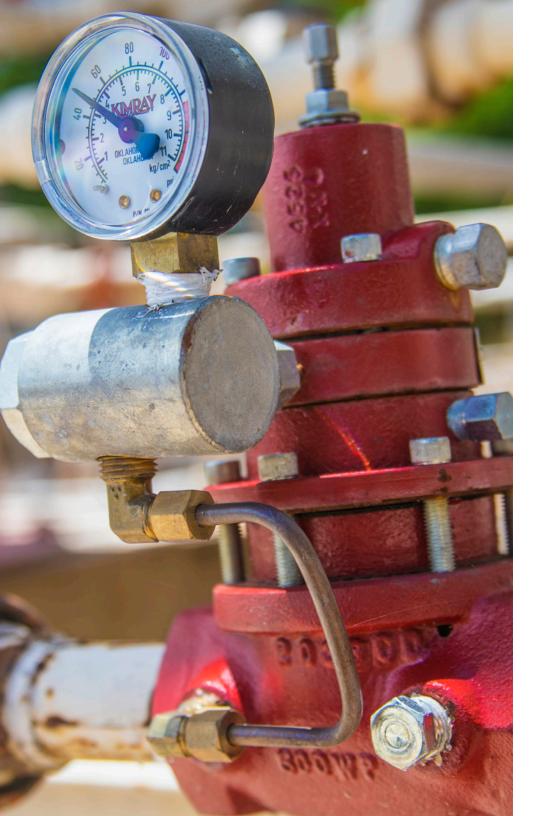


PRODUCT APPLICATION GUIDE









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

Kimray products are known for being reliable, easy to operate, and low maintenance. Common applications for Kimray products 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 Kimray 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 to learn more about our company and the products we



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*Final temperature and pressure are dependent upon material options. Contact your Kimray sales representative for more information.



Pneumatically controls the liquid level within a vessel.

Pressure Rating: 4000 psig Temperature Range: -20° to 450° F Connections: NPT, Flanged, Hammer Union



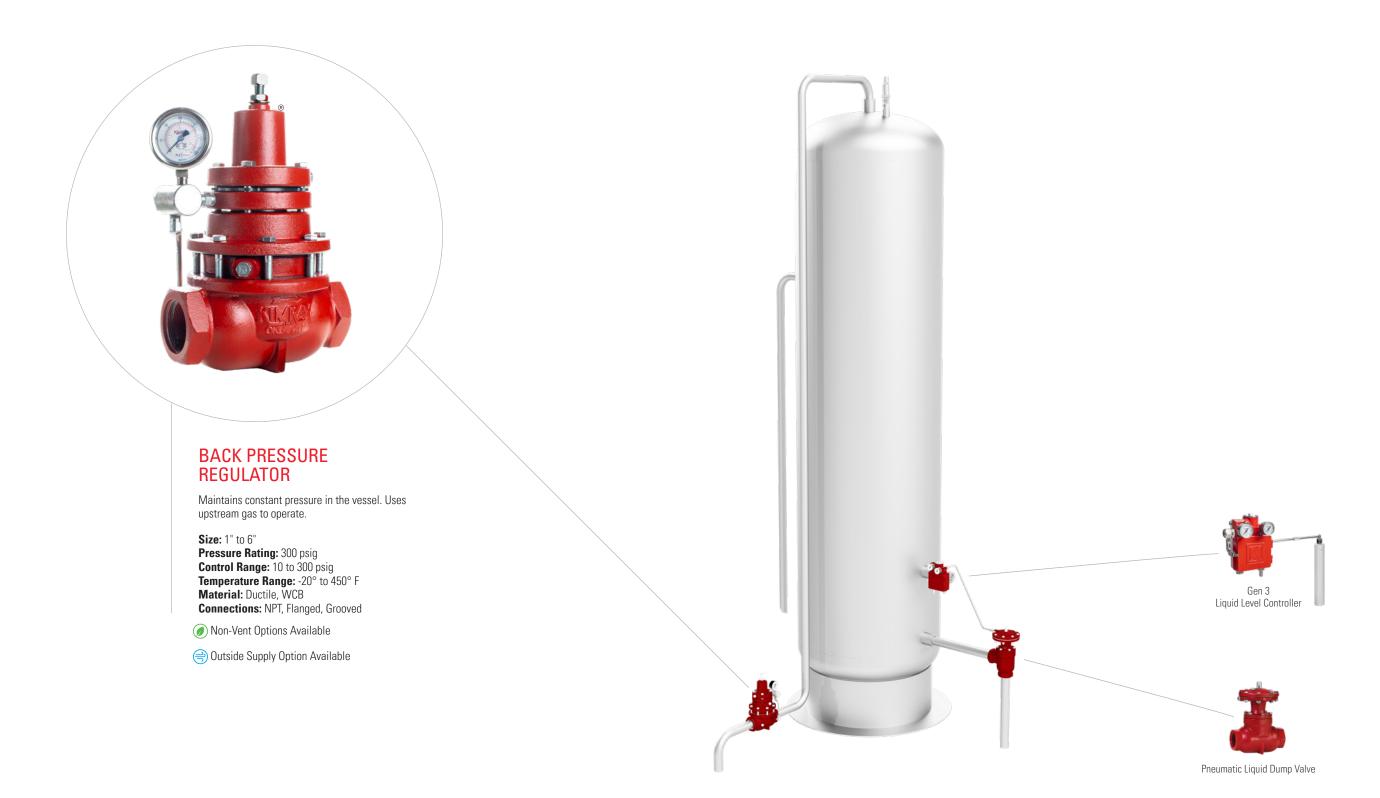
PNEUMATIC LIQUID **DUMP VALVE**

Used as an oil or water valve for separators, meters, and water knockouts where a reduced signal pressure is available.

Size: 2" to 6"

Pressure Rating: 500 psig
Temperature Range: -20° to 450° F
Material: Ductile, WCB

Connections: NPT, Flanged





TRUNNION ASSEMBLY

Transfers force to a mechanical valve based on the liquid level.

Size: 6" to 10"

Pressure Rating: 500 psig Temperature Range: -20° to 450° F

Material: Ductile, WCB

Connections: Hammer Union, Flanged



LIQUID DUMP VALVE

Uses a mechanical lever to remove all types of liquid from the vessel.

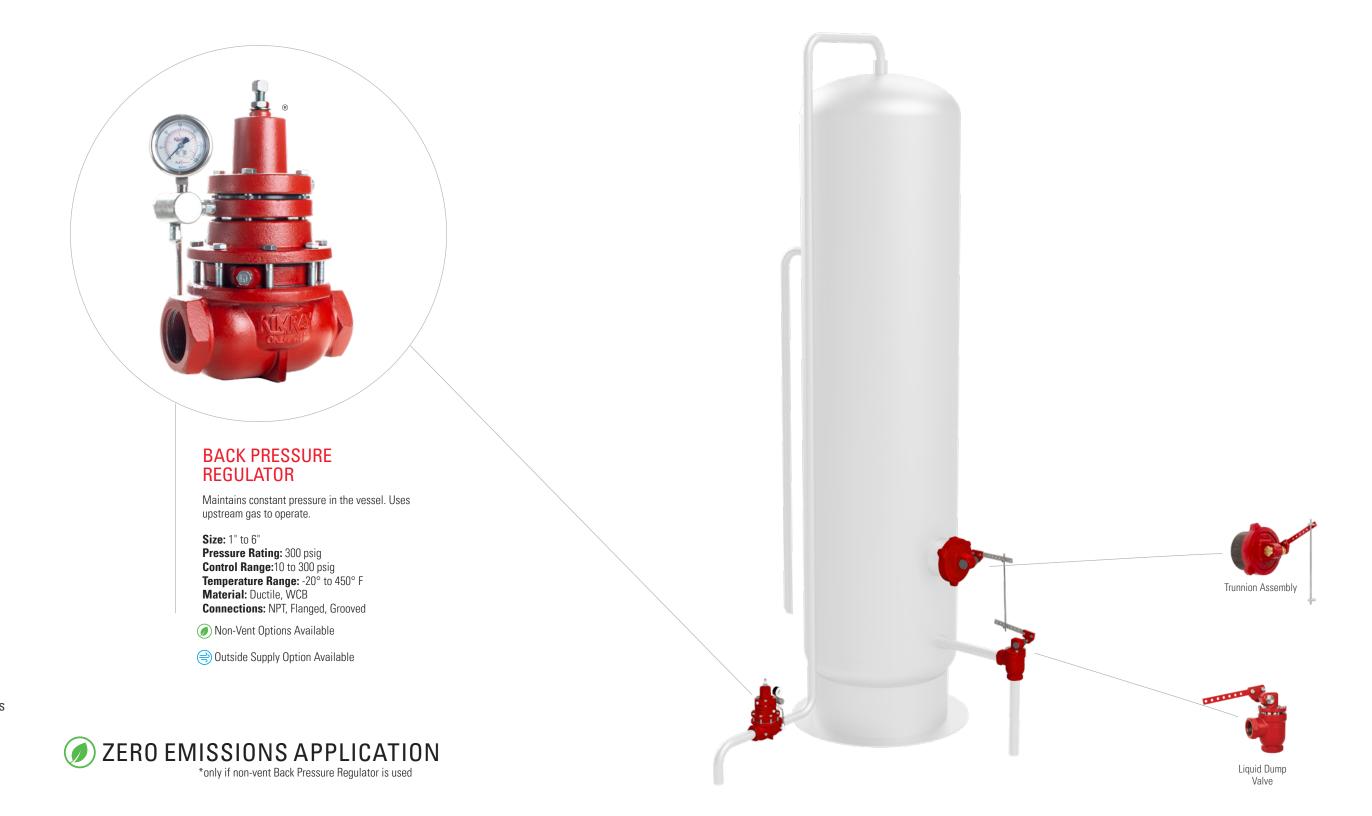
Size: 2" to 6"

Pressure Rating: Up to 500 psig
Temperature Range: -20° to 450° F

Material: Ductile, WCB Connections: NPT, Flanged

Coal Bed Methane Application - Kimray has helped pioneer coal seam gas production with producers across the United States, India, and Australia.

