

ABSTRACT OF THE DISCLOSURE

A vessel for conveying a precursor fluid from the vessel, comprising: an interior volume having an upper volume and a lower volume, wherein the two volumes are in communication and the lower volume contains precursor; a lid comprising a fluid inlet directing carrier gas into the vessel, a "T" fluid outlet, a sidewall having an upper lip wherein the upper lip contacts the lid; a separator interposed between the lid and the sidewall wherein the separator resides adjacent the upper lip and segments the interior volume into the upper volume and a lower volume; and an inlet plenum in communication with the fluid inlet having a plenum chamber opening towards the separator to direct the carrier gas through the separator and towards the precursor. A method for using the apparatus is also disclosed.