

SAND OR SLUDGE REMOVAL SYSTEMS



CHEM GROUP

AZAR ENERGY Co.

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Much work has been performed on the development of sand or sludge removal systems from separators over many years. However, no single “sand jet” system has evolved as clearly superior; rather there are a number of design features to choose from depending on the characteristics and nature of the problem. AzarEnergy tailor makes its sand jetting systems based on a wide range of features as shown below, to ensure that the sand deposits can be fluidized and hence drained satisfactorily in the most economic way.

One or more jet headers are placed either side of the centre line to provide maximum coverage. They can be split into several ‘H’ sections (partitioned) each separately fed with jet water, and separately drained so that sand deposition and flushing can be monitored and controlled at or above the critical Fluidization Factor. The headers are fitted with an array of smaller arms fitted with fan-jet nozzles to fluidize and sweep the solids most effectively. The selection of orifice size and fan angle depends on the vessel dimensions.

