

35 BBL SURGE VESSEL



The SV-35 is a compact 35 BBL surge vessel. The ASME code stamped surge vessels receive fluid from the customer's process, compensate for flow fluctuations, and provide bulk three-phase separation of fluids. The surge vessel regulates surging flow rates from production equipment into a more consistent flow for effective downstream separation, and also serves as settling tank and an initial bulk oil skimmer. The SV-35 is an automated device and utilizes level controllers to maintain a desired level and a controlled dumping frequency, thus it requires little attention when operating. Each SV-35 is also outfitted with all necessary safety equipment including Pressure Safety Valves, Level Safety High, Level Safety Low, Pressure Safety High, Pressure Safety Low, and Shutdown Valves. The SV-35 also serves as a buffer against low volumes of gas, featuring a 4MMSCFD Gas Buster. A back-pressure safety valve is also tied into the Gas Buster which is also set up with a flame arrester.

Specifications	35 BBL Surge Vessel
L x W x H (ft)	8' x 8' x 9'6"
Weight (lbs) (Dry)	8,500 lbs.
Weight (lbs) (Flooded)	14,800 lbs.
Capacity	35 bbl.
Max Flowrate	3 bpm
MAWP	150 psi.
Operating Pressure	40 psi.
Instrumentation	PI, PSV, LSL, LSH, PSH, PSL