

# **FUJIKIN PRODUCT DIGEST**

## **Catalogue of catalogue**

**FUJIKIN<sup>®</sup>**  
**PRODUCT**  
**DIGEST**

***Fujikin Incorporated***



# ***Fujikin Carp Group*** Technology can be found wherever something is flowing

The ***Fujikin Carp Group*** is a leading manufacturer of high-technology products for a wide range of industries. Our corporate policy is to defy boundaries and overcome limitations to technology, and we aim to be number one in every market we serve. Since our beginnings in 1930 as a wholesale dealer of pipe-laying materials and machinery tools, we have evolved into a global leader in the manufacture of specific-purpose valves, as well as precision valves and flow control systems.

The ***Fujikin Carp Group***'s products are known for their safety and reliability, and they are used throughout the semiconductor, aerospace, shipbuilding, chemical, electric power generation, and biotechnology industries. Our research and production facilities are at the cutting edge of technology, and we actively promote collaboration between industry, academia, and the government.

The ***Fujikin Carp Group*** is recognized not only as a manufacturer of technologically advanced products, but also as a leading integrated intelligent high-technology innovator. We believe in exploring the creative potential of partnerships with different industries at a global scale. Through these partnerships, we aim to meet the challenges of the twenty-first century. We appreciate your continued business, and we welcome your feedback.





**Ecology**  
(Recycling Facilities)



**New Energy (Solar Panel)**



**Space Rocket(H-II type)**

**The World Highest Level Class1  
Ultra Supper-Clean Room**



**Medical Engineering**  
(Medical Treatment Development)



**New Science (Accelerator)**





# Product Catalogue Lineup

## Manual Valves

### Globe Valves

#### Needle Valves



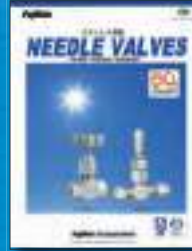
No. 112

Brass / Bronze  
NEEDLE VALVES



No. 127

Ring Fittings & Miniature Valves  
Ring Fittings



No. 111

Stainless Steel NEEDLE VALVES  
For Flow Control / For Minutes Flow Control /  
For Ultra Minutes Flow Control



No. 701-01E

FINE series PURE  
Standard Series



No. 821

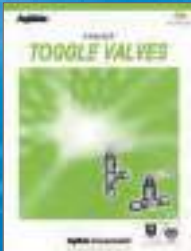
For Minutes Flow Control Valves  
Cv Value: 0.004 Type



No. 831

"MINUCON"  
Diaphragm Type "Mini" Control Valves

#### Disc Valves



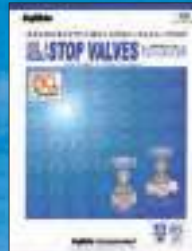
No. 119

Toggle Valves



No. 701-01E

FINE series PURE  
Standard Series



No. 118

Outside Threaded Type Bulkhead Type  
Disc & Needle Stop Valves  
"Clean Couple"



No. 820-01

Stainless Steel Bonnetless Type  
Stop Valves 34MPa Type



No. 820-02

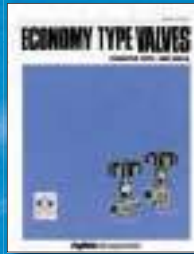
Stainless Steel Outside Threaded Type  
Stop Valves 42MPa Type

Needle Stop Valves



No.320-01

New Value Series Brass 1MPa  
Needle Stop Valves



No.E-114

Female Threaded Type Needle Stop Valves  
Economy Type



No.120-01

New Value Series Stainless Steel 3MPa Type  
Needle Stop Valves



No.711

Brass Bulkhead Type Valves  
Needle Stop Valves



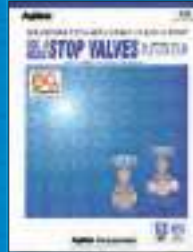
No.001

Super Double Ferrule Compression Fittings  
(Abbreviation: SUW) & Products  
For Process Equipment Super W-Bite Fittings



No.120-02

New Value Series  
Stainless Steel 16.2MPa  
Powerfullok Type Needle Stop Valves



No.118

Outside Threaded Type  
Bulkhead Type Disc & Needle Stop Valves  
DISC&NEEDLE STOP VALVES "Clean Couple"



