID	OD	ID	OD	ID	
2 - 3/8" x 3"	2.375	1.941	3	2.5	3.063	2.375	101
2 - 7/8" x 3 - 1/2"	2.875	2.441	3.5	3	3.668	2.875	121
2 - 7/8" x 4"	2.875	2.441	4	3.5	3.668	2.875	121
2 - 7/8" x 4 - 1/2"	2.875	2.441	4.5	4	3.668	2.875	121
3 - 1/2" x 4 - 1/2"	3.5	3.066	4.5	4	4.5	3.5	141
3 - 1/2" x 5 - 1/2"	3.5	3.066	5.5	5	4.5	3.5	141

*The tool capacity is function of the well conditions: pump parameters, perforations zone, well inclination, gas volume, so on. To get an optimal design fill up the OSI's data sheet. Longer assemblies provide larger capacities.



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