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ENGINEERING YOUR UPTIME.

A large industrial valve assembly is the central focus, mounted on a grey metal frame. The valve is spherical and grey, with various pipes and fittings connected to it. The pipes are painted in bright green and red. The assembly is situated on a sandy or gravelly construction site under a cloudy sky. In the foreground, there are more pipes and a black motorized component. The background shows a flat, open area with some construction materials and a distant horizon.

# OIL PRODUCTION VALVE SOLUTION GUIDE

# Oil Production & Processing Environment

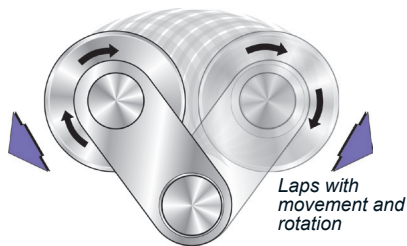
Everlasting's rotating-disc valve is purpose-built for the harshest media and severe-service environments.

Its self-cleaning, wear-in design maintains performance under extreme conditions, significantly reducing unplanned downtime, maintenance demands, and total cost of ownership.

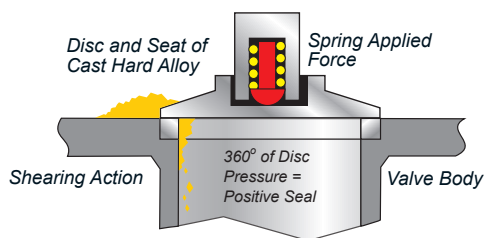
Oil production involves extraction, separation, treatment, and transfer of crude oil and gas from wells to processing facilities. Key challenges EV addresses in these environments are abrasive, corrosive, and pressure-intensive, exposing valves to sand, scale, and multiphase flow.

## Everlasting Valves & Diverters Features:

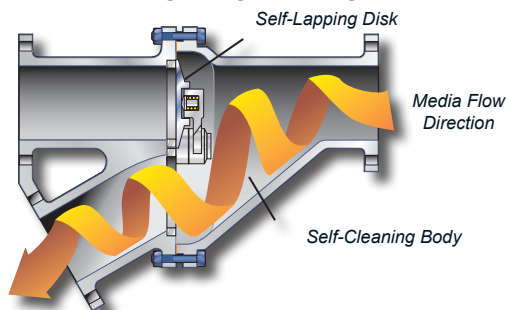
### SELF-LAPPING SEALING SURFACES



### POSITIVE SHUT-OFF



### SELF-CLEANING



## Key Oil Production Applications for Everlasting Valves

### Wellhead & Separator Systems

**Location:** Between wellhead manifolds and primary separators

**Media:** Oil, gas, produced water, sand, scale

**Valve Type:** Process

**Function:** Isolates high-solid or multiphase streams.

**Why EV Works:** Withstands erosive sand-laden flow, self-cleaning action prevents buildup or sticking and Serviceable repacking for minimal downtime

### Heater Treater / Desalter Systems

**Location:** Oil dehydration and desalting vessels

**Media:** Hot oil, water, salts, sludge

**Valve Type:** Process

**Function:** Drain applications where solids settle at the bottom

**Why EV Works:** Handles sludge and heavy bottoms with ease and tight shutoff eliminates leakage of hydrocarbon-laden water

### Produced Water Treatment/Skim Systems

**Location:** Water knockout vessels, oil-water separators, and filtration units

**Media:** Water, sand, oil residuals

**Valve Type:** Process

**Function:** Manages abrasive water and solids in discharge lines

**Why EV Works:** Non-clogging and self-lapping disc improves over time and operates reliably under pressure cycling

### Gas Compression & Utility Lines

**Location:** Compressor discharge, fuel gas systems, and air lines

**Media:** Gas, condensate, air mix

**Valve Type:** Process

**Function:** Purge, venting, and isolation duties

**Why EV Works:** Handles pressure and temperature variation and long life under cyclic service

### Oil Transfer & Pipeline Systems

**Location:** Gathering and transfer pipelines, tank farm manifolds

**Media:** Crude oil, sludge, water, wax mix

**Valve Type:** Process

**Function:** Isolation of abrasive or viscous media

**Why EV Works:** Handles heavy crude and waxy slurries without clogging and proven durability in upstream and midstream duties

