



**Replacement
Inflatable
Packers &
Elements PTY LTD**

Pump Packer Riserless System (PPRS)

The Pump Packer Riserless System (PPRS) represents a new way forward in water well production and dewatering strategies. Our pump packer riserless system offers great flexibility of use, ease of deployment and significant cost saving compared to traditional pump riser systems.

The key to our Pump Packer Riserless system (PPRS) is the inflatable packer, which supports the pump assembly as well as providing the necessary seal which allows the bore casing above the packer to act as the production riser. Thus eliminating the small bore separate pump riser of traditional systems, frictional losses are greatly decreased while enhancing production flow and extending the operational life of the pump.

The Pump Packer Riserless system (PPRS) is very flexible,. By simply deflating the inflatable packer, the riserless pump may be lowered further down the production casing and reinflated should the production horizon fall. As well, the PPRS can be easily removed for pump maintenance or for removal and redeployment at another site.

KEY FEATURES:

- No separate riser; well casing acts as the riser.
- Rapid, efficient deployment and retrieval.
- Greatly reduced frictional head loss.
- New boreholes may be of reduced diameter as a separate riser does not need to be accommodated.
- Pump maintenance downtime greatly reduced.
- Overall improvement of well bore hydraulics.
- Reduced power consumption as low frictional losses translate the higher electrical power efficiency.
- Pump assembly is protected from surface debris ingress.
- Undesirable upper aquifer and groundwater contaminants are excluded from the production horizon.
- Accommodation can be made for pass through tubing in the inflatable packer for static head monitoring and other investigations.

