

R2L VALVE PACKAGE



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INTRODUCTION

The R2L Adapter enables Kimray HPCV to be controlled by quarter-turn electric actuators, commonly used in the industry. This solution is a durable, simple and effective way to maintain control within an automated production site.

KEY DESIGN FEATURES

- Allows the use of any (common) quarter-turn electric actuator with the Kimray HPCV
- Utilizes common Kimray actuator hardware and installs easily
- Designed to retrofit existing valves
- Over-travel loading ensures tight closure throughout the life of the valve as the seat wears
- Low backlash ensures tight control
- Sealed roller bearings provide smooth operation
- Weather-tight assembly
- Highly efficient transfer of energy - higher than lead screw or ball screw
- Maintenance-free

APPLICATIONS

- Pressure Control
- Dump Valve
- Safety Shut Down
- Flow Control



HOW IT WORKS

The Kimray R2L Adapter translates rotary motion into linear motion. As an extra feature, this product is designed with a series of springs with a live loaded stem in order to compensate for seat wear. The Kimray R2L Adapter allows any ISO-5211 rotary actuator to be coupled with an industry standard Kimray High Pressure Control Valve.

DURABLE, EFFECTIVE, AND EMISSIONS FREE

The new Kimray R2L Valve Package provides everything you need for automated production control.

The package includes:

- **Valvcon Electric Actuator** - a reliable, zero-emission actuator that is easy to install and requires no ongoing maintenance. Utilizing an internal heater and battery backup, the Valvcon Actuator is designed to supply years of trouble free actuation.
- **R2L Adapter** - the Kimray R2L Adapter couples with the Valvcon to provide precise, automated valve control.
- **Kimray High Pressure Control Valve Bottom Works** - your choice of any threaded 2 inch ball and cone style control valve. Other connections are available.

SPECIFICATIONS

ISO-5211 Size	1-inch F05, 2-inch F07
Rotary Shaft	14 mm square
Size	1-inch & 2-inch HPCV
Input torque	600 in-lb max
Output Thrust	1200 lbf max
Temperature Range	-40° to 450°F

AVAILABLE TRIM SIZES

Trim Type	Trim Size in. (mm)
Nominal	1/4" (6.35)
	3/8" (9.52)
	1/2" (12.7)
	3/4" (19.0)
	1" (25.4)
Equal Percentage	1/4" (6.35)
	7/16" (11.1)
	5/8" (15.8)
	7/8" (22.2)
	1.5" (38.1)
	2" (50.8)



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.

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