

NEW

CAT:No.700-05E-B

FINE series PURE

High-temperature Valve series

KIWAMI

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The Height of
Excellence



FWBR-71-6.35



FWBR-71-9.52

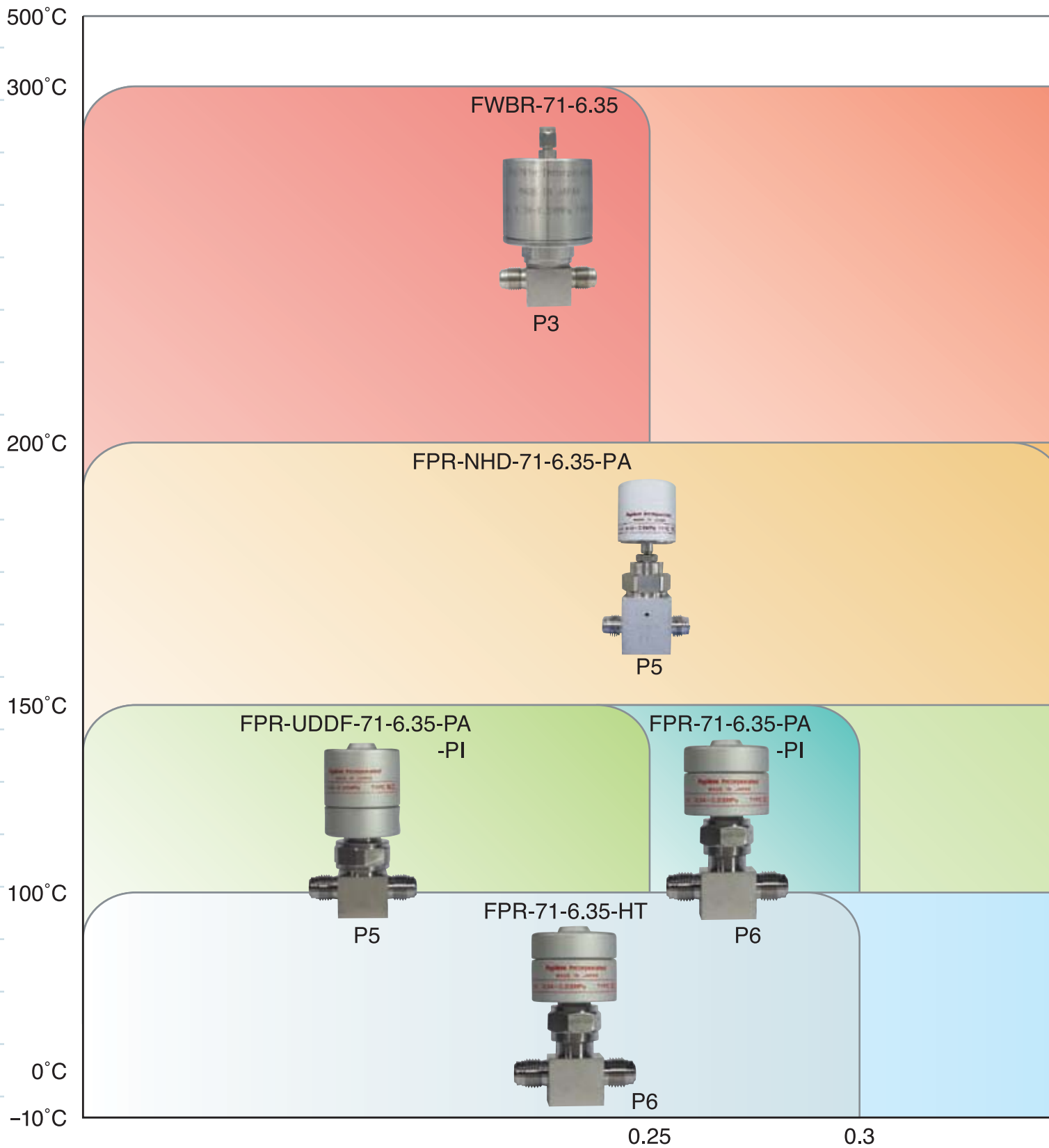



Dedicated heating unit
Patent pending


Safety & Clean Technology


Fujikin Incorporated


High-temperature Valve Series Lineup



 -10 to +300°C

 -10 to +200°C

 -10 to +150°C

 -10 to +100°C

FWBR-71-9.52



FPR-NHD-71-9.52-PA



FPR-UDDF-71-9.52-PA
-PI



FPR-71-9.52-PA
-PI



FPR-71-9.52-HT



0.4

0.6

0.8 Cv Value (20°C)

MEGA-M LA

All-metal Pneumatic Valves

High-temperature Valves

MEGA-M LA is an all-metal valve for use in temperatures of up to 350°C. (Exact temperature resistance will depend on operating conditions.)

When coupled with a dedicated heater, it significantly helps in preventing deposits from adhering in high-temperature processes and gas exhaust systems.





Specifications / Materials / Performance

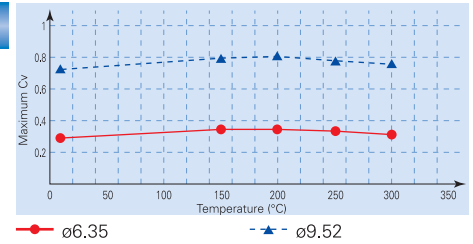