Coal Seam Gas recovery, also called Coal Bed Methane production, is a method of recovering gas stored in coal.





ELECTRIC PILOT

Provides precise valve regulation for flow control.

Features: PID for direct or indirect control, PID auto-tune, ON-OFF control for shutdown applications, low power, Class I, Div. 1 explosion-proof rating, discrete I/O

Input voltage: 10-30 VDC Communication: MODBUS RS-485 Analog input: 4-20mA from sensor Analog output: 4-20mA to valve actuator



TRITEX II ELECTRIC ACTUATOR

Combined with a Kimray High Pressure Control Valve provides a precise and reliable method of control.

Voltage: 12-48 VDC

Rating: Class 1, Division 2, groups A, B,C & D **Speed:** Up to 5"/sec.

Stroke: 3" max



VALVCON ELECTRIC ACTUATOR

Enables Kimray High Pressure Control Valves to be controlled by common quarter-turn electric actuators. To control level, flow, pressure, temperature of process fluid.

Features: Open-yoke design, standard coupling block and mounting hardware to valve, weather-tight, maintenance free

Size: 1" and 2"

T-Body HPCV available for erosive applications







Tritex II Electric Actuator



Pneumatically controls the liquid level within a vessel.

Pressure Rating: 4000 psig **Temperature Range:** -20° to 450° F Connections: NPT, Flanged, Hammer Union



PNEUMATIC LIQUID LEVEL SWITCH

This snap-acting stainless steel switch has a sealless design, isolating liquids from the pneumatics.

Pressure Rating: 2000 psig Temperature Range: -20° to 450° F Maximum Supply Pressure: 75 psig

Flectric Options Available



BACK PRESSURE REGULATOR PACKAGE

Maintains constant pressure in the vessel. Uses upstream gas to operate.

Size: 1" to 10"

Pressure Rating: 1": Up to 6000 psig

2": Up to 6170 psig 3" to 10": Up to 1440 psig

Control Range: vacuum to 2500 psig Temperature Range: -20° to 450° F

Material: WCB

Connections: NPT, Flanged



T-BODY HIGH PRESSURE **CONTROL VALVE**

Used as a snap liquid dump valve or a throttle liquid control valve in erosive applications.

Size: 2"

Pressure Rating: Up to 6000 psig **Temperature Range:** -15° to 450° F

Material: WCB

Connections: NPT, Flanged



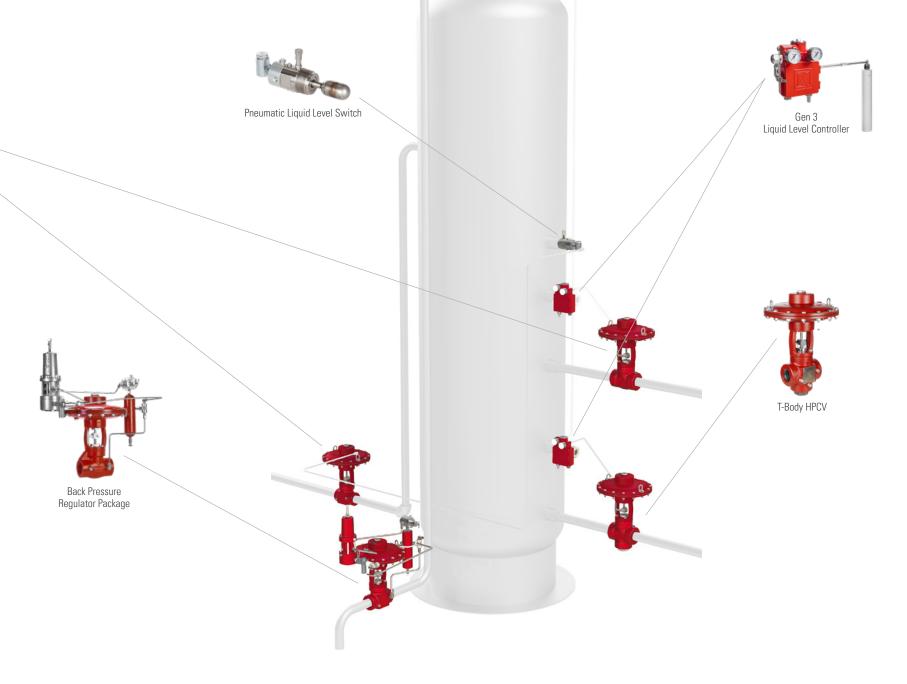
Functions as a snap liquid dump valve or

2": Up to 6170 psig 3" to 10": Up to 1440 psig

Temperature Range: -20° to 450° F

Material: WCB

Connections: NPT, Flanged



HIGH PRESSURE CONTROL VALVE

a throttle control valve.

Size: 1" to 10"

Pressure Rating: 1": Up to 6000 psig

VERTICAL

SEPARATO

70

HIGH PRESSURE, PNEUMATIC, 3-PHASE



ELECTRIC PILOT

Provides precise valve regulation for flow control.

Features: PID for direct or indirect control, PID auto-tune, ON-OFF control for shutdown applications, low power, Class I, Div. 1 explosion-proof rating, discrete I/O Input voltage: 10-30 VDC Communication: MODBUS RS-485

Analog input: 4-20mA from sensor Analog output: 4-20mA to valve actuator

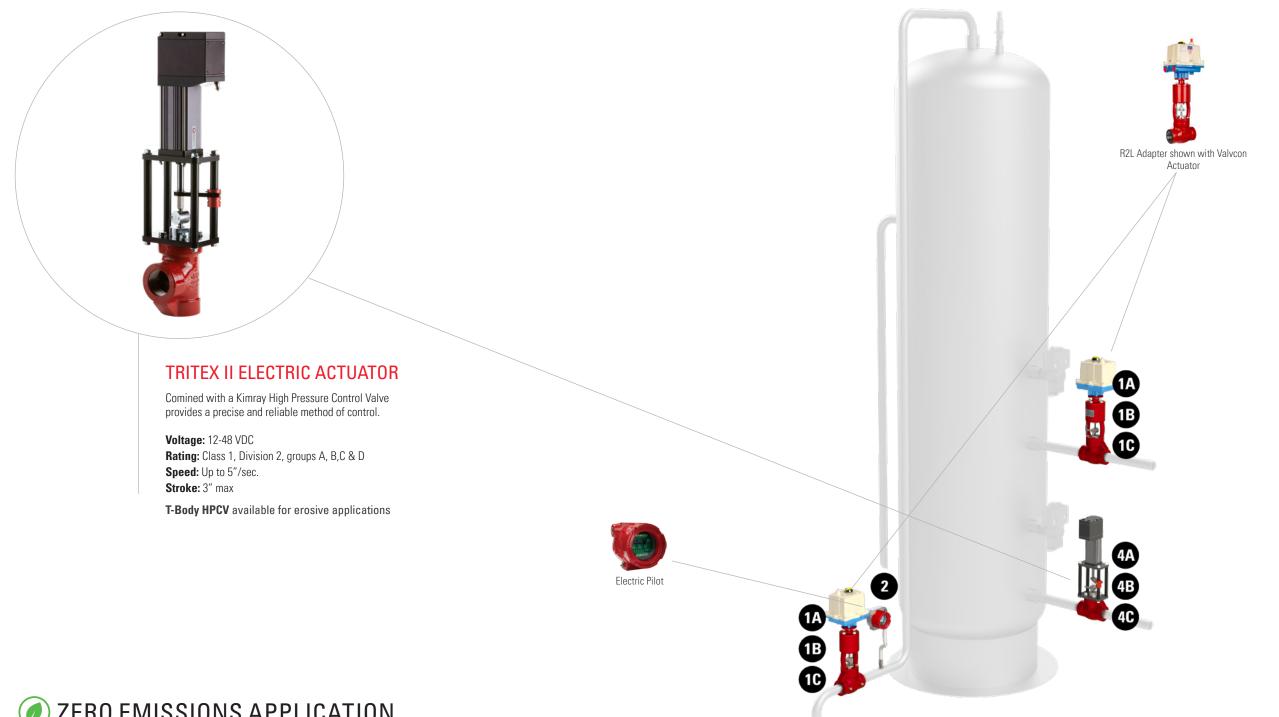


R2L ADAPTER SHOWN WITH VALVCON ELECTRIC ACTUATOR

Enables Kimray High Pressure Control Valves to be controlled by common quarter-turn electric actuators. To control level, flow, pressure, temperature of process fluid.

Features: Open-yoke design, standard coupling block and mounting hardware to valve, weather-tight, maintenance free design.

Size: 1" and 2"





Pneumatically controls the liquid level within a vessel.

Pressure Rating: 4000 psig **Temperature Range:** -20° to 450° F **Connections:** NPT, Flanged, Hammer Union



PNEUMATIC LIQUID LEVEL SWITCH

This snap-acting stainless steel switch has a sealless design, isolating liquids from the pneumatics.

Pressure Rating: 2000 psig **Temperature Range:** -20° to 450° F Maximum Supply Pressure: 75 psig Flectric Options Available



HIGH PRESSURE CONTROL VALVE

Functions as a snap liquid dump valve or a throttle control valve.

Size: 1" to 10"

Pressure Rating: 1": Up to 6000 psig 2": Up to 6170 psig

3" to 10": Up to 1440 psig

Temperature Range: -20° to 450° F Material: WCB

Connections: NPT, Flanged



T-BODY HIGH PRESSURE **CONTROL VALVE**

Used as a snap liquid dump valve or a throttle liquid control valve in erosive applications.

