

# GEN II



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## INTRODUCTION

The Gen II operates any diaphragm control valve requiring no more than 30 psig diaphragm pressure. Simple to install, easy to adjust and straightforward to use, Kimray designers took the time to create the Gen II to be vibration resistant and to operate in severe environments. Available in both back mount and side mount options, the side mount can be configured as either right or left handed and is available in varying arm lengths. It is easily changed in the field by unscrewing just four outside screws. The Gen II case is designed so that supply gas never vents within the box, providing safer operation.

## OPERATING PRINCIPLE

It operates with a displacer within the vessel attached to the Gen II through a waggle arm. As the liquid within the vessel reaches the high set point, the waggle arm activates a gas pilot, sending a signal to the control valve.

When used to monitor liquid interface the differential specific gravities of the fluids should be a minimum of .20 with the standard displacer. If the fluid's have a differential specific gravity between .10 and .20, other displacers may be used.

The Gen II is easy to use — just three simple steps. First, decide if you need throttle or snap acting and turn the knob to the T or S. Next, by putting the pin in the arm hole, you can choose the span of movement and direct or indirect output. The final adjustment is to turn the adjustment knob to change the height of the float: left to lower and right to raise. It's that simple.



## BENEFITS

- Newly designed press fit assembly eliminates over-tightening preventing leaks
- Compact design for tight installations
- Improved pivot point provides increased accuracy and predictable pressure sensitivity
- Low friction waggle arm available with a variety of arm lengths and float options
- Change in the diaphragm allows movement of the entire stem creating constant measuring
- Intermittent acting pilot exceeds EPA regulations
- Conditional NACE MR0175 Wetted Parts



## SPECIFICATIONS

Control Range	Up to 4000 psig
Temperature	-40°-300°F
Supply Pressure	5-30 psig
Minimum Specific Gravity	0.2 (measured in water) but can go down to 0.1 using other displacers
Output	Single adjustment to go from direct to indirect

# WHO WE ARE

Kimray designs and manufactures oil and gas control products. Based on more than 65 years of pioneering product development, we provide products and services that are reliable, smart and inventive. We generate meaningful solutions by staying curious and engaging in customers' needs. Our product ideas are fueled by a deep desire to make a difference that is both personal and unique to the customer.

We have made it our life's work to provide products and services that are positively impactful. Through the years, this pursuit has built strong relationships. Our customers have known that 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.

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