

GAS CHROMATOGRAPHY

HIGH TEMPERATURE SAMPLING & SWITCHING ROTARY VALVES



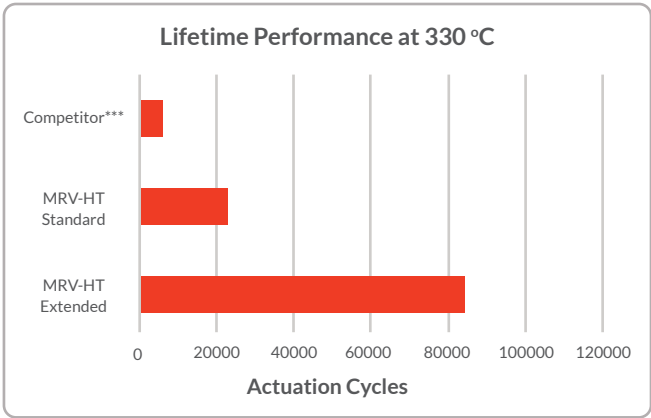
**High-Temperature Performance.
Extended Valve Life.**

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MAFP
Schivo Group

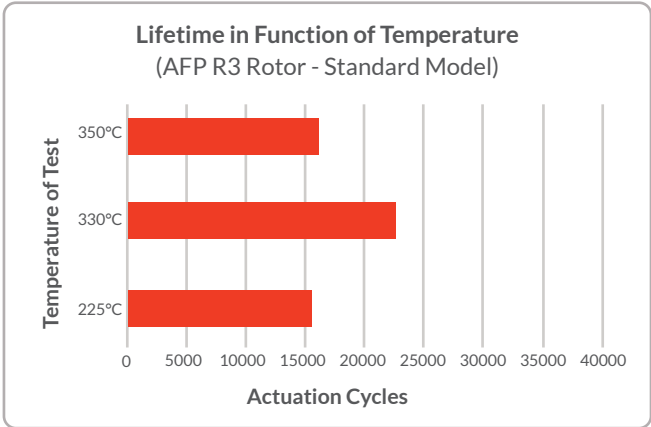
Increased Productivity for Gas Analysis

The ideal temperature for the MRV-HT valve in terms of lifetime value is 330°C, but the MRV-HT can perform at higher temperatures of up to 350°C with only a 15% reduction of service in the lifetime tests. In a comparative study of AFP’s MRV-HT with a similar high-temperature valve currently on the market, the R3 rotor achieves almost four times more actuation cycles than its competitor at the maximal continuous operation temperature that the competitor’s valve can withstand (330°C). With the addition of the Extended MRV-HT model, the lifetime of the high temperature valves is further pushed to another level. This new model is capable to achieve more than 10 times what the common high temperature valves can do.



Lower Total Cost of Ownership

The R3 rotor’s material was selected by AFP to allow end users to turn off the oven and resume their analytical analyses without compromising performance. The MRV-HT’s hexagonal preload design improves access to the rotor, speeds up the maintenance process, and reduces instrument downtime.



Extensive cycling at temperatures below 225°C are not advantageous for the MRV-HT rotor, as its performance does not compare to the medium temperature rotor (AFP-R2).

AFP recommends the usage of the MRV-HT valve at applications with temperatures higher than 225°C to obtain its full benefit.

MRV-HT High Temperature Rotary Valves and Replacement

Product Description	Specifications	AFP SKU	Competitor SKU
High Temperature Rotary Valve	6 Ports 350°C Nitronic 60 325 PSI Assembled On A Pneumatic Actuator With A 4" Standoff	MRV06-16R3-0001-4P	A4C6UWT
High Temperature Rotary Valve	6 Ports 350°C Nitronic 60 325 PSI Assembled On An Electronic Actuator With A 4"Standoff	MRV06-16R3-0001-4I	EUD-4C6UWT
High Temperature Rotary Valve	6 Ports 350°C Nitronic 60 325 PSI	MRV06-16R3-0001-00	DC6UWT
High Temperature Replacement Rotor	6 Ports	MRV-ROT06-R3	SSAC6UWT
High Temperature Rotary Valve	10 Ports 350°C Nitronic 60 325 PSI Assembled On A Pneumatic Actuator With A 4 " Standoff	MRV10-16R3-0001-4P	A4C10UWT
High Temperature Rotary Valve	10 Ports 350°C Nitronic 60 325 PSI Assembled On An Electronic Actuator With A 4" Standoff	MRV10-16R3-0001-4I	EUD-4C10UWT
High Temperature Rotary Valve	10 Ports 350°C Nitronic 60 325 PSI	MRV10-16R3-0001-00	DC10UWT
High Temperature Replacement Rotor	10 Ports	MRV-ROT10-R3	SSAC10UWT
High Temperature Rotary Valve, Extended version	6 Ports 350°C Nitronic 60 325 PSI	MRV06-16R3-0002-00	N/A
High Temperature Rotary Valve, Extended version	10 Ports 350°C Nitronic 60 325 PSI	MRV10-16R3-0002-00	N/A



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