Pressure Rating: Up to 6000 psig Temperature Range: -15° to 450° F

Material: WCB

Connections: NPT, Flanged



BACK PRESSURE REGULATOR PACKAGE

Maintains constant pressure in the vessel. Uses upstream gas to operate.

Size: 1" to 10"

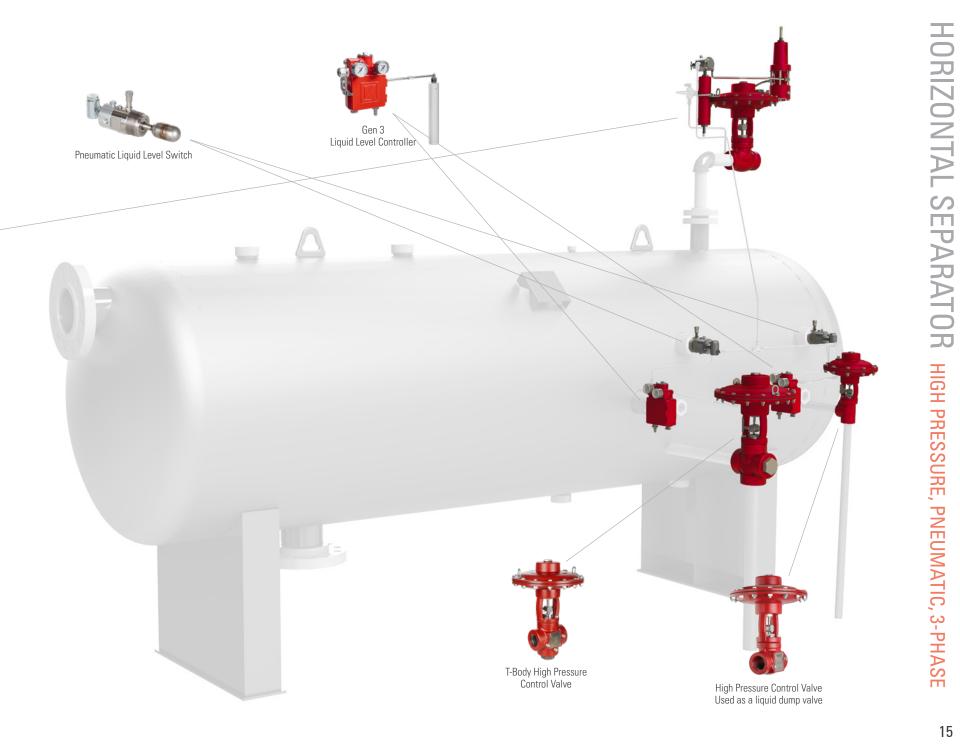
Pressure Rating: 1": Up to 6000 psig 2": Up to 6170 psig

3" to 10": Up to 1440 psig

Control Range: vacuum to 2500 psig **Temperature Range:** -20° to 450° F

Material: WCB

Connections: NPT, Flanged





TRUNNION ASSEMBLY

Transfers force to a mechanical valve based on the liquid level.

Size: 6" to 10"

Pressure Rating: 500 psig

Temperature Range: -20° to 450° F

Material: Ductile, WCB

Connections: Hammer Union, Flanged



LIQUID DUMP VALVE

Uses a mechanical lever to remove all types of liquid from the vessel.

Size: 2" to 6"

Pressure Rating: Up to 500 psig
Temperature Range: -20° to 450° F

Material: Ductile, WCB Connections: NPT, Flanged



BACK PRESSURE REGULATOR

Maintains constant pressure in the vessel. Uses upstream gas to operate.

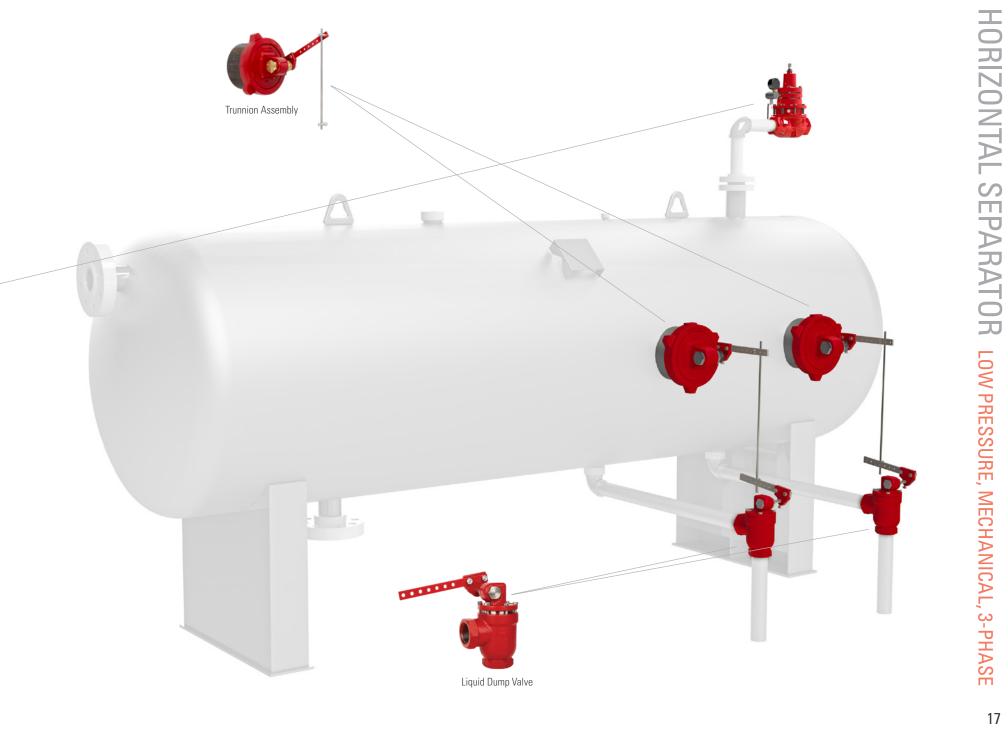
Size: 1" to 6"

Pressure Rating: 300 psig Control Range: 10 to 300 psig **Temperature Range:** -20° to 450° F

Material: Ductile, WCB Connections: NPT, Flanged, Grooved

Non-Vent Options Available

(a) Outside Supply Option Available







BACK PRESSURE REGULATOR

Maintains constant pressure in the vessel. Uses upstream gas to operate

Size: 1" to 6"

Pressure Rating: 300 psig
Control Range: 10 to 300 psig
Temperature Range: -20° to 450° F

Material: Ductile, WCB

Connections: NPT, Flanged, Grooved

Non-Vent Options Available

(a) Outside Supply Option Available



DOUBLE-ACTING LOW PRESSURE CONTROL VALVE

Non-adjustable burner valve or shut-down valve that controls the flow of gas to the flame tube.

Size: 1" to 6"

Pressure Rating: 300 psig

Control Range: 5 to 50 psig, depending on springs

Temperature Range: -20° to 450° F

Material: Ductile, WCB

Connections: NPT, Flanged, Grooved



PNEUMATIC LIQUID LEVEL SWITCH

This snap-acting stainless steel switch has a seal-less design, isolating liquids from the pneumatics.

Pressure Rating: 2000 psig
Temperature Range: -20° to 450° F
Maximum Supply Pressure: 75 psig

Flectric Options Available



TEMPERATURE CONTROLLER

Monitors the temperature and provides pneumatic output proportional to the temperature.

Pressure Rating: 500 psig, 4000 psig with separable socket

Temperature Range: -30° to 750° F **Separable Socket:** 4000 psig



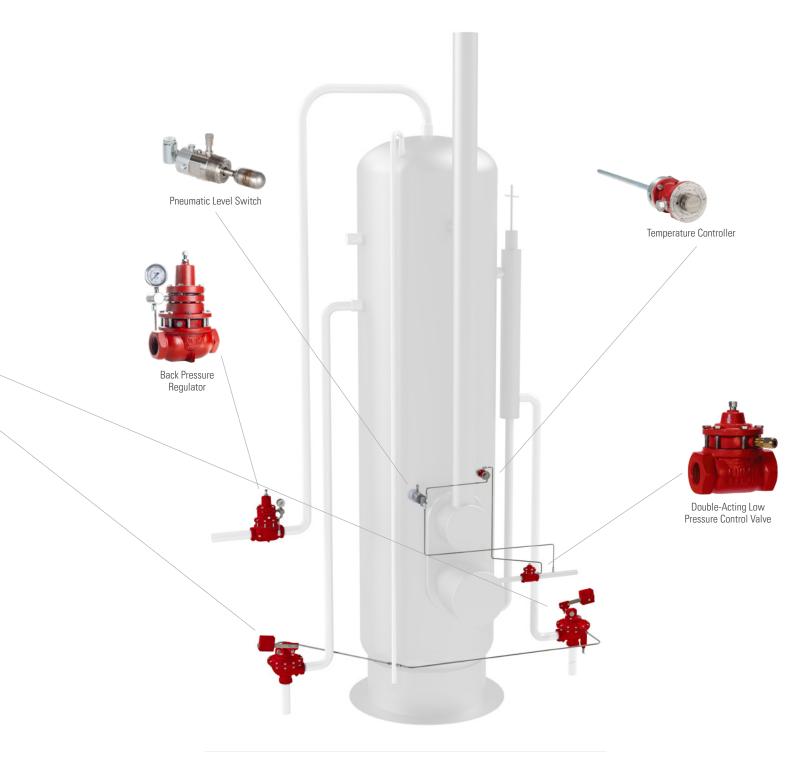
Floatless level control valve used on water leg and oil leg of a heater treater.

Size: 2" to 6"

Pressure Rating: 125 psig **Temperature Range:** -20° to 450° F

Material: Ductile, WCB Connections: NPT, Flanged

Zero Emissions



ELECTRIC

Weight Operated

Dump Valve



R2L ADAPTER SHOWN WITH VALVCON ELECTRIC ACTUATOR

Enables Kimray High Pressure Control Valves to be controlled by common quarter-turn electric actuators. To control level, flow, pressure, temperature of process fluid.

