

**RVP Series**

# Purged Rotary Valves



AFP's Purged Rotary Valves for Gas Chromatography systems feature a patented real internal purged rotor design. This feature eliminates the need for an external purged housing or the use of multiple o-ring seals, which tend to wear due to friction under normal operation of the valve, increasing the potential risk of atmospheric contamination. This makes the Purged Rotary Valve ideal for highly sensitive applications.

## RVP Advantages

- ✓ Does not require external purge box or purge housing
- ✓ Real internal purge removes the need for external o-rings which prevents inboard/outboard contamination
- ✓ All RVP valves are leak tested and the performance of the purging groove is tested at no additional charge

## Innovative Design

The Purged Rotary Valves were developed and tested so users can be confident in the results they achieve. The patented design of the AFP's Purged Rotary Valve, including guiding pins and double stoppers, prevents inboard / outboard contamination and allows for ppb and trace detection limits. In addition, all AFP Purged Valves are tested for leaks at no additional charge prior to shipment.

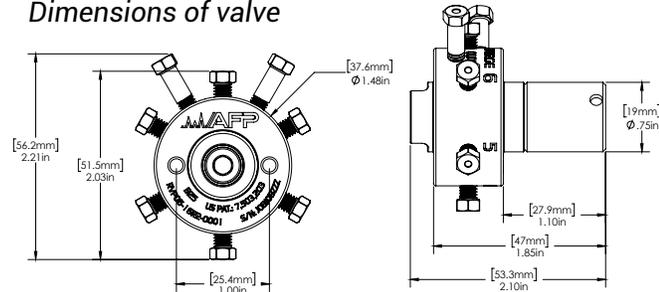
## Lower Total Cost of Ownership

AFP's Purged Rotary Valves are designed with lower total ownership cost in mind. No external purge box is required, which simplifies the design and creates a smaller footprint. No external o-rings are used in the valve, which removes failure points. The Purged Rotary Valves are developed to be compatible with AFP's standoffs and actuators, which allows for an easy upgrade for current systems.

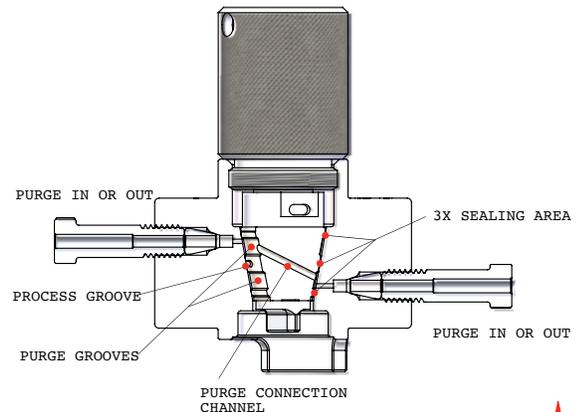
## RVP Features

- ✓ 6 or 10 port
- ✓ Certified up to 225°C
- ✓ Certified up to 325 psi gas
- ✓ Compatible with AFP actuators and accessories
- ✓ The purged rotary valve can be offered with inert coatings (Dursan®)

### Dimensions of valve



### Cross-Section of the Purge



## RVP Purged Rotary Valves and Replacement Parts Table

PRODUCT DESCRIPTION	AFP SKU	COMPETITOR SKU
Internally Purged Sampling Valve 6 ports   225°C   325 psi	RVP06-16R2-0001-00	DC6UWEPI
Internally Purged Sampling Valve 10 ports   225°C   325 psi	RVP10-16R2-0001-00	DC10UWEPI
Internally Purged Sampling Valve 6 ports   225°C   325 psi <i>Assembled on a pneumatic actuator with a 4" standoff</i>	RVP06-16R2-0001-4P	A4C6UWEPI
Internally Purged Sampling Valve 10 ports   225°C   325 psi <i>Assembled on a pneumatic actuator with a 4" standoff</i>	RVP10-16R2-0001-4P	A4C10UWEPI
Internally Purged Sampling Valve 6 ports   225°C   325 psi <i>Assembled on a electronic actuator with a 4" standoff</i>	RVP06-16R2-0001-4I	EUDA-4C6UWEPI
Internally Purged Sampling Valve 10 ports   225°C   325 psi <i>Assembled on a electronic actuator with a 4" standoff</i>	RVP10-16R2-0001-4I	EUDA-4C10UWEPI