## Why Everlasting Valves Excel in Production & Processing Environment

- **Rotating disc and self-lapping design:** Reduces the effects from erosion, increasing your ROI
- **Easy to service:** repacking, extends uptime
- **Handles multiphase and abrasive flow:** Ideal for produced sand and sludge
- **Proven reliability:** Used in upstream, midstream, and downstream service globally
- **Meets or exceeds:** Seat Leakage Class Rating - maintains integrity under high pressure and solids load

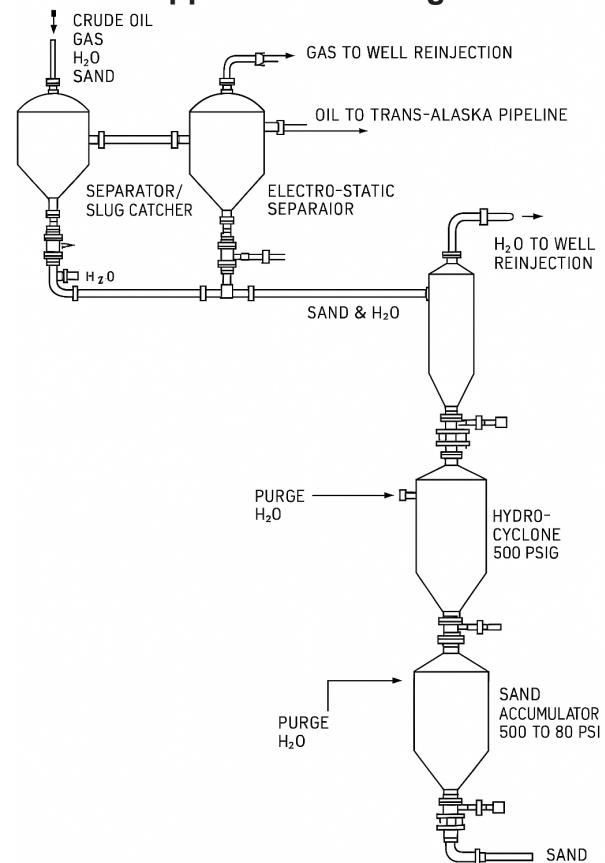


Produced Water De-sanding Hydro-cyclone, Ambient Temp, 100psi

## Application and Everlasting Valve Product Fit:

- Slug-catcher Solids Blow-down
- Dehydrator Discharge
- Sand Jet Skid Outlet
- Emulsion Layer Blow-off
- Solids from Liquids Hydro-cyclones
- Electrostatic Separators
- Well Head Diverter Test Valves
- Test Separator Blow-down
- Solids Injection Systems
- Dry Grind & Inject Systems
- Emergency Shutdown Valves

## Application Fit Diagram



Process Valve

System Area	Media	Everlasting Valve	Function
Wellhead & Separator	Oil, sand, water	Process	Isolation
Heater Treater	Oil, sludge		Blow-down, sludge removal
Produced Water	Water, solids		Isolation
Gas Compression	Air, gas mix		Venting & purge
Oil Transfer	Crude, wax		Isolation



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## Service Excellence in Action

When you choose Everlasting Valve Company, you're not just selecting a product—you're gaining a partner dedicated to long-term performance and support. Our commitment to service extends far beyond standard maintenance or repair. It means timely access to our knowledgeable team of engineers and service professionals—ready to respond anytime, anywhere your operations demand.

At Everlasting, we pride ourselves on becoming an extension of your team. You can count on us to take ownership of every challenge and deliver practical, lasting solutions. When issues arise, our technical experts go beyond the symptoms to uncover the true cause. We evaluate your complete system to identify and resolve problems with precision and care.

Our comprehensive service approach is designed to maximize equipment reliability, enhance operational efficiency, and reduce total cost of ownership.

## Contact us today for your next project!



Whether you are requesting a quote, need more information, or want to discuss customized valves that address your specific requirements, just let us know. Everlasting Valve is committed to providing prompt, responsive service, every time.

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