Features: Open-yoke design, standard coupling block and mounting hardware to valve, weather-tight, maintenance free design.

Size: 1" and 2"



WEIGHT OPERATED DUMP VALVE

Floatless level control valve used on water leg and oil leg of a heater treater.

Size: 2" to 6"

Pressure Rating: 125 psig **Temperature Range:** -20° to 450° F

Material: Ductile, WCB
Connections: NPT, Flanged



ELECTRIC PILOT

Provides precise valve regulation for flow control.

Features: PID for direct or indirect control, PID auto-tune, ON-OFF control for shutdown applications, low power, Class I, Div. 1 explosion-proof rating, discrete I/O

Input voltage: 10-30 VDC

Communication: MODBUS RS-485 Analog input: 4-20mA from sensor Analog output: 4-20mA to valve actuator

E-LO CONTROL VALVE

Provides precise valve regulation for flow control.

Features: Proof of Closure Indication (NFPA 87), single soft seat, mechanical overdrive to insure full closure, removable valve seat, modular input accessories, analog (4-20 mA module for proportional control), discrete input module for on/off control, modbus for remote communication available

Material: Ductile, WCB
Connections: NPT





Electric Pilot









ADJUSTABLE DOUBLE-ACTING LOW PRESSURE **CONTROL VALVE**

Used as an adjustable dump valve in a seperator/ scrubber application.

Size: 1" and 2"

Pressure Rating: up to 500 psig Control Range: 5 to 250 psig Max. Dlff. Pressure: 40 to 175 psig Temperature Range: -20° to 450° F

Material: Ductile, WCB

Connections: NPT, Flanged, Grooved



DIFFERENTIAL PRESSURE REGULATOR

Controls a set difference between upstream and downstream pressure.

Size: 2" to 6"

Pressure Rating: 300 psig Control Range: 10 to 300 psig **Temperature Range:** -20° to 450° F

Material: Ductile, WCB

Connections: NPT, Flanged, Grooved



Pneumatically controls the liquid level within a vessel.

Pressure Rating: 4000 psig **Temperature Range:** -20° to 450° F Connections: NPT, Flanged, Hammer Union



Size: 1" to 6"

Material: Ductile, WCB Connections: NPT, Flanged, Grooved

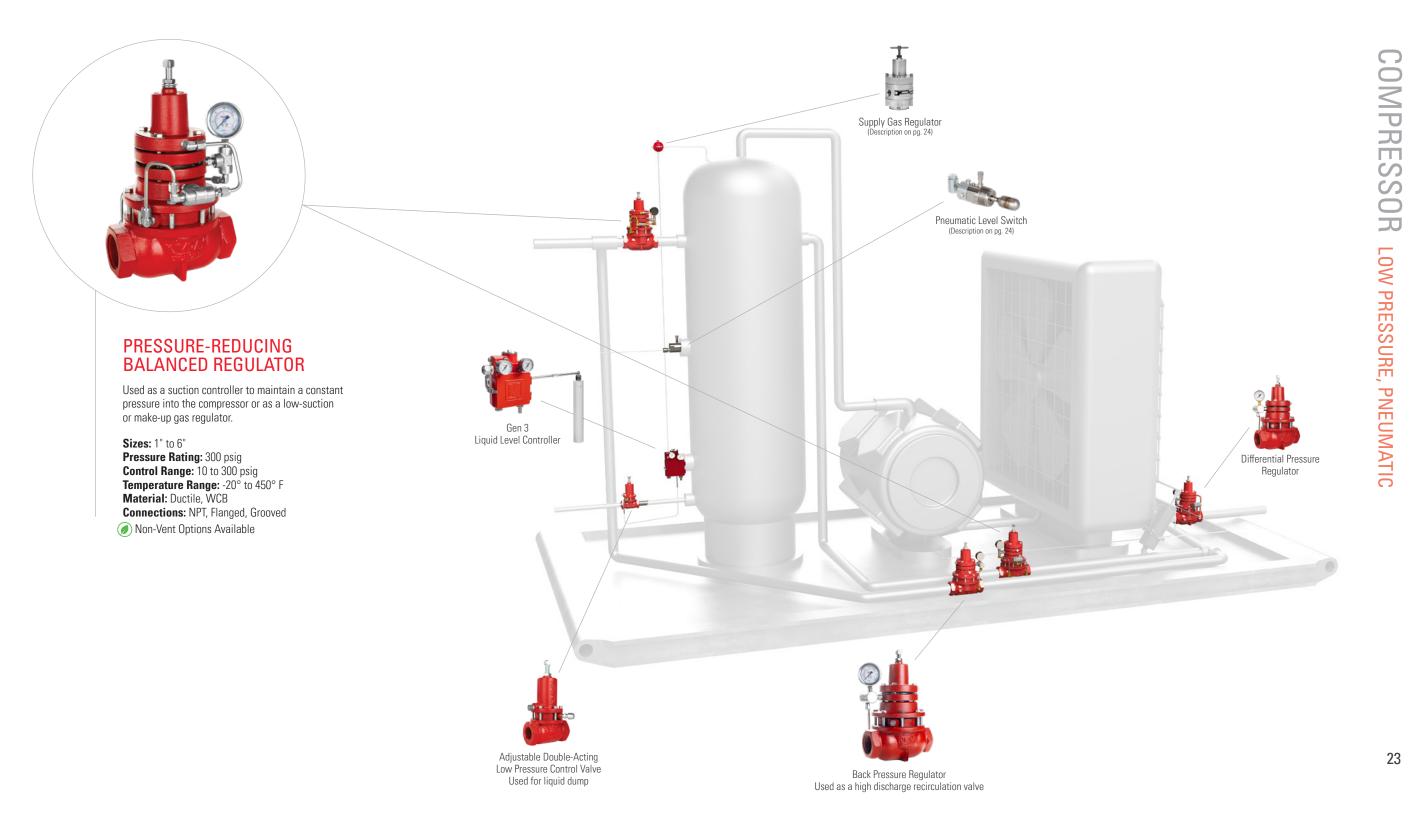
Non-Vent Options Available

(a) Outside Supply Option Available

BACK PRESSURE REGULATOR

Used as a high discharge recirculating valve.

Pressure Rating: 300 psig Control Range: 10 to 300 psig Temperature Range: -20° to 450° F





HIGH PRESSURE CONTROL VALVE

Used as a snap liquid dump valve or a throttle liquid control

Sizes: 1" to 10"

Pressure Rating: 1": Up to 6000 psig 2": Up to 6170 psig

3" to 10": Up to 1440 psig

Temperature Range: -20° to 450° F Material: WCB

Connections: NPT, Flanged



PRESSURE-REDUCING **REGULATOR PACKAGE**

Maintains constant pressure to compressor. Uses upstream gas to operate.

Size: 1" to 10"

Pressure Rating: 1": Up to 6000 psig

2": Up to 6170 psig 3" to 10": Up to 1440 psig

Control Range: vacuum to 2500 psig Temperature Range: -20° to 450° F Material: WCB

Connections: NPT, Flanged



SUPPLY GAS REGULATOR

Used to provide gas to the instrument.

Pressure Rating: 4000 psig Control Range: 10 to 250 psig



BACK PRESSURE REGULATOR PACKAGE

Maintains constant pressure upstream of the valve. Uses upstream gas to operate.

Size: 1" to 10"

Pressure Rating: 1": Up to 6000 psig

2": Up to 6170 psig 3" to 10": Up to 1440 psig

Control Range: vacuum to 2500 psig **Temperature Range:** -20° to 450° F

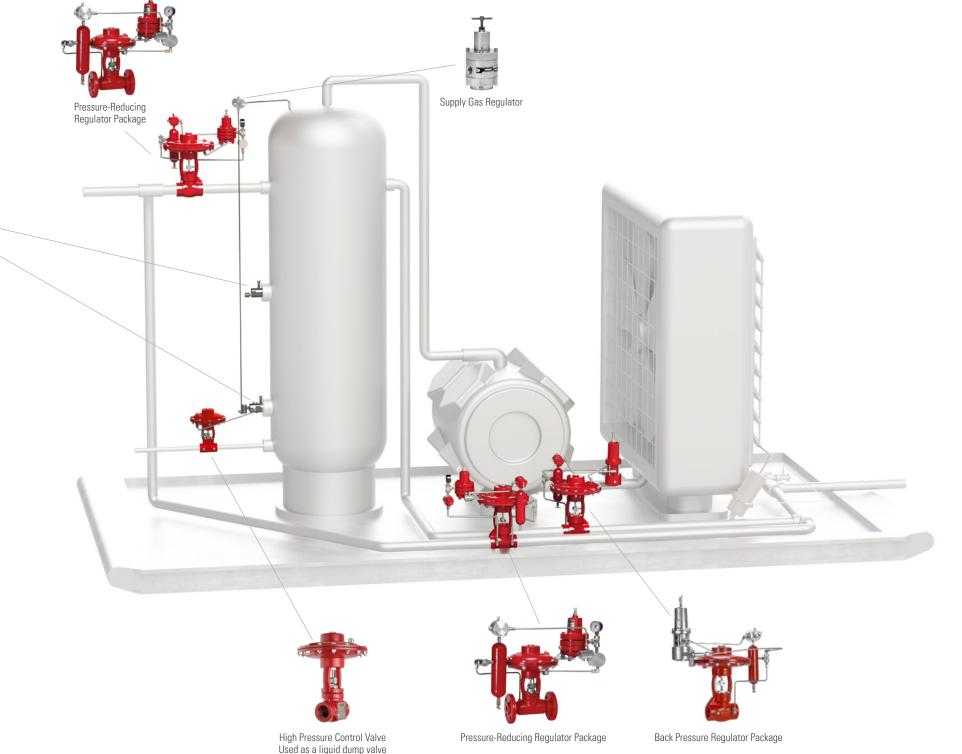
Material: WCB

Connections: NPT, Flanged



has a seal-less design, isolating liquids from the pneumatics.

