



# ROBV

## Remote-Opening Barrier Valve

**On-demand  
VØ-rated  
well barriers**  
without mechanical  
intervention



You need a well barrier for well completion, testing, and intervention operations. But installing and operating a temporary well barrier requires mechanical intervention and the associated time, cost, and personnel. Plus, every time you run into and out of a well, you risk mechanical failure or wellbore damage.



**What if you could install a well barrier that opens and closes as needed without mechanical intervention?**

The Weatherford remote-opening barrier valve (ROBV) provides a gas-tight seal that holds pressure from above and below. The ROBV is capable of activating multiple times through a unique pressure-signature detection or timer, eliminating the need for slickline, wireline, or coiled tubing intervention.

Suitable for most well environments and designed to be run in a wide variety of applications, especially when paired with Weatherford's proven and extensive portfolio of retrievable WidePak packer and ISO Extreme well barriers, the ROBV is a versatile solution that, reduces interventions, lowers HSE risks, and increases operational efficiency.



### BIDIRECTIONAL ISOLATION

Gas-tight seal holds pressure from above and below with a VØ-rated valve, providing operational flexibility



### DURABLE DESIGN

Large flow area and metal-to-metal seal reduces wear and erosion from fluid friction, reducing the likelihood of clogging



### EFFICIENCY GAINS

Remote activation and multi-cycle capabilities eliminates unnecessary mechanical equalization or opening trips, reducing personnel and HSE risks



## BIDIRECTIONAL ISOLATION

### Mechanical Ball Valve

Qualified to API 11D1 V0 up to 10,000 psi and capable of opening at up to 6,500 psi differential pressure, the large flow area of the ROBV reduces the pressure drop across the valve when open, allowing the valve to handle higher volumes of fluids (11 bbl/min).

### Multiple Applications

The ROBV serves as a temporary well barrier for well intervention operations such as production packer setting, second barrier for wellhead or BOP installation and testing, liner deployment and pressure testing, barrier for tubing conveyed perforating, isolation or plugback device for well and inflow testing, and zonal isolation.

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## DURABLE DESIGN

### Extensive Battery Life

Suitable for long-term downhole installation of up to 20 months or 1,500 hours while maintaining full functionality and data logging. The built-in pressure and temperature gauges measure and record data for download and analysis upon retrieval.

### Debris Tolerant

The debris-tolerant design incorporates an actuation sleeve positioned below the valve, ensuring it remains in clean fluid and is isolated from debris during long-term suspensions.

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## EFFICIENCY GAINS

### Unique Pressure-Cycle Activation

Frequency and rate-of-change-based pressure actuation provides custom and reliable operation while eliminating unintentional activation. A pre-programmable timer is used for closing or when pressure activation is not possible.

### No Unintentional Activations

Non-recognized pressure events or signatures will be ignored, enabling post-installation operations to proceed without risk of unintentional activation due to varying reservoir or hydrostatic pressures.

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**Discover how** a multicycle well barrier eliminates mechanical intervention.

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