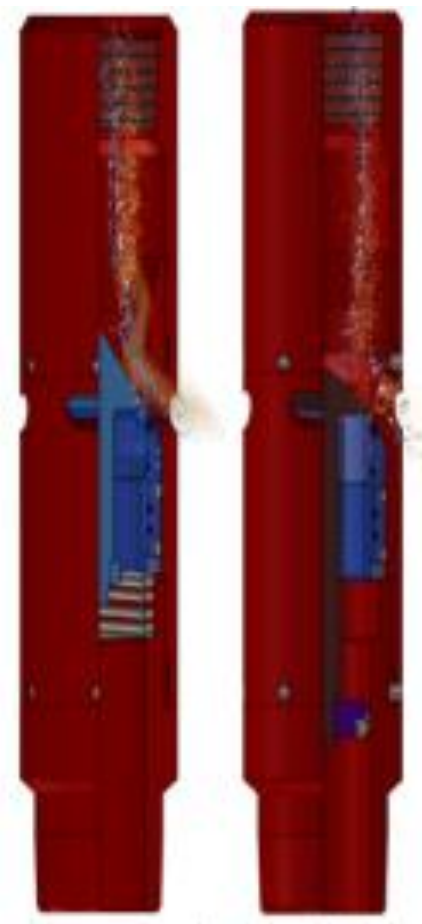


Auto Sand Diverter Valve

The Republic Oil Tools Automatic Sand Diverter Valve (ASD) is a patented tool used to prevent solids settling on top of the electrical submersible pump during a shut down. The ASD is deployed on the tubing string above the ESP discharge and controls communication between the annulus and tubing. Upon stopping the system, the valve enables fluid and solids in the tubing to be diverted to the annulus without settling on top of the pump.

The ASD is available in two different variations – the ASD-C and the ASD-O. The ASD-C isolates the tubing and annulus in the default position. The ASD-O enables communication between the tubing and annulus by default. Both variations do not have a minimum flow requirement.



Size	2-7/8"		3-1/2"	
Style	ASD-C	ASD-O	ASD-C	ASD-O
Default Position*	Closed	Open	Closed	Open
Metallurgy	4140, 13Cr, Others Available Upon Request			
Spring Metallurgy	17-7			
O-Ring Material	Viton			
Temp Rating (f)	400			
Actuation Pressure	30psi			
Thread Size	2-7/8" EUE 8rd		3-1/2" EUE 8rd	
Outside Diameter (in)	3.813"		4.50"	
Length (in)	21.75"		24.14"	
* Default Position	Closed = tubing and annulus are isolated by default			
	Open = tubing and annulus are open by default			