Pressure Rating: 2000 psig **Temperature Range:** -20° to 450° F Maximum Supply Pressure: 75 psig





COMPRESS

0R

HIGH PRESSURE, PNEUMATIC



BACK PRESSURE REGULATOR

Maintains constant pressure in the vessel. Uses upstream gas to operate.

Size: 1" to 6"

Pressure Rating: 300 psig **Control Range:** 10 to 300 psig **Temperature Range:** -20° to 450° F

Material: Ductile, WCB

Connections: NPT, Flanged, Grooved

Non-Vent Options Available

(Outside Supply Option Available



ADJUSTABLE DOUBLE-**ACTING LOW PRESSURE** CONTROL VALVE

Used as an adjustable burner valve or dump valve in a dehydration application.

Size: 1" and 2"

Pressure Rating: up to 500 psig Control Range: 5 to 250 psig Max. Dlff. Pressure: 40 to 175 psig **Temperature Range:** -20° to 450° F

Material: Ductile

Connections: NPT, Flanged, Grooved



LEVEL CONTROLLER

Pneumatically controls the liquid level within a vessel.

Pressure Rating: 4000 psig Temperature Range: -20° to 450° F Connections: NPT, Flanged, Hammer Union



DOUBLE-ACTING LOW PRESSURE **CONTROL VALVE**

Used as a non-adjustable burner valve or shutdown valve to control the flow of gas to the flame tube.

Size: 1" to 6"

Pressure Rating: 300 psig Control Range: 5 to 50 psig **Temperature Range:** -20° to 450° F

Material: Ductile, WCB

Connections: NPT, Flanged, Grooved



BACK PRESSURE REGULATOR **PACKAGE**

Maintains constant pressure upstream of the valve. Uses upstream gas to operate.

Size: 1" to 10"

Pressure Rating: 1": Up to 6000 psig

2": Up to 6170 psig 3" to 10": Up to 1440 psig

ENERGY EXCHANGE

Pressure Rating: 100 to 2000 psig **Circulation Rate:** 8 to 450 GPH

GLYCOL PUMP

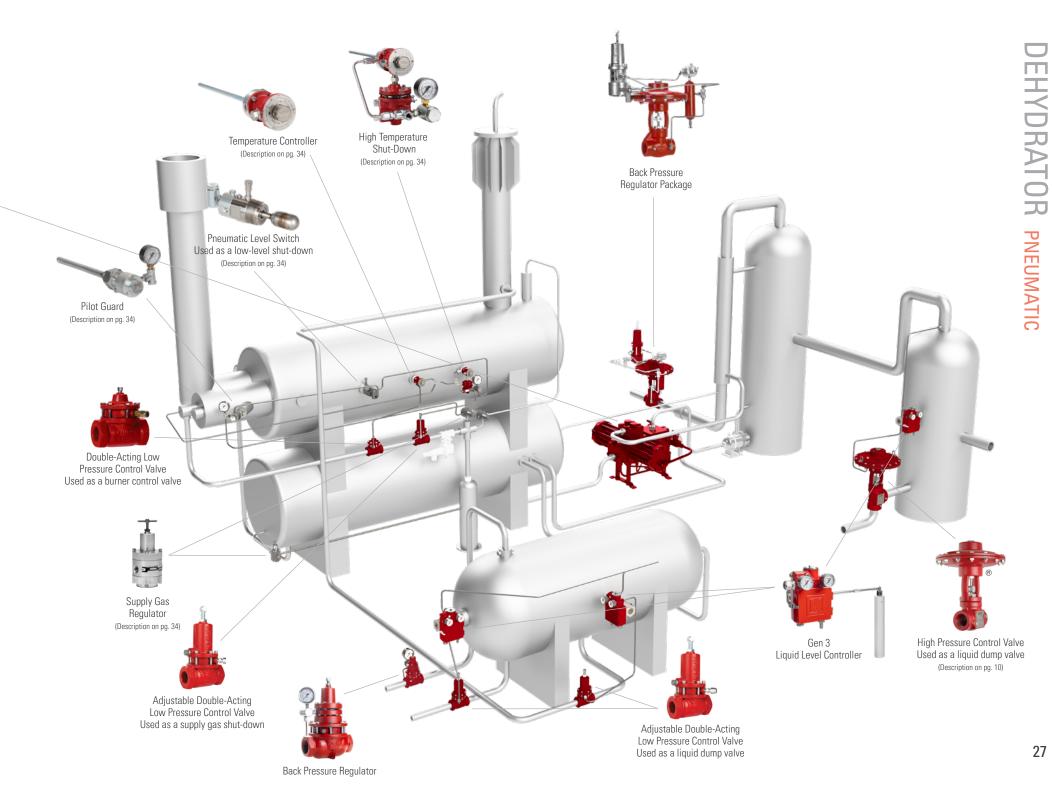
Circulates glycol in the

dehydration system.

Control Range: vacuum to 2500 psig **Temperature Range:** -20° to 450° F

Material: WCB

Connections: NPT, Flanged





E-LO CONTROL VALVE

Provides precise valve regulation for flow

Features: Proof of Closure Indication (NFPA 87), single soft seat, mechanical overdrive to ensure full closure, removable valve seat, modular input accessories, analog (4-20 mA module for proportional control), discrete input module for on/off control, modbus for remote communication available

Material: Ductile, WCB Connections: NPT



R2L ADAPTER SHOWN WITH VALVCON ELECTRIC ACTUATOR

Enables Kimray High Pressure Control Valves to be controlled by common quarter-turn electric actuators. To control level, flow, pressure, temperature of process

Features: Open-yoke design, standard coupling block and mounting hardware to valve, weather-tight, maintenance free design.

Size: 1" and 2"



TRITEX II ELECTRIC ACTUATOR

Combined with a Kimray High Pressure Control Valve provides a precise and reliable method of control.

Voltage: 12-48 VDC

Rating: Class 1, Division 2, groups A, B,C & D Speed: Up to 5"/sec.

Stroke: 3" max



ELECTRIC LEVEL SWITCH

Snap-acting stainless steel electric switch.

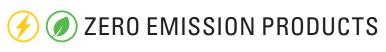
Pressure Rating: 2000 psig **Temperature Range:** -20° to 450° F



Electric Level

Electric Pilot





R2L Adapter shown with Valvcon Actuator

EHYDRATOR

ELECTRIC

Tritex II Electric Actuator



SPRING-LOADED BACK PRESSURE REGULATOR

Controls pressure in the vessel.

Size: 2" and 3"

Pressure Rating: up to 300 psig
Control Range: 0 to 125 psig
Temperature Range: -20° to 450° F
Material: Ductile, WCB
Connections: NPT, Flanged, Grooved



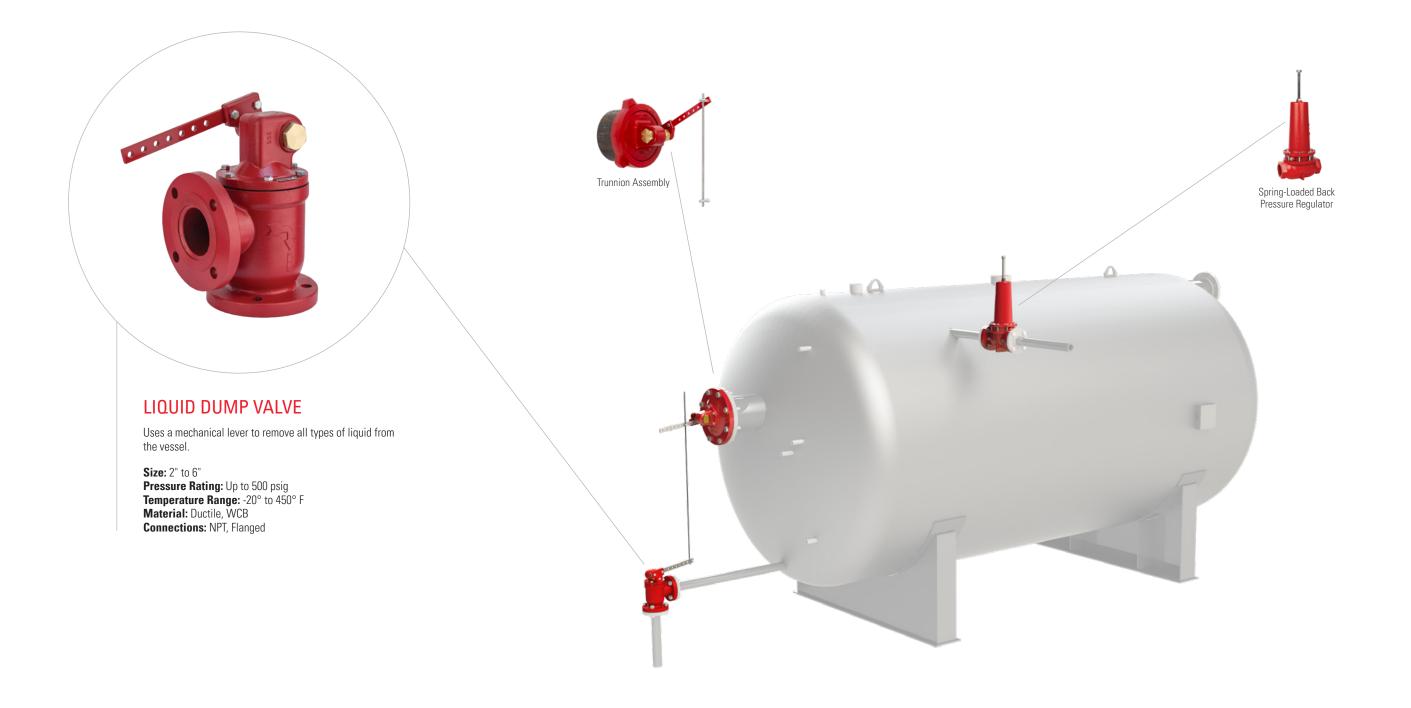
TRUNNION ASSEMBLY

Transfers force to a mechanical valve based on the liquid level.

