

**LOW PRESSURE  
HIGH VOLUME VALVE**



**KIMRAY**  
INC.®

# LPHV VALVE

The Low Pressure High Volume Valve is for oil and gas producers who want to extend production time through flowback and in erosive applications.

It provides long-lasting, robust control of low-pressure applications that allows you to avoid downtime and keep your well running longer.

## BENEFITS

### Angle-Body Design

The angled body design creates a low-contact flow path for the fluid. When the valve is open, more volume can flow through the valve with less contact on the valve body than in a through-body valve design.

### Inverted Valve Trim

The inverted valve trim design means the trim is lifted out of the flow path when the valve opens. This reduces the amount of contact between the erosive production fluid and the trim, limiting the potential for damage.

### Open-Yoke Position Indicator

The open-yoke position indicator on this valve means you don't have to guess whether the valve is open or closed. Just like on our High Pressure Control Valve, you can clearly see the valve's position with a glance.

### Electric or Pneumatic Actuation

The Low Pressure High Volume Valve can be powered with pneumatic supply, or you can pair it with one of our electric actuators and reap the two key benefits of electric control: zero-emission operation and remote monitoring and control.

### Field-Reversible Topworks

With the pneumatic version, you can convert the topworks in the field from fail-closed or fail-open operation.

### Applications

The Low Pressure High Volume valve is ideal for liquid dump applications on your oil and gas separator or free water knockout.

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# SPECIFICATIONS

|                           |   |
|---------------------------|---|
| Max WP                    | up to 500psi  |
| Max Pressure Differential | *500psi, (250 psi recommended)  |
| Actuator Pressure Range   | Standard 6-30 psi   |
| Elastomer Options         | HSN, FKM,   |
| Min/Max Temp              | HSN: -20 to +250F, FKM: -15 to +400F,                                       |
| Trim Options              | Standard, Corrosive, and Erosive  |
| Sizes Available           | 2" Standard, 2" Reduced, 3" Standard, 3" Reduced                            |
| Cv Values                 | 2" standard = 54<br>2" reduced = 29<br>3" standard = 109<br>3" reduced = 72 |

\* Valve will operate up to 500 psi pressure drop, but could experience some hammering effects if pressure drop is greater than 250psi, which could shorten the life of the trim. We recommend no more than 250 psi pressure drop.



# WHO WE ARE

Kimray is a world-class manufacturer of oil and gas control equipment based in Oklahoma City, Oklahoma, USA. Trusted for generations, Kimray has been creating simple, effective products for temperature, level, flow, and pressure control since 1948.

Kimray products are known for being reliable, easy to operate, and low maintenance. Common applications include compression, gas dehydration, gas sweetening, separation, heaters, artificial lift, gas regulation skids, measurement stations and more.

Buying from Kimray is about much more than the product. The relationships between our representatives and our customers extend from before the sale through the life of the product. Those relationships, along with quality Kimray products, are the result of a company striving for excellence for our customers, our company, and our community. Visit [Kimray.com](http://Kimray.com) to learn more about our company and the products we create.



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