Specifications	Nominal Diameter	Maximum Operating Pressure	Fluid Temperature Range	Maximum Cv* (with N ₂ gas at 20°C)	Actuation Pressure	End Connection
	6.35	1 MPa	-10 to + 300°C	0.25	0.39 to 0.59 MPa	UJR, UPG®, Wseal
	9.52 & 12.7			0.7		

- Theoretical leak rate: External leak: 5×10^{-12} Pa·m³/sec. Seat leak: 5×10^{-12} Pa·m³/sec
- Tested leak rate: External leak: 5×10^{-10} Pa·m³/sec. Seat leak: 5×10^{-10} Pa·m³/sec
- * Depends on the configuration of the body.
- All valves are helium leak tested.
- Durability of over 200,000 cycles at 300°C under test conditions

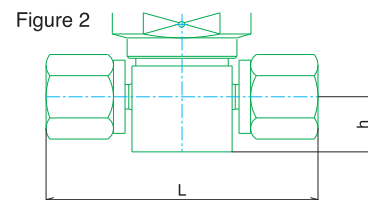
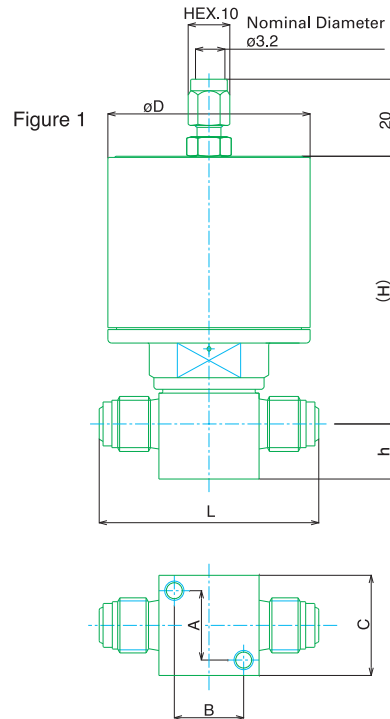
Materials	Part	Material
	Body	SUS316L double-melt
	Diaphragm	Nickel-cobalt alloy
	Stem/bonnet	SUS316
	Actuator	SUS316

Cv - Temperature Curve

Example



Dimensions



(Units: mm)

Part Number	Figure	L	h	H	D	A	B	C
FWB(R)-71-6.35	1	57	14.3	69.5	52	18	18	26
FWB(R)-71-9.52	1	76.2	11.1	94.3	62	20.2	20.2	35
FWB(R)-71-6.35-2	2	70.6	14.3	69.5	52	18	18	26
FWB(R)-71-9.52-2	2	83	12.7	94.3	62	20.2	20.2	35
FWBR-71-6.35-ATS (*)	1	57	14.3	69.5	52	18	18	26

*Optional or made-to-order; the Cv value is 0.1.