No.113E

Needle Stop Valves US-Valves  
"Manben Kun" Stainless Steel



No.820-01

Stainless Steel Bonnetless Type  
Stop Valves 34MPa Type



No.702E

Stainless Steel Female Threaded Type  
Needle Stop Valves



No.820-02

Stainless Steel Male Threaded Type  
Stop Valves 42MPa Type



No.100-03

Valves & Fittings  
For Ultra High Pressure Hydrogen Gas  
100MPa Over



# Product Catalogue Lineup

## Manual Valves

Globe Valves

### Bellows Valves



No.710-01E

FINE series PURE  
Bellows-Sealed · Metal Diaphragm Valves



No.709

Stainless Steel Bellows-Sealed Valves  
1MPa Type

### Metal Diaphragm Valves



No.710-01E

FINE series PURE  
Bellows-Sealed · Metal Diaphragm  
Valves



No.711-01E

FINE series PURE  
"MEGA" series



No.741-01E

FINE series PURE  
"NEW MEGA" series



No.700-04E

FINE series PURE  
High Flow Valves Series  
"Kiwami"

### Metal Diaphragm Valves (All Metal)



No.711-01E

FINE series PURE  
"MEGA" series

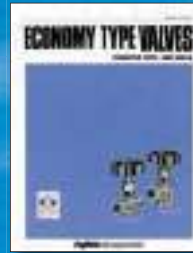
Needle Valves



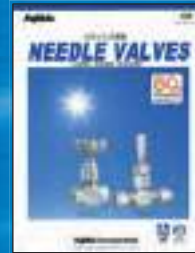
**No.127**  
Ring Fittings & Miniature Valves



**No.112**  
Brass / Bronze Needle Valves



**No.E-114**  
Female Threaded Type Needle Stop Valves Economy Type



**No.111**  
Stainless Steel Needle Valves For Flow Control / For Minutes Flow Control / For Ultra Minutes Flow Control



**No.701-01E**  
FINE series PURE Standard Series



**No.821**  
For Minutes Flow Control Valves Cv Value:0.004 Type

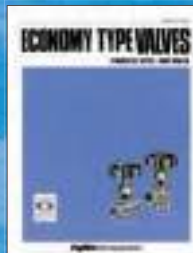


**No.120-02**  
New Value Series Stainless Steel 16.2MPa Powerfullok Type Needle Stop Valves

Needle Stop Valves



**No.320-01**  
New Value Series Brass 1MPa Needle Stop Valves



**No.E-114**  
Female Threaded Type Needle Stop Valves Economy Type



**No.120-01**  
New Value Series Stainless Steel 3MPa Needle Stop Valves



**No.120-02**  
New Value Series Stainless Steel 16.2MPa Powerfullok Type Needle Stop Valves



**No.118**  
Outside Threaded Type Bulkhead Type Disc & Needle Stop Valves "Clean Couple"



**No.113E**  
Needle Stop Valves US-Valves "Manben Kun" Stainless Steel



**No.702E**  
Stainless Steel Female Threaded Type Needle Stop Valves

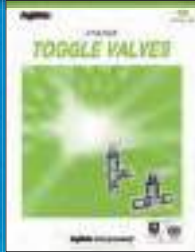


# Product Catalogue Lineup

## Manual Valves

### Angle Valves

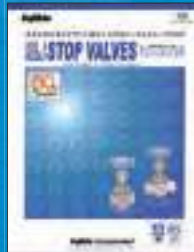
#### Disc Valves



**No.119**  
Toggle Valves



**No.701-01E**  
FINE series PURE  
Standard Series



**No.118**  
Outside Threaded Type Bulkhead Type  
Disc & Needle Stop Valves "Clean Couple"

### Ball Valves

#### Ball Valves



**No.133**  
Fine Ceramic Valves "COSMIX"<sup>TM</sup>



**No.133-01E**  
Fine Ceramic Valves "COSMIX"<sup>TM</sup>



**No.703-01**  
Flange End, But Weld Type  
JIS10K Ball Valves



**No.704E**  
Ball Valves With 4 Coloured Handle  
Mini Ball Valves 3.92MPa Type



**No.810-01**  
New Value Series  
Stainless Steel Ball Valves  
3.92MPa Type



**No.703E**  
Bulkhead Type Ball Valves



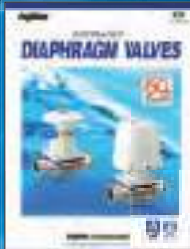
**No.116**  
Compact Type Ball Valves



**No.701-01E**  
FINE series PURE  
Standard Series

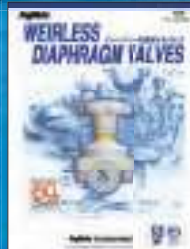
### Diaphragm Valves

#### Diaphragm Valves



**No.504**  
Diaphragm Valves

#### Weirless Diaphragm Valves



**No.FS801**  
Weirless Diaphragm Valves



# Automatic Operate Valves

Globe Valves

## Needle Valves



No.137  
Electric Valves  
"Pretronic SR100E"

