

**Jonell Canada Inc. (JCI)**, a Canadian manufacturer and distributor, offers one of the widest arrays of products for the Oil & Gas Industry. We are a supplier of the highest quality filtration and separation products, as well as engineered Filtration & Separation Solutions™ for all your plant and pipeline applications.



# ALTA-SCREEN SAND SEPARATORS

Jonell Canada Inc. sand separators use proven wedge wire screen technology to effectively separate fracking and formation sand from natural gas. When sized correctly, the first stage utilizes a combination of centrifugal force and gravity to achieve separation. Natural gas is accelerated into the vessel via a reduction in nozzle diameter and tangential entry, which causes larger particulate to migrate towards vessel wall and downward into the sump area. A single or multiple wedge wire screen is sized to accommodate process conditions and is mounted in the center of the vessel. Natural gas and any associated liquids are allowed to pass through the screen while fine sand particles are stopped by the screen and allowed to settle in the sump. A single-barrel or a high volume T-barrel design is available, depending on sand requirements.



The lower compartment on a T-barrel design offers a quick opening closure for simple, ground-level clean-out. For operator safety, the closure is equipped with a pressure warning device.

A robust wedge wire screen made from stainless steel is used for separation. Screens are replaceable via top access closure and capable of differential pressures in excess of 900 psig in standard form. We offer a variety of screen surface areas and openings to accommodate various sand handling requirements.

Alta-Screen sand separators can be customized to meet client specifications or custom requirements. Please contact your local representative for further information.