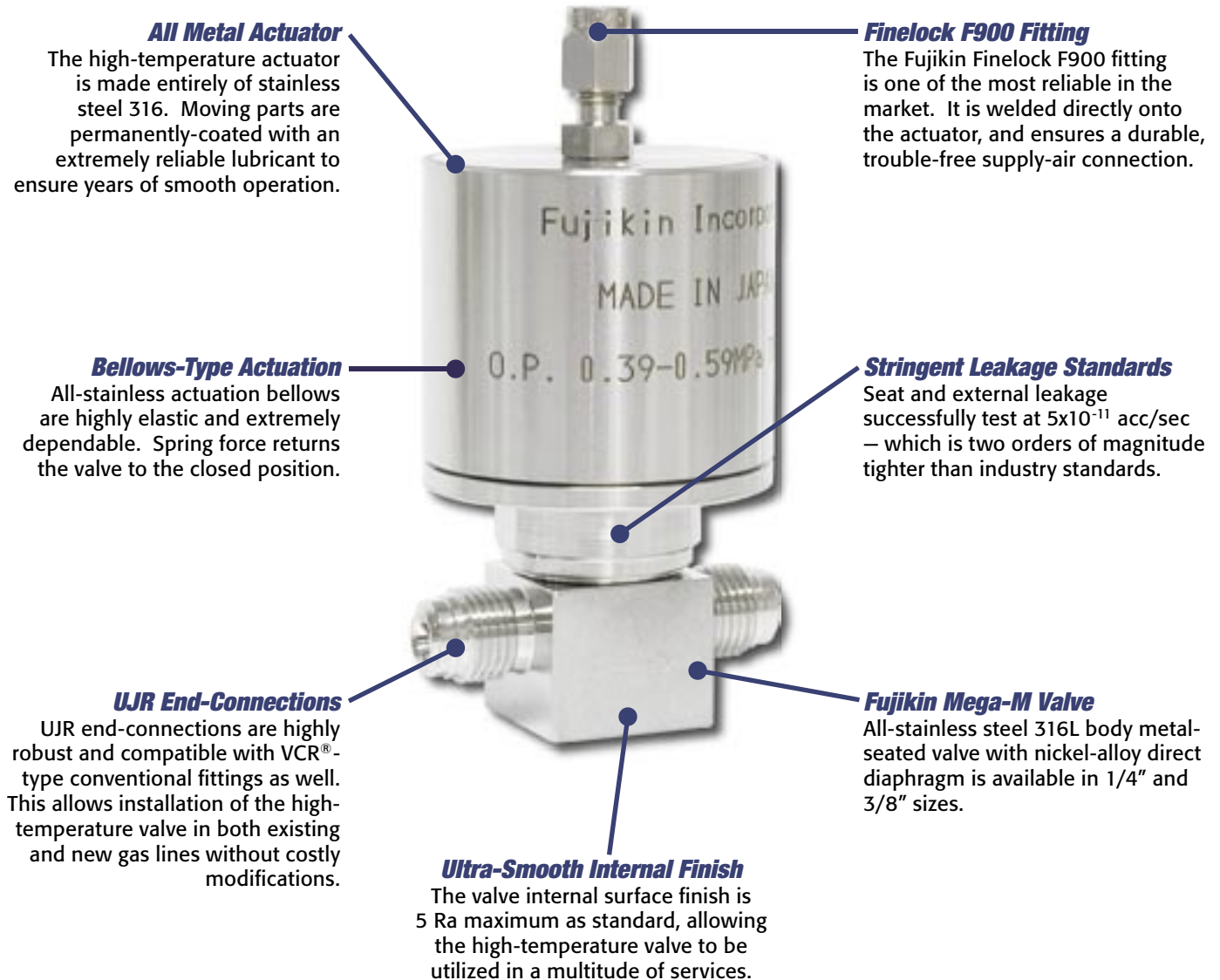


# High-Temperature Valve

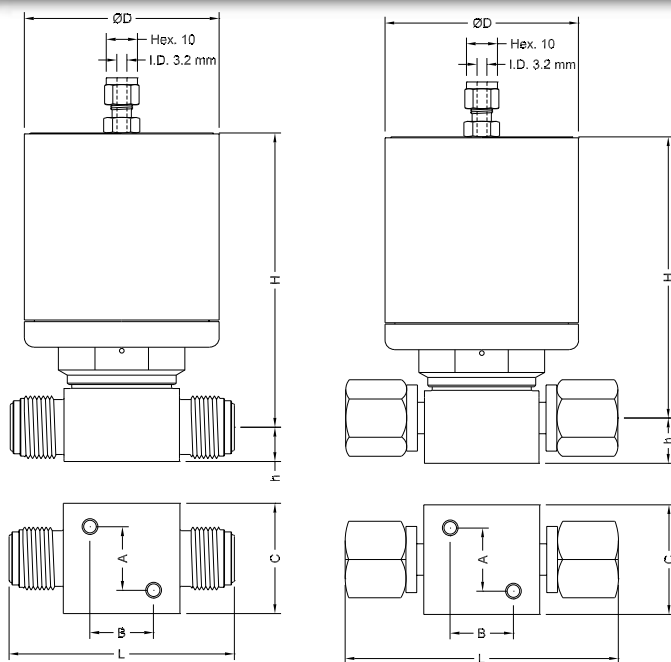
Pioneering the advancement of high-temperature fluid control:  
Fujikin's all-metal actuator and diaphragm valve for 300°C service.



## Specifications and Technical Data

<b>Operating Temperature</b>	-10°C ~ 300°C	14°F ~ 572°F
<b>Pressure Rating</b>	1 MPa	145 psi
<b>Design Pressure</b>	1 MPa	145 psi
<b>External Leakage</b>	5x10 <sup>-10</sup> Pa·m <sup>3</sup> /sec	5x10 <sup>-9</sup> acc/sec (100% sample testing)
<b>Seat Leakage</b>	5x10 <sup>-10</sup> Pa·m <sup>3</sup> /sec	5x10 <sup>-9</sup> acc/sec (100% sample testing)
<b>Actuation Pressure</b>	0.39 ~ 0.59 MPa	56 ~ 85 psi
<b>Surface Roughness</b>	0.7 µm max	5 Ra max
<b>Particles</b>	Less than 0.1 particles per cycle, 0.1 µm particle size	
<b>Ion Contaminants</b>	10 ng/cm <sup>2</sup> max for NO <sub>3</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> , Na <sup>+</sup> , K <sup>+</sup>	
<b>Available Sizes</b>	1/4" (Cv-0.25) and 3/8", 1/2" (Cv-0.7)	
<b>Connection</b>	UJR-type metal gasket fittings	
<b>Body</b>	SS 316L double-melt	
<b>Diaphragm</b>	Nickel-cobalt alloy	
<b>Stem</b>	SS 316	
<b>Bonnet</b>	SS 316	
<b>Actuator</b>	SS 316	

## Dimensional Information



**FWBR-71-6.35**  
**FWBR-71-9.52**

**FWBR-71-6.35-2**  
**FWBR-71-9.52-2**

Model Number	L	h	H	ØD	A	B	C
FWBR-71-6.35	57	14.3	69.5	52	18	18	26
FWBR-71-9.52	76.2	11.1	94.3	62	20.2	20.2	35
FWBR-71-6.35-2	70.6	14.3	53.0	40	18	18	26
FWBR-71-9.52-2	83	12.7	60.8	40	20.2	20.2	35

All dimensions in millimeters

# Fujikin

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