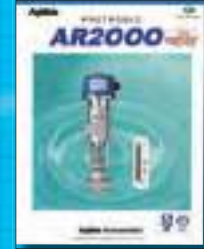
High Performance Small Control Valves



No.138  
Electric Valves  
"Pretronic SR100M"



No.139  
"PRETRONIC SR100"



No.135  
"PRETRONIC AR2000"



No.131

"MINUCON" Diaphragm Actuate  
"Mini" Control Valves

## Needle Stop Valves



No. 100-03

Valves & Fittings For Ultra High Pressure Hydrogen Gas  
100MPa Over

## Bellows Valves



No. 709

Stainless Steel Bellows Valves  
1MPa Type



No. 700-05E

FINE series PURE  
High Temperature Valves series "Kiwami"



No. 710-01E

FINE series PURE  
Bellows + Metal Diaphragm Valves

# Product Catalogue Lineup

## Automatic Operate Valves

### Globe Valves

#### Metal Diaphragm Valves



**No. 710-02E**  
FINE series PURE  
Dual Flow Min. Direct Diaphragm Valves



**No. 700-03E**  
FINE series PURE  
High Durability Valves Series "Kiwami"



**No. 700-05E**  
FINE series PURE  
High Temperature Valves Series "Kiwami"



**No. 711-01E**  
FINE series PURE  
"MEGA" Series



**No. 741-01E**  
FINE series PURE  
"NEW MEGA" Series



**No. 700-04E**  
FINE series PURE  
High Flow Valves Series "Kiwami"

#### Metal Diaphragm Valves (All Metal)



**No. 700-05E**  
FINE series PURE  
High Temperature Valves Series "Kiwami"

### Angle Valves

#### Needle Valves



**No. 131**  
"MINUCON" Diaphragm Actuate  
"Mini" Control Valves



**No. 136**  
"PRETRONIC SR100"



**No. 135**  
"PRETRONIC AR2000"



**No. 100-03**  
Valves & Fittings  
For Ultra High Pressure Hydrogen Gas  
100MPa Over



Ball Valves



No.807-01

New Value Series Stainless Steel 0.92MPa Double Action Type Automatic Ball Valves



No.133

Fine Ceramic Valves "COSMIX"<sup>TM</sup>



No.133-01E

Fine Ceramic Valves "COSMIX"<sup>TM</sup>



No.703-01

Flange End Type, But Weld Type JIS10K Ball Valves



No.232

Compact Ball Valves With Electric Actuator 3.92MPa Type



No.134-02

Air Operate Stainless Steel Valves "AFMO-40R" Single Acting \* Double Acting Type Automatic Ball Valves

Gate Valves



No.133

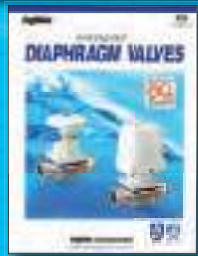
Fine Ceramic Valves "COSMIX"<sup>TM</sup>



No.133-01E

Fine Ceramic Valves "COSMIX"<sup>TM</sup>

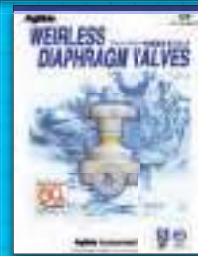
Diaphragm Valves



No.504

Diaphragm Valves

Weirless Diaphragm Valves



No.FS801

Weirless Diaphragm Valves

# Product Catalogue Lineup

## Other Valves

### Check Valves

#### Check Valves



No.711-01E

FINE series PURE  
MEGA series



No.701-01E

FINE series PURE  
Standard Series



No.820-03

Stainless Steel  
Inline Check Valves 22MPa Type



No.100-03

Valves & Fittings  
For Ultra High Pressure Hydrogen Gas  
100MPa Over



# Fittings

## Double Ferrule Compression and Bite Type



**No.702-01E**

Stainless Steel FINE series PURE F900 Fittings Series FINELOK · PURE



**No.702-02**

Stainless Steel FINE series PURE LF900 Fittings Series FINELOK · PURE (For Requir)



**No.001**

Stainless Steel Super Double Ferrule Compression Fittings (Abbreviation · SUI) & Products For Process Equipment Super W-Bite Fittings



