Inflatable Packers International
Designers and manufacturers of inflatable packers
and associated equipment
www.inflatable-packers.com

ASR Flow Control Valve

Full Open | Metering | Full Closed

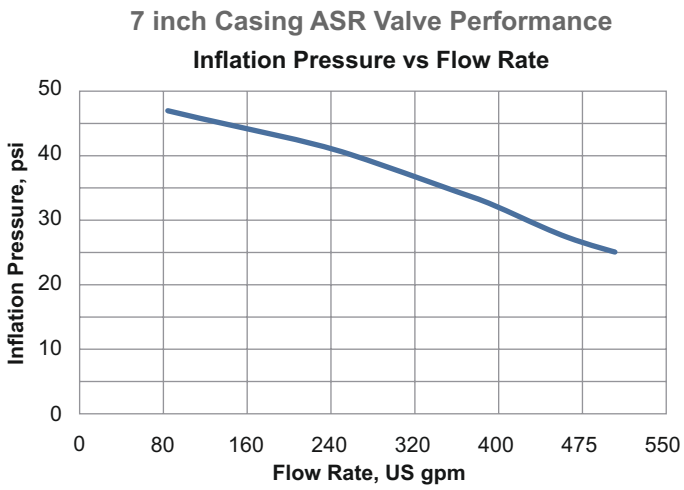
The IPI ASR (Aquifer Storage & Recovery) Flow Control Valve is an innovative and cost-effective tool for minimising the introduction of air into injection and recovery wells. The flow control element with tapered, inflated shape in conjunction with PLC control provides a single-point choke that controls high volume flow without causing fluttering, and eliminates the need to create a variable tortuous flow path. This simple approach means that the IPI ASR Valve is lighter and more economical than other similar valves. IPI can tailor the FCV design to suit your operational requirements.

APPLICATIONS:

- Aquifer storage and recovery (requires submersible pump)
- Produced water reinjection

FEATURES:

- Provision for down hole sensors
- Inflatable element expands in a tapered shape to control annular area during injection phase
- Flow rate controlled by packer inflation pressure via a PLC (Programable Logic controller) control system which monitors injection pressure at surface and adjusts the inflation pressure to maintainthe injection pressure set points (max/min)
- Packer expands full-length in closed position. Normally closed to prevent cavitation when running submersible pump
- Integrated downhole air-over-water inflation reservoir for rapid valve response
- Economical construction
- Scalable to fit a wide range of flow rates



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