Size: 6" to 10"

Pressure Rating: 500 psig
Temperature Range: -20° to 450° F
Material: Ductile, WCB

Connections: Hammer Union, Flanged





FREE

WATER KNOCKOUT

MECHANICAL, 2-PHASE



SPRING-LOADED BACK PRESSURE REGULATOR

Controls pressure in the vessel.

Size: 2" and 3"

Pressure Rating: up to 300 psig Control Range: 0 to 125 psig **Temperature Range:** -20° to 450° F

Material: Ductile, WCB Connections: NPT, Flanged, Grooved



HIGH VOLUME VALVE

Designed for highly erosive environments and where large capacity is needed, used as an oil or water valve for separators, meters, and water knockouts where a reduced signal pressure is available.

Pressure Rating: 500 psig

Temperature Range: -20° to 400° F



3 PMB PILOT MOUNTED ON A FLOAT OPERATED TRUNNION COVER

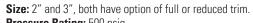
Transfer force to the 3PM pilot which outputs up to 30 psi of supply pressure.

Size: 6" to 10" Pressure Rating: 30 psig Material: Ductile



of a heater treater. Size: 2" to 6"

LOW PRESSURE



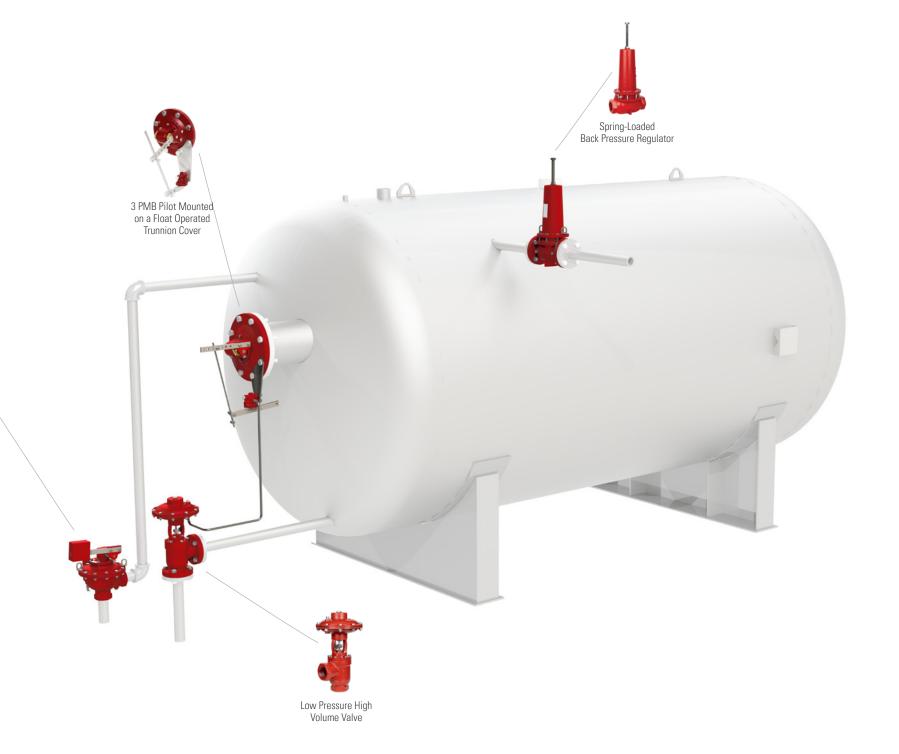
Material: Ductile Connections: NPT, Flanged



Pressure Rating: 125 psig **Temperature Range:** -20° to 450° F

Material: Ductile, WCB Connections: NPT, Flanged

Zero Emissions



FREE

WATER

KNOCKOUT

PNEUMATIC, 2-PHASE

HIGH TEMPERATURE SHUT-DOWN

This safety switch monitors the water bath temperature and can shut down the burner supply.

Pressure Rating: 500 psig, up to 7000 psig with separable socket

Temperature Range: -30° to 750° F Separable Socket: 4000 psig



PNEUMATIC LIQUID LEVEL SWITCH

This snap-acting stainless steel switch has a seal-less design, isolating liquids from the pneumatics.

Pressure Rating: 2000 psig Temperature Range: -20° to 450° F Maximum Supply Pressure: 75 psig

Flectric Options Available



TEMPERATURE CONTROLLER

Monitors the temperature and provides pneumatic output proportional to the temperature.

Pressure Rating: 500 psig, 7000 psig with

separable socket.

Temperature Range: -30° to 750° F Separable Socket: 4000 psig



SUPPLY GAS REGULATOR

Used to provide gas to the instrument.

Pressure Rating: 4000 psig Control Range: 10 to 250 psig



PILOT GUARD

Monitors the pilot flame to the burner tube.

Temperature Range: -30° to 2100° F



DOUBLE-ACTING LOW PRESSURE CONTROL VALVE

Non-adjustable burner valve or shut-down valve that controls the flow of gas to the flame tube.

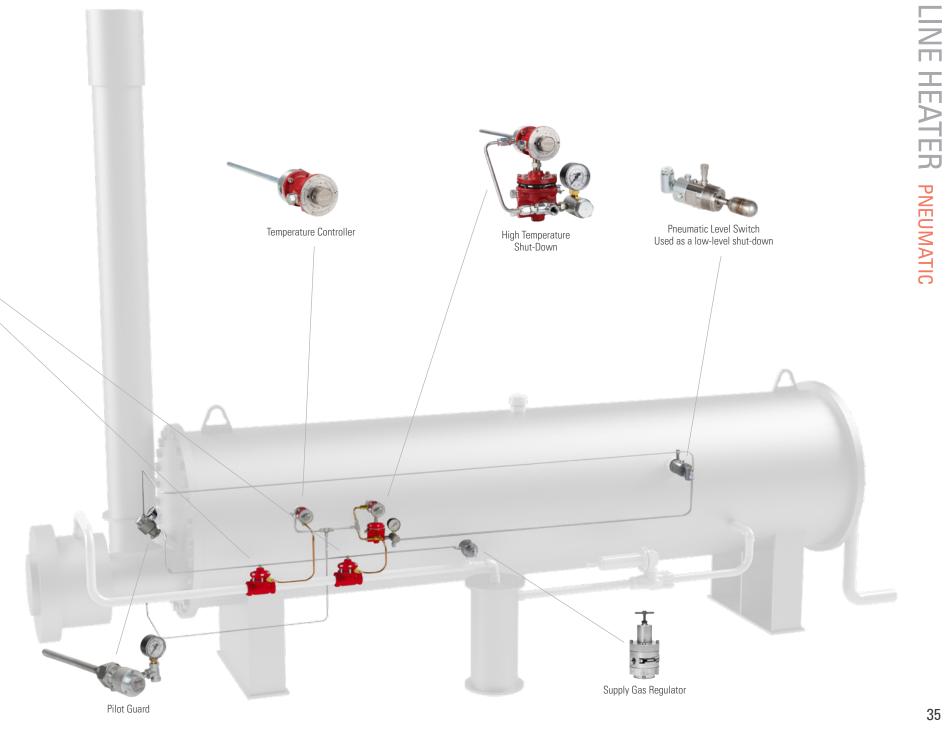
Size: 1" to 6"

Pressure Rating: 300 psig

Control Range: 5 to 50 psig, depending on springs

Temperature Range: -20° to 450° F Material: Ductile, WCB

Connections: NPT, Flanged, Grooved



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TOPWORKS USED WITH PLUNGER CATCHER

1" topworks used with a third-party plunger catcher.

Pressure Rating: Up to 45 psig



MINI SCRUBBER

Extracts instrument-quality gas from a wet gas line while the moisture stays in the line.

Length: 22" Connections: NPT



SUPPLY GAS REGULATOR

Used to provide gas to the instrument.

Pressure Rating: 4000 psig Control Range: 10 to 250 psig



T-BODY HIGH PRESSURE CONTROL VALVE

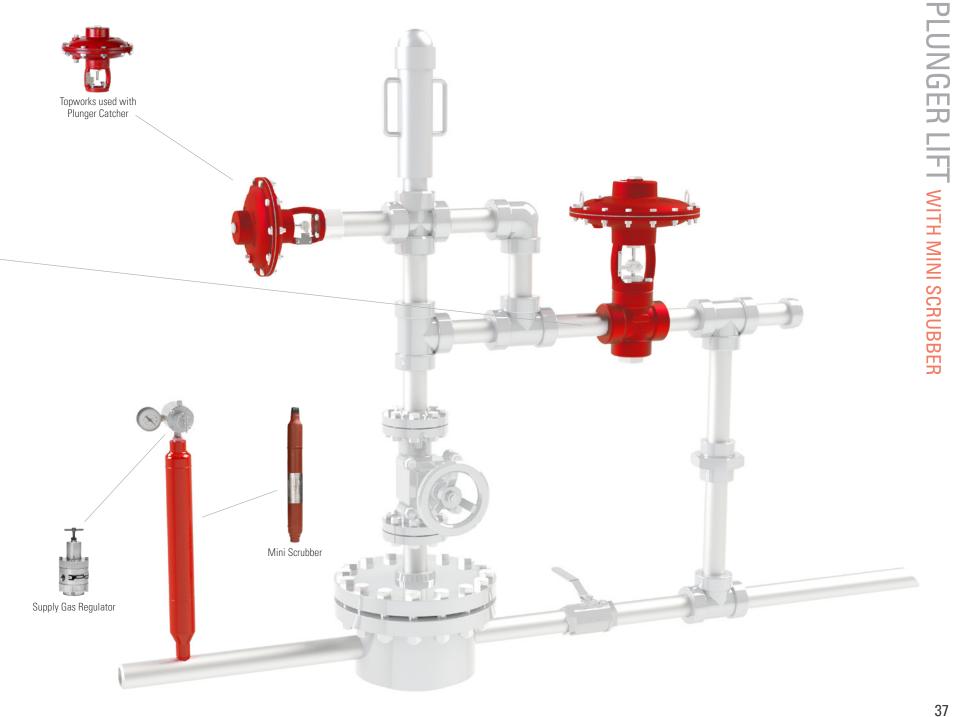
Used as a snap liquid dump valve or a throttle liquid control valve in erosive applications.

