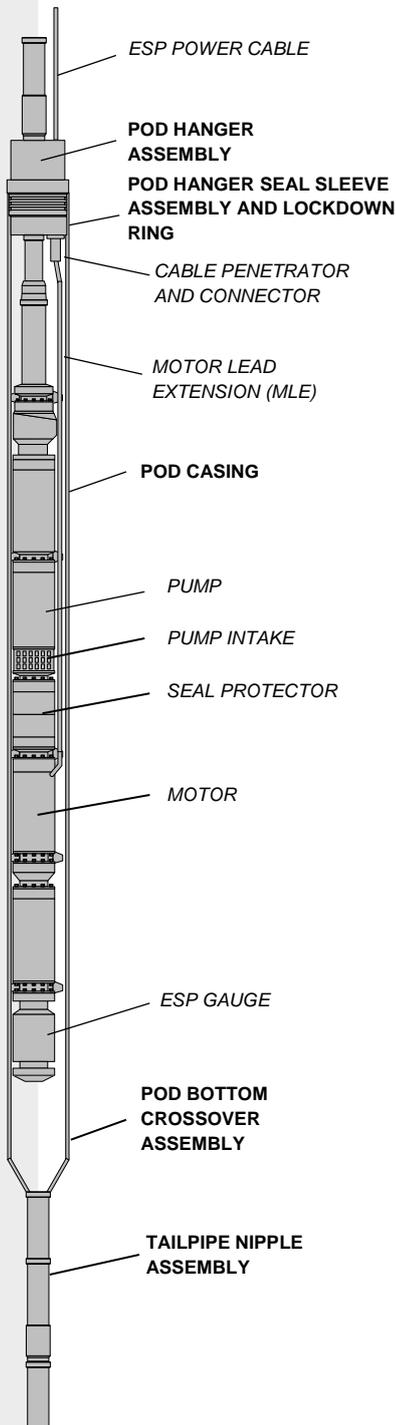


Encapsulated ESP – Pod systems



Encapsulated ESPs or pods are commonly 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 then isolates the production casing above the packer from the produced well fluids protecting your casing from potential corrosion and erosion of the production casing at the pump intake. The UMS Flowell pod system comprises 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 make up to the pump discharge head
- Pod hanger seal sleeve and lock down ring with a pin thread for make up to the pod casing
- Pod casing joints (coupled or flush joint)
- Box x pin 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 and 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 | POD Casing size | 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 |