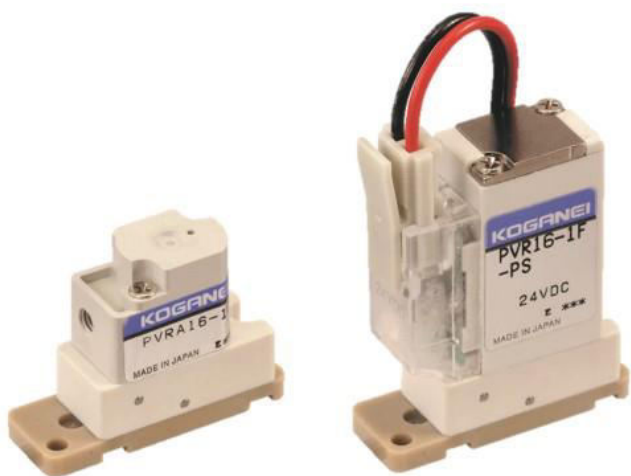


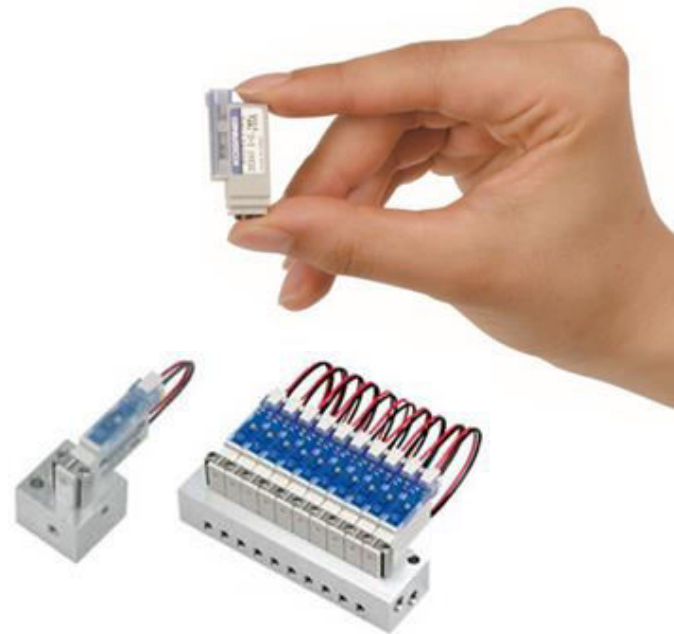


# LIFE SCIENCE SOLUTIONS

**Low Dead Volume Rocker Valve**



**World's Smallest Valve**



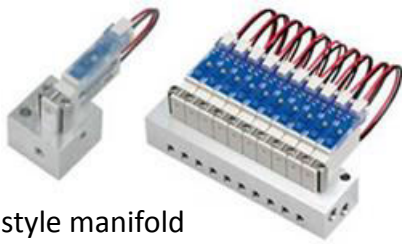
**Low Hysteresis Proportional Valve**



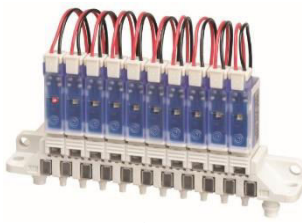
# "005" SERIES

## THE WORLD'S SMALLEST DIRECT ACTING VALVE

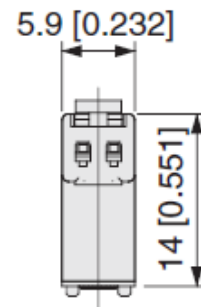
As of December 2014



"A" style manifold



"B" style manifold



Number of position / ports		2 positions / 3 ports
Valve function: Direct Acting		NC (normally closed)
Number of ports		3
Width		5.9mm
Weight		4.5 grams
Operating pressure range		0 to 102 psi
Power consumption		0.5watt @ 102 psig
Flow rate	Sonic conductance	0.02 C dm <sup>3</sup> /(s·bar)
	Effective area	0.1 mm <sup>2</sup> (CV: 0.006)

# "PVR" SERIES

## THE LOW "DEAD VOLUME" VALVE SERIES AVAILABLE



Side piping



Solenoid valve



Air-operated valve



Bottom piping

Type of valve operation	Solenoid valve (Direct operation type) / Air operated valve
Number of position / ports	2 positions / 2, 3 ports
Port size and location options	Bottom piping: M6x1 & ¼-28UNF Side piping: M6x1 & ¼-28UNF
Direct Acting & Air pilot	NC (normally closed)
Coil voltage options (direct acting type only)	DC (12V & 24V)
Body material	PEEK
Seal material options	EPDM, FKM, Kalrez
Operating pressure	-11 to 29 psi
Dead space volume	35 µℓ
Orifice diameter	1.6 mm

# "KFPV" SERIES

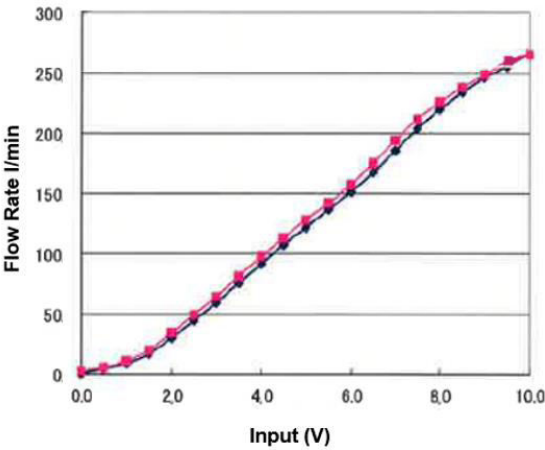
## THE LOW HYSTERESIS PROPORTIONAL VALVE SERIES



\*Larger size available  
(Up to 2.7 CV)



Controller



Number of position / ports	2 positions / 2 ports
Direct Acting	NC (Normally Closed)
Media	Air, gas, liquids (Please check with factory for compatibility)
Seal material	FKM
Body material	Brass or Stainless steel
Mounting direction	Any
Port size	Rc 1/4 (Request W special for different ports requirements)
Flow rate	Up to 0.31 CV (effective area: 5.7mm <sup>2</sup> )
Coil protection	IP65

## OTHER POPULAR PRODUCTS



Compact solenoid valves "010" SERIES  
\* For compressed air, inert gases and vacuum



Regulator  
Stainless type: "RS" SERIES  
Compact type "RN/RDN" SERIES  
Manifold type "MRN" SERIES



Compact filter  
Compact type "FN/VFN" SERIES  
Filter/Regulator "FRN" SERIES



Tube dryer  
"FDH" SERIES



Inline filter  
"PLF", "CLF" SERIES



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*Since 1933, our focus has always been on clean technology. Our line of products along with our exclusive network of stocking distributors improve end user products and their manufacturing processes more than any other supplier in the world.*

*Based in Fremont California, we proudly serve North America, Canada, Mexico and South America.*

## ISO Certification and RoHS compliance

ISO9001  
ISO14001  
ROHS Directive



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