

# T-BODY HIGH PRESSURE CONTROL VALVE



**KIMRAY**  
INC.®

# T-BODY HPCV

If you work in oil and gas production, you know erosive production fluid causes equipment damage and leads to costly downtime. High Pressure Control Valves often bear the brunt of this erosion, and the valve bodies can eventually be compromised.

The T-Body High Pressure Control Valve provides long-lasting, robust control of high-pressure processes and allows you to extend production time in flowback and erosive applications.

## BENEFITS

### Replaceable Wear Plug Assembly

The key feature of the T-Body valve is the replaceable wear plug. This plug is designed to absorb the force of sand and other erosive materials that wear away and damage HPCVs.

With the T-Body, this sacrificial piece can be easily examined and replaced without taking the valve out of line. This is a much more low-cost option than replacing the entire valve body. With routine inspection, this feature also mitigates the potential for personal and environmental harm and provides the operator the ability to plan downtime more easily.

### Configurable Body (NPT option only)

This valve can also be quickly converted from through-body to angle-body configuration. This means the operator can reconfigure the valve and piping to adjust for unexpected or changing process conditions.

### Field-Reversible Top Works

With the pneumatic version of the T-Body, you can also convert the topworks easily in the field from fail-closed to fail-open operation, or vice versa.

### Electric or Pneumatic Actuation

The T-Body High Pressure Control Valve comes standard for pneumatic actuation, or you can pair it with one of our electric actuators to reap two key benefits of electric control: zero-emission operation and remote control.

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The T-Body design allows you to extend production time in flowback and erosive applications.

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Replaceable Wear Plug Assembly

## APPLICATIONS

The T-Body High Pressure Control Valve is ideal for liquid dump, plunger lift, gas lift, flowback, or any other control applications where erosive conditions exist.

# SPECIFICATIONS

Actuator Pressure Range	Standard 6-30 psig
Elastomer Options	Buna, HSN, FKM, Aflas
Min/Max Temp	Buna: -30 to +250°F, HSN: -20 to +300°F, FKM: -15 to +400°F, Aflas: +15F to +450°F
Trim Options	Standard, Corrosive, and Erosive
End Connection	NPT, 150RF, 300RF, 600RF, 900RF/1500RF, 900RTJ/1500RTJ, 2-1/16 API 5000
Cv Values	Max 1.7 - 21 depending on trim size and type
Body	WCB
Wear Plug	D2 Steel



# VALVES AVAILABLE

Cat. No.	Description	MAX W.P.	Cat. No.	Description	MAX W.P.
MKL	2400 SMD PO 1 IV	4000	MLI	2 FMD 600RF PO 1 IV	1480
MKJ	2400 SMD PO 3/4 IV	4000	MLJ	2 FMD 600RF PO 3/4 IV	1480
MKI	2400 SMD PO 1/2 IV	4000	MLK	2 FMD 600RF PO 1/2 IV	1480
MKG	2400 SMD PO 3/8 IV	4000	MLL	2 FMD 600RF PO 3/8 IV	1480
MKF	2400 SMD PO 1/4 IV	4000	MLM	2 FMD 1500RF PO 1 IV	3705
MKO	2600 SMD PO 1 IV -65TWKS	6000	MLN	2 FMD 1500RF PO 3/4 IV	3705
MKN	2600 SMD PO 3/4 IV -65TWKS	6000	MLO	2 FMD 1500RF PO 1/2 IV	3705
MKM	2600 SMD PO 1/2 IV -65TWKS	6000	MLP	2 FMD 1500RF PO 3/8 IV	3705
MLA	2 FMD 150RF PO 1 IV	285	MLQ	2 FMD 1500RTJ PO 1 IV	3705
MLB	2 FMD 150RF PO 3/4 IV	285	MLR	2 FMD 1500RTJ PO 3/4 IV	3705
MLC	2 FMD 150RF PO 1/2 IV	285	MLS	2 FMD 1500RTJ PO 1/2 IV	3705
MLD	2 FMD 150RF PO 3/8 IV	285	MLT	2 FMD 1500RTJ PO 3/8 IV	3705
MLE	2 FMD 300RF PO 1 IV	740	MLU	2-16 API FMD PO 1 IV 45#SPR	5000
MLF	2 FMD 300RF PO 3/4 IV	740	MLV	2-16 API FMD PO 3/4 IV 45#SPR	5000
MLG	2 FMD 300RF PO 1/2 IV	740	MLW	2-16 API FMD PO 1/2 IV 45#SPR	5000
MLH	2 FMD 300RF PO 3/8 IV	740	MLX	2-16 API FMD PO 3/8 IV 45#SPR	5000

For additional configurations and options, please visit [Kimray.com](http://Kimray.com) or contact your local Kimray store or authorized distributor.

# 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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