



Inflatable ESP Packer System (I-ESP)

The IPI Inflatable Electric Submersible Pump Packer System (I-ESP) eliminates the need for production tubing when installing an ESP. An inflatable packer isolates the casing above the ESP, effectively giving the well casing dual use as casing and production tubing. The packer also serves as a torque arrestor to stabilize and protect the ESP. The I-ESP Packer System can also be configured with tubing, in the event isolation is required between multiple production zones. This innovative Inflatable ESP Packer System also enables rigless deployment and retrieval of ESPs.

APPLICATIONS:

- Water wells - industrial and municipal
- Mine or construction site de-watering
- Leach/Solution mining – monitoring and recovery wells
- Low-temperature oil wells

FEATURES:

- Fast efficient installation and removal
- Inflation pressure is controlled accurately to minimise casing damage – critical when using fibreglass lined or fibreglass casing
- Rigless operations – not needing a production string means, the I-ESP Packer can be deployed using a range of methods
- Lower power consumption due to high electrical power efficiency and low frictional head loss
- Protects pump assembly, prevents chaffing of casing and pump
- Less corrosion and bacterial activity
- Reduced maintenance costs
- Improved well bore hydraulics
- Suitable for wells with severe dog-legs
- Able to be deployed with production tubing – in situation requiring isolation between surface water, upper aquifers from production zones
- May allow reduced hole diameter and/or use of lighter wall casing
- Sizes from 4" to 24"

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