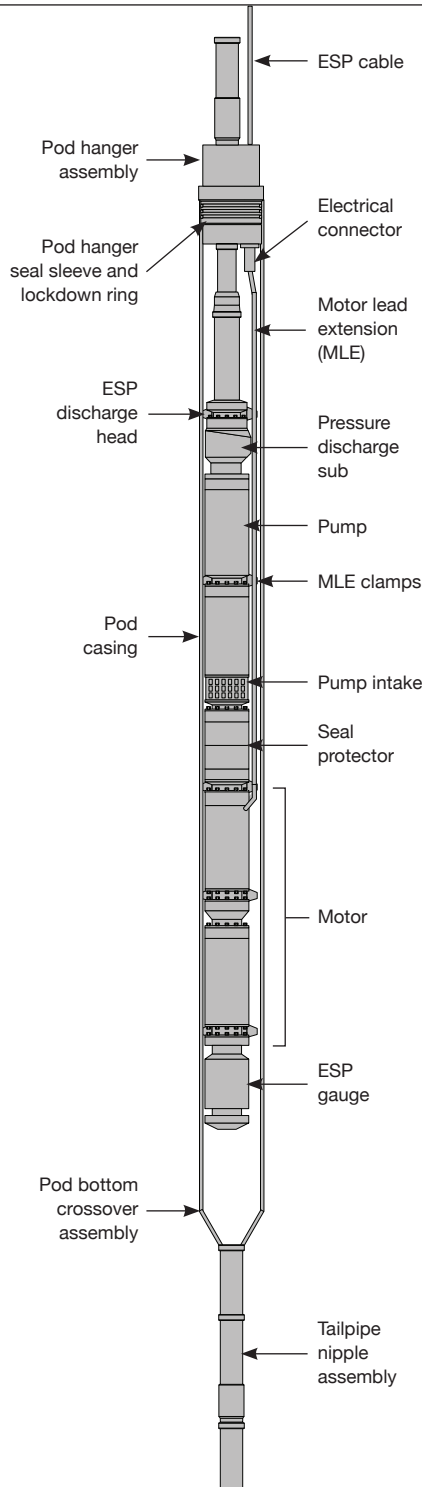




## Black Gator® Pod System



Encapsulated electrical submersible pumps (ESPs), commonly referred to as pods, are used in ESP well completions as an alternative to using ESP packers. With an ESP pod completion, the tailpipe below the pod has a seal assembly that engages the seal bore packer. This isolates the production casing above the packer from the produced well fluids. Isolation protects the casing from potential corrosion and erosion at the pump intake. The Black Gator® Pod System is comprised of the following items:

- Pod hanger assembly complete with production tubing handling sub, optional nipple profile for testing the production tubing string, a sealing port for an ESP cable penetrator, and a tubing pup joint and offset union for makeup to the pump discharge head
- Pod hanger seal sleeve and lockdown ring with a pin thread for make-up to the pod casing
- Pod casing joints (coupled or flush joint)
- Box x Pin pod bottom crossover assembly to make up to the tailpipe assembly
- Tailpipe nipple assembly for pressure testing the pod casing prior to installing the ESP
- Pod sleeve handling & pod pressure test tool
- Swivel lift nubbin for handling flush joint pod casing
- Pod work table for installing the ESP inside the pod
- MLE and discharge pressure line protector clamps
- Standing valve for setting in the tailpipe nipple for pressure testing the pod prior to installing the ESP inside the pod, and for the optional nipple in the pod hanger assembly for testing the production tubing

Well Casing Size (in.)	Pod Casing Size (in.)	Maximum ESP Series
7	5-1/2	456
7-5/8	5-1/2	456
8-5/8	7	562
9-5/8	7-5/8	562
10-3/4	8-5/8	562
13-3/8	10-3/4	738