**No.721-E**

Stainless Steel Powerfullok Tube Fittings SUS316



**No.724-01E**

Stainless Steel V-Lok Tube Fittings



**No.722E**

Brass Powerfullok Tube Fittings Brass

## Ring



**No.127**

Ring Fittings & Miniature Valves Ring Fittings

## Union Gasket Type



**No.720-01E**

FINE series PURE UJR Fittings · Auto Weld Fittings Series



**No.729-01E**

FINE series PURE UPG Fittings Series

## Welding Type



FINE series PURE UJR Fittings · Automatic Weld Fittings Series

## Union Type



**No.100-03**

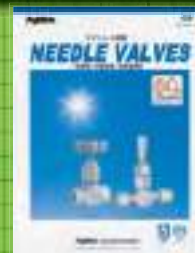
Valves & Fittings For Ultra High Pressure Hydrogen Gas 100MPa Over

## Resin Welding Type



PFA Welding Fittings Pure Fit Series FINE series FUSION

## Bushing Fittings, Socket, Nipples



**No.111**

Stainless Steel Needle Valves For Flow Control / For Minutes Flow Control / For Ultra Minutes Flow Control

# Product Catalogue Lineup

## Systems & Etc.

Systems

### Integrated Gas System(IGS)



No.732-01E

FINE series PURE IGS Integrated Gas System

### Flow Control System(FCS®)



No.712-01E

FINE series PURE FCS® Flow Control System

### Mass Flow Controller FCS® Thermal Series



No.751-01

FINE series PURE FCS® Thermal Series FCST1000



No.752-01E

FINE series PURE FCS® Thermal Series FCST2000

### Automatic Welding System



No.818-01

Welder · Equipment Related To Welding

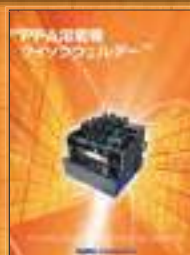
### Water Vapor Generator



No.731-01E

FINE series PURE WVG® Water Vapor Generator

### PFA Welding Machine



No.734-01

PFA Welding Machine "Quick Welder"

### Automatic Leak Inspection Device



No.816

Automatic Leak Detect Inspection Device

### Compressor/Pump



No.163

PROVIDER POWER UNIT



Static Fluid Mixer



No.817-01

Static Mixer "Kongoukun"・"Bunsankun"

Sealing Tape Automatic Wrapping Machine



No.162

"Fujitepler" Sealing Tape Automatic Wrapping Machine

Powerfullok Tool Set



No.723

Powerfullok Specialized Tool Set Nominal Diameter: φ6~φ12.7

Filters



No.701-01E  
FINE series PURE  
Standard Series



No.100-03  
Valves & Fittings For Ultra high Pressure Hydrogen Gas  
100MPa Over

Leak Detection Fluid



No.L602

Leak Detection Fluid "FINE BUBBLE"

# Product Summaries

Valves

Type / Structure

Fujikin's Product Series (Catalogue Name)

Manual Valves

**Glove Valves**

**Needle Valves**

Brass/Bronze NEEDLE VALVES

Ring Fittings & Miniature Valves Ring Fittings

Stainless Steel NEEDLE VALVES For Flow Control / For Minutes Flow Control / For Ultra Minutes Flow Control

FINE series PURE Standard Series

For Minutes Flow Control Valves Cv Value:0.004 Type

Stainless Steel NEEDLE VALVES For Flow Control / For Minutes Flow Control / For Ultra Minutes Flow Control

"MINUCON<sup>®</sup>" Diaphragm Type "Mini" Control Valves

**Needle Stop Valves**

New Value Series<sup>®</sup> Brass 1MPa Needle Stop Valves

Female Threaded Type Needle Stop Valves Economy Type

New Value Series Stainless Steel 3MPa Type Needle Stop Valves

Brass Needle Stop Valves Bulkhead Type

Super Double Ferrule Compression Fittings (Abbreviation: SUW) & Products For Process Equipment Super W-Bite Fittings

New Value Series Stainless Steel 16.2MPa Powerfullok Type Needle Stop Valves

Outside Threaded Type Bulkhead Type Disc & Needle Stop Valves "Clean Couple"

Needle Stop Valves US-Valves "Manben Kun" Stainless Steel

Stainless Steel Bonnetless Type Stop Valves 34MPa Type

Stainless Steel Female Threaded Type Needle Stop Valves

Stainless Steel Male Threaded Type Stop Valves 42MPa Type

Valves & Fittings For Ultra High Pressure Hydrogen Gas "Equipment" 100MPa Over

**Disc Valves**

Toggle Valves

FINE series PURE Standard Series

Outside Threaded Type Bulkhead Type Disc & Needle Stop Valves "Clean Couple"

