

NEW

CAT:No.700-04E-B

FINE series PURE

High Flow Valve series

KIWAMI

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The Height of
Excellence



FUDF-72G-12.7-CRB#A



FPR-NDF-72-12.7-CRB#B

Safety & Clean Technology

Fujikin Incorporated

High Flow Valve Series Lineup

Pressure (MPa)

20.5

16.2

2

1

FPR-NDF-721-12.7-CRB#B

FPR-UDF-721-12.7



P5



P6

FUDDFB-721G-6.35

FUDF-721G-12.7-CRB#A

FUDF-721G-12.7



P4



P6



P6

FPR-NDF-72-12.7-CRB#B

FUDF-72G-12.7-CRB#A



P4



P4

FPR-ND-71-9.52

FUND-71G-9.52



0.25

0.5

0.65

0.8

Direct Diaphragm Valves

Diaphragm Valves

Bellows Valves



Piping Valve Series

● **HB Series**
Bellows Valves for Ultra-pure Gas Lines



● **HF Series**
High Flow Bellows Valves for Ultra-pure Gas Lines



● **SPDS Series**
Diaphragm Valves for Ultra-pure Gas Lines



● **HBF Series**
Forged Bellows Valves for Ultra-pure Gas Lines



P3
FPR-BD-71-12.7



P3
FUBD-71G-12.7

1



FPR-72-19.05



FUB-72-19.05

1.5



FPR-71-19.05



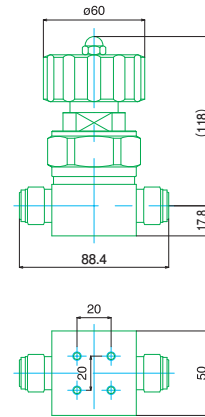
FUB-71-19.05

2.8 Maximum Cv Value (20°C)

Low-pressure Manual Direct Diaphragm Valve

FUBD-71G-12.7

1 MPa
Maximum Cv: 1.5



Specifications	Nominal Diameter	Maximum Operating Pressure	Fluid Temperature Range	Maximum Cv* (with N ₂ gas at 20°C)	End Connection
	12.7	1 MPa (145 psi)	-10 to +40°C	1.5	UJR, UPG®

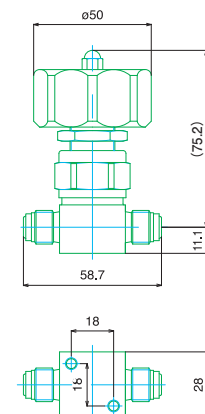
- Theoretical leak rate: External leak: $< 5 \times 10^{-12}$ Pa·m³/sec. Seat leak: $< 5 \times 10^{-12}$ Pa·m³/sec
 - Tested leak rate: External leak: $< 5 \times 10^{-10}$ Pa·m³/sec. Seat leak: $< 5 \times 10^{-10}$ Pa·m³/sec
 - All valves are helium leak tested.
 - Durability of over 20,000 cycles under test conditions.
- * Depends on the configuration of the body.

High-pressure Manual Direct Diaphragm Valve

FUDDFB-721G-6.35

20.5 MPa
Maximum Cv: 0.25

Valves with high-pressure gas certification available.



Specifications	Nominal Diameter	Maximum Operating Pressure	Fluid Temperature Range	Maximum Cv* (with N ₂ gas at 20°C)	End Connection
	6.35	20.5 MPa (2973 psi)	-10 to +40°C	0.25	UJR, UPG®

- Theoretical leak rate: External leak: $< 5 \times 10^{-12}$ Pa·m³/sec. Seat leak: $< 5 \times 10^{-12}$ Pa·m³/sec
 - Tested leak rate: External leak: $< 5 \times 10^{-10}$ Pa·m³/sec. Seat leak: $< 5 \times 10^{-10}$ Pa·m³/sec
 - All valves are helium leak tested.
 - Durability of over 20,000 cycles under test conditions.
- * Depends on the configuration of the body.