Size: 2"

Pressure Rating: Up to 6000 psig Temperature Range: -15° to 450° F Material: WCB

Connections: NPT, Flanged

Note: Standard HPCV available with multiple end-connection options





R2L VALVCON PACKAGE USED WITH PLUNGER CATCHER

R2L adapter shown with Valvcon electric actuator used with a third-party plunger catcher



ELECTRIC PILOT (OPTION)

Gap Controller for Intermittent Wells - The Gap Controller setting in the YEP Electric Pilot can be used to provide accurate control to Kimray's HPCV.

Features: PID for direct or indirect control, PID auto-tune, ON-OFF control for shutdown applications, low power, Class

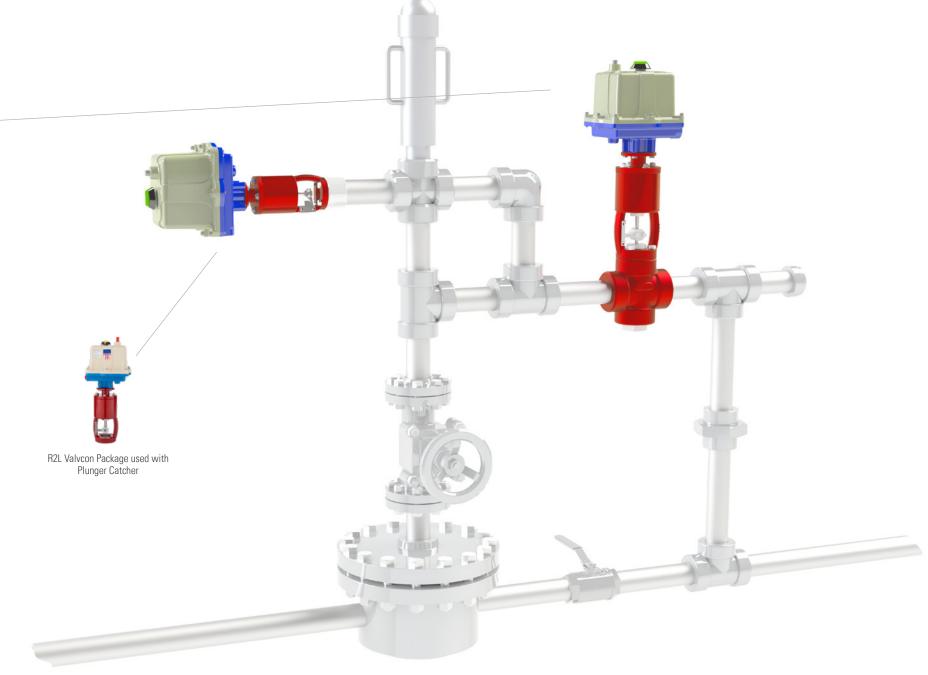
I, Div. 1 explosion-proof rating, discrete I/O
Input voltage: 10-30 VDC
Communication: MODBUS RS-485 Analog input: 4-20mA from sensor Analog output: 4-20mA to valve actuator



R2L ADAPTER SHOWN WITH VALVCON ELECTRIC ACTUATOR

Enables Kimray High Pressure Control Valves to be controlled by common quarter-turn electric actuators. To control level, flow, pressure, temperature of process fluid.

Features: Open-yoke design, standard coupling block and mounting hardware to valve, weather-tight, maintenance free design Size: 1" and 2"







T-BODY HIGH PRESSURE CONTROL VALVE

Used to regulate flow.

Size: 2"

Pressure Rating: Up to 6000 psig Temperature Range: -15° to 450° F Material: WCB

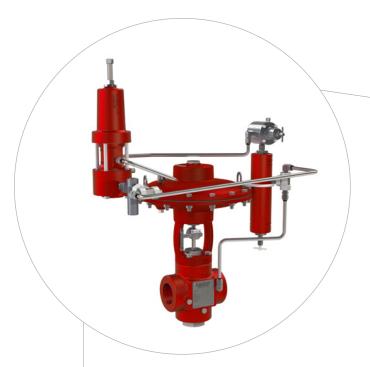
Connections: NPT, Flanged



TOPWORKS USED WITH PLUNGER CATCHER

1" topworks used with a third-party plunger catcher.

Pressure Rating: Up to 45 psig



T-BODY HIGH PRESSURE CONTROL VALVE PACKAGE

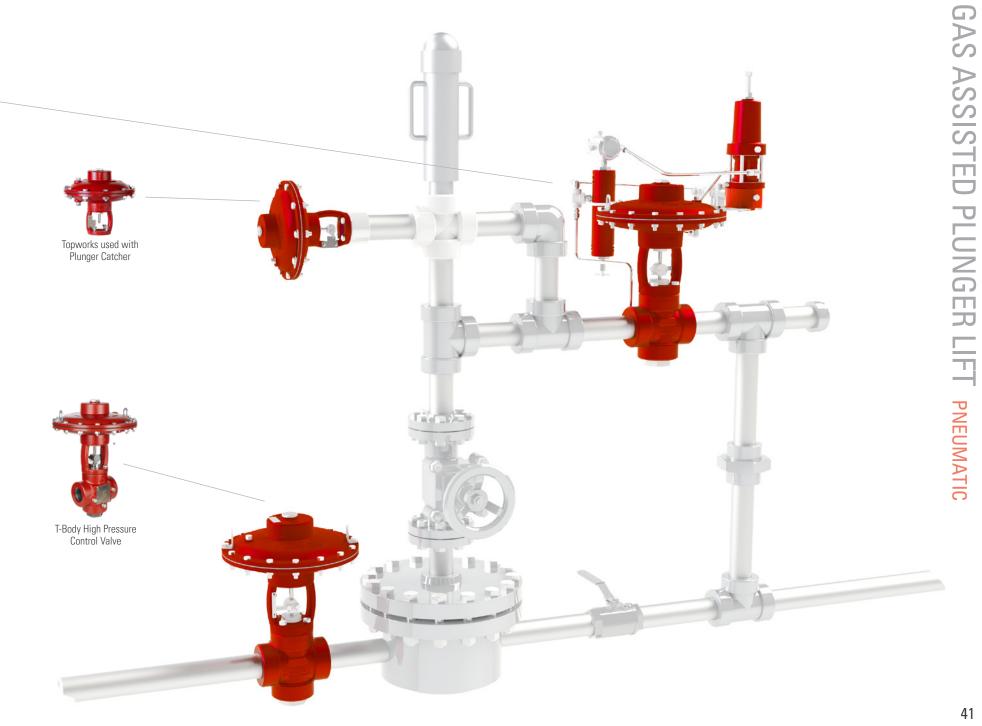
Used to regulate pressure.

Size: 2

Pressure Rating: Up to 6000 psig Temperature Range: -20° to 450° F Material: WCB

Connections: NPT, Flanged

Note: Standard HPCV available with multiple end-connection options





ELECTRIC PILOT

Provides precise valve regulation for flow control.

Features: PID for direct or indirect control, PID auto-tune, ON-OFF control for shutdown applications, low power, Class I, Div. 1 explosion-proof rating, discrete I/O

Input voltage: 10-30 VDC
Communication: MODBUS RS-485 Analog input: 4-20mA from sensor Analog output: 4-20mA to valve actuator



R2L VALVCON PACKAGE USED WITH PLUNGER CATCHER

R2L adapter shown with Valvcon electric actuator used with a third-party plunger catcher



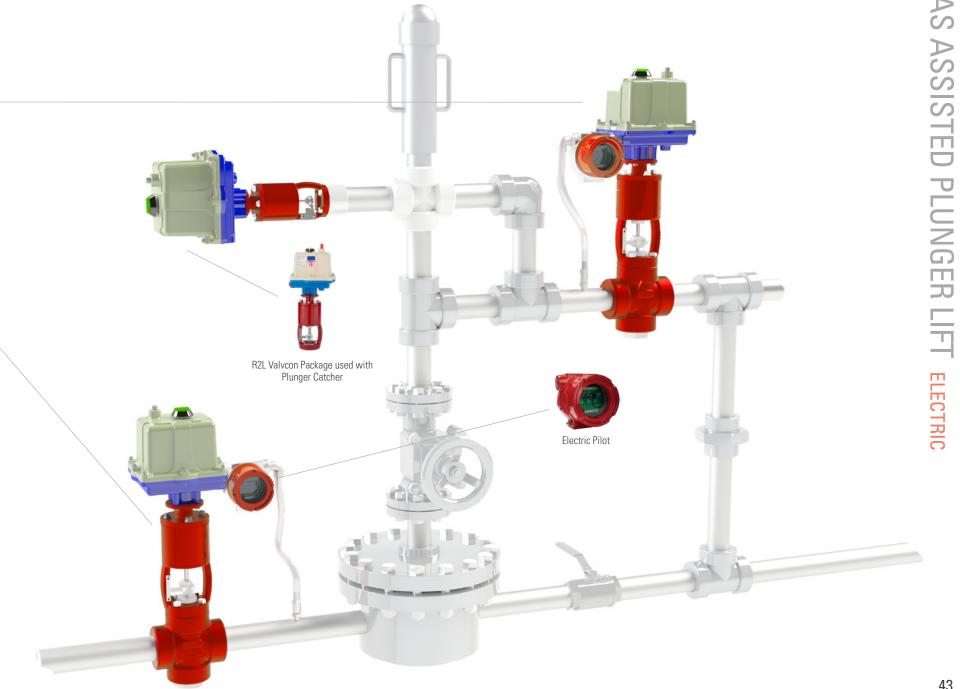
VALVCON ELECTRIC ACTUATOR

Enables Kimray High Pressure Control Valves to be controlled by common quarter-turn electric actuators. To control level, flow, pressure, temperature of process fluid.

