

## SAND CONTROL PRODUCTS

# Variflux Steam Splitter

## Description

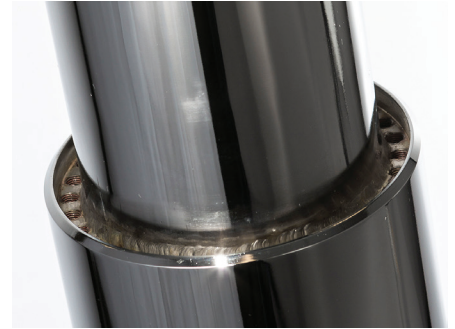
Built specifically for harsh SAGD operating conditions, the Variflux bi-directional injection device is a robust steam distribution system. Surface adjustable nozzle configurations and shifting sleeve technology allows for targeted and controlled steam injection, while erosion risks are minimized by material selection and axial nozzle installation.

## Features and Benefits

- Bi-directional injection: Steam is injected in equal mass flow rates out of the device both upstream and downstream from the tool.
- Erosion Resistant: High velocity areas are protected with tungsten carbide surfacing to protect against erosion. These areas include the bi-directional flow chamber and the nozzles.
- Shiftable: Industry standard shifting sleeve technology is incorporated into the design to provide "on-off" capability, enabling operators to selectively inject along the wellbore. The shiftable sleeve is sealed with high temp O-Rings.
- Surface Adjustable: Each of the 64 nozzles (32 per side) can be plugged at surface to adjust the pressure drop performance, leaving the operator the ability to custom design tools for their specific well.

## Applications

- Steam injection and distribution in Thermal Wells



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### Technical Data

Tubing Sizes		Material	Weight	Min I.D.	Max O.D.	Tool Length	Shifting Profile
3.5 in	L-80 Pup Joint	9.2lb/ft	275.6	2.7 in	5.0 in	42 in	Otis B - 42BO178
4.5 in	L-80 Pup Joint	11.6lb/ft	315.0	3.7 in	5.7 in	42 in	Otis B - 42B0238
88.9mm	L-80 Pup Joint	13.7 kg/m	315.0	68.6 mm	127 mm	1066.8 mm	Otis B - 42BO178
114.3mm	L-80 Pup Joint	17.3 kg/m	590.6	90.7 mm	144.8mm	1066.8 mm	Otis B - 42B0238