Features: Open-yoke design, standard coupling block and mounting hardware to valve, weather-tight, maintenance free

Size: 1" and 2"

Note: Standard HPCV available with multiple end-connection options





DOUBLE-ACTING LOW PRESSURE CONTROL VALVE

Non-adjustable burner valve or shutdown valve that controls the flow of gas to the flame tube.

Size: 1" to 6"

Pressure Rating: 300 psig Control Range: 5 to 50 psig Temperature Range: -20° to 450° F

Material: Ductile, WCB Connections: NPT, Flanged, Grooved



Pneumatically controls the liquid level within a vessel.

Pressure Rating: 4000 psig
Temperature Range: -20° to 450° F
Connections: NPT, Flanged, Hammer Union



TEMPERATURE CONTROLLER

Monitors the temperature and provides pneumatic output proportional to the temperature.

Pressure Rating: 500 psig, 7000 psig with separable socket.

Temperature Range: -30° to 750° F Separable Socket: 4000 psig



PNEUMATIC LIQUID LEVEL SWITCH

This snap-acting stainless steel switch has a seal-less design, isolating liquids from the pneumatics.

Pressure Rating: 2000 psig Temperature Range: -20° to 450° F Maximum Supply Pressure: 75 psig

Flectric Options Available



SUPPLY GAS REGULATOR

Used to provide gas to the instrument.

Pressure Rating: 4000 psig Control Range: 10 to 250 psig



T-BODY HIGH PRESSURE CONTROL VALVE

Used as a snap liquid dump valve or a throttle liquid control valve in erosive applications.

Size: 2"

Pressure Rating: Up to 6000 psig Temperature Range: -15° to 450° F

Material: WCB

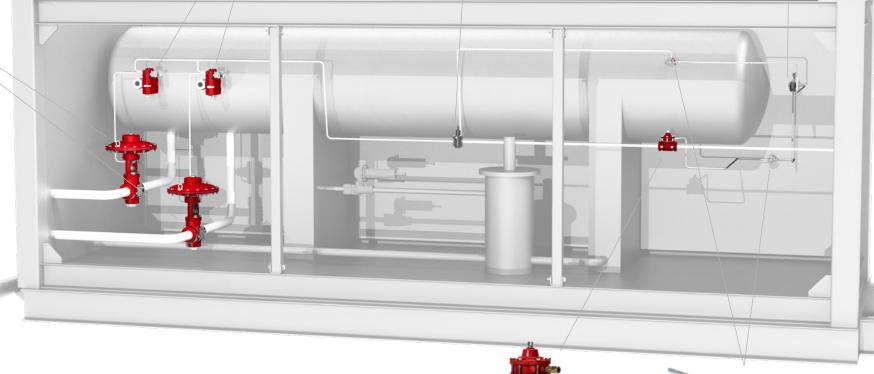
Connections: NPT, Flanged







level shut-down



Double-Acting Low Pressure Control Valve, used as a burner control valve



Temperature Controller

45



ELECTRIC PILOT

Provides precise valve regulation for flow control.

Features: PID for direct or indirect control, PID auto-tune, ON-OFF control for shutdown applications, low power, Class I, Div. 1 explosion-proof rating, discrete I/O Input voltage: 10-30 VDC Communication: MODBUS RS-485
Analog input: 4-20mA from sensor

Analog output: 4-20mA to valve actuator



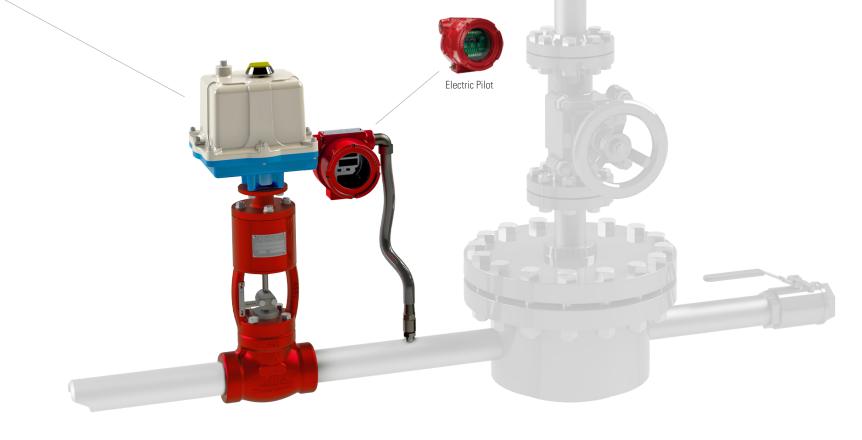
R2L ADAPTER SHOWN WITH VALVCON ELECTRIC ACTUATOR

Enables Kimray High Pressure Control Valves to be controlled by common quarter-turn electric actuators. To control level, flow, pressure, temperature of process fluid.

Features: Open-yoke design, standard coupling block and mounting hardware to valve, weather-tight, maintenance free

Size: 1" and 2"

Note: Standard HPCV available with multiple end-connection options





LOW PRESSURE BACK PRESSURE REGULATOR

Control pressure upstream of your production vessel/tank and feature lower set point options than the standard Back Pressure Regulator.

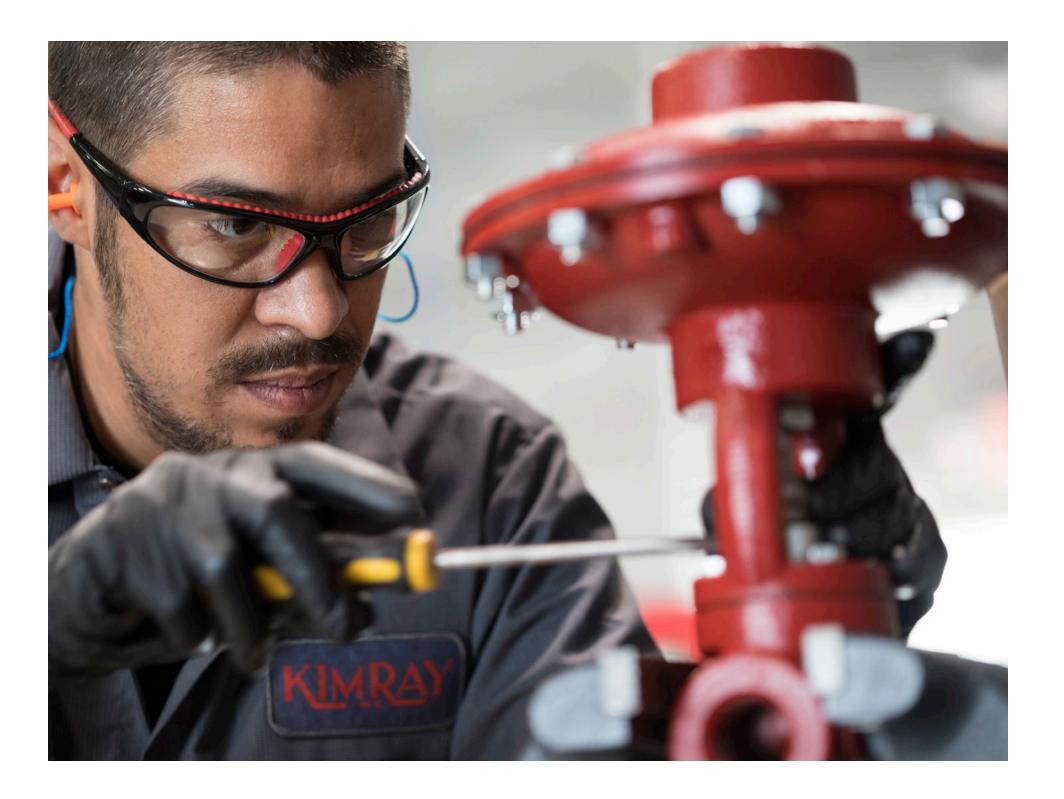
Size: 1" to 6"

Pressure Rating: Up to 300 psig Control Range: 0.5 oz to 20 psig Temperature Range: -20° to 450° F

Material: Ductile, WCB

Connections: NPT, Flanged, Grooved





KIMRAY CUSTOMER PROMISE

"We promise to partner with you, to anticipate your needs, and to provide timely solutions that exceed your expectations."

We can make this promise because of our Extreme Customer Service philosophy.

Extreme Customer Service is not only meeting our customers' needs but anticipating them to the best of our ability and going a step beyond. It is serving our customers with their best interests in mind. This is not only the way we treat external customers, but also the way we treat each other—our internal customers.

Extreme Customer Service is described in Philippians 2:3-4: "Do nothing from selfish ambition or conceit, but in humility count others more significant than yourselves. Let each of you look not only to his own interests, but also to the interests of others."

This leads to three basic principles we strive to follow here at Kimray when dealing with other team members, distributors, and customers.

- 1. Do the right thing for the right reason: "Do nothing from selfish ambition or conceit..."
- 2. Encourage a culture of empowered people: "...but in humility count others as more significant than yourselves."
- 3. Put others first: "Let each of you look not only to his own interests, but also to the interests of others."