Stainless Steel Bonnetless Type Stop Valves 34MPa Type

Stainless Steel Outside Threaded Type Stop Valves 42MPa Type

**Bellows Valves**

FINE series PURE Bellows-Sealed · Metal Diaphragm Valves

Stainless Steel Bellows-Sealed Valves 1MPa Type

**Metal Diaphragm Valves**

FINE series PURE Bellows-Sealed · Metal Diaphragm Valves

FINE series PURE "MEGA" series

FINE series PURE "NEW MEGA" series

FINE series PURE High Flow Valves Series "Kiwami"

**All Metal Diaphragm Valves**

FINE series PURE "MEGA" series



Typical Item No.	Connection	Nominal Size	Materials	Cleanliness Grade	Max. Operating Pressure Unit (MPa)	Operating Temperature (Min.) (Degree)	Operating Temperature (Max.) (Degree)	Flowrate (Cv Value)	Application	Catalogue No.
	T : Threaded F : Flange W : Welded C : Double Ferrule Compression & Bite Type U : UJR, UPG A : Automatic Welded Type WS : W-Seal Type O : Others	Character B-C: Nominal Dia.※1 Numerical Value: mm	S : Stainless Steel C : Brass FC : Fine Ceramics Br : Bronze P : PFA	2 : ※2 1 : ※2 C : ※2 Non : ※2	Containing Low Pres. Compact Type Also	(Min.) (Degree) (Max.) (Degree)	Min.: Minute S : Small M : Middle L : Large	C : Excellent Corrosion Resistance S : Specialty Gases M : For minute Flow Control H : Government Certification for High-Pressure Gas Products V : Vacuum		

(※1 : B: 1/4", C: 3/8", D: 1/2", E: 3/4", F: 1", H: 1 1/2", I: 2", M: 4", O: 6")

DH-12, DUE-12 BH-21	T, F	M	Br, C		1.96	-20	150	Min-L		112
RV-6	T, O	12, 12xC	C		1.96	-20	80	S		127
UN-14M	T, C	B, 6.35	S	2	3.92	0	80	S	M, H	111
FUN, FUE, FUH	T, C	C, 12.7	S	C	4.9	-10	80	S	M, H	701-01E
PUN, UN, DUN	T, C	6.35	S, C	2	13.7	-10	120	S	M, H	821
UH·UN·UE-14	T, F, C	F	S	2	15.6	-20	150	S	M, H	111
UN	T, F, W, C, U	F, 12.7	S	2	50	-253	500	S	M, H, V	131
DS-11	T	D	C		1	-20	80	S		320-01
UH-13, DH-11	T	C	S, C		2.94	-20	150	S		E-114
US-13P	T	D	S	2	3	-20	150	S		120-01
PDS, PDWVP	T, C	D, 12.7, 12	C		4.9*	-10	150	S		711
FH-UT	T, F	D	S		14.7	-20	200	S	H	001
US-916	T, C	12.7	S	2	16.2	-20	150	S		120-02
UH-11500HP	T, F, W, C, O	F	S	1	24.8	-50	150	S	H	118
US-126P	T, F, W, C	F	S		25.4	-20	150	S	H	113E
PUH-134	T, C, U	D, 12.7	S	2	34	-53	232	S	H	820-01
PUH, US	T, C	F, 12.7	S		35.3*	-20	150	S	H	702E
PUS-142	T, C, U	D, 12.7	S	2	42	-53	232	S	H	820-02
UH-790G	O	14.2, B	S		90.2	-30	100	S	H	100-03
UK-11, DK-91	T, C	B, 9.52	S, C	2	0.98	0	80	S		119
FUD	U, C	C, 12.7	S	C	5	-10	80	S	M, H	701-01E
UD-11500HP	T, F, W, C, O	F	S	1	24.8	-50	80	S	H	118
PUD-134	T, C, U	D, 12.7	S	2	34	-53	93	S	H	820-01
PUD-142	T, C, U	D, 12.7	S	2	42	-53	93	S	H	820-02
FUBFL, FUB, FUBFN	C, U, A	12.7	S	C	1	-10	80	S	S, V	710-01E
PUBF, PUBFL	C	12.7	S	1	1	-28	315	S	V	709
FUDF	U, C, W	12.7	S	C	16.2	-10	150	S	S, V	710-01E
FUDDFL, FUDDF	U, C, A	12.7	S	C	16.2*	-10	80	S	S, H, V	711-01E
FUNDL, FUND, FUDF	U, C, A	12.7	S	C	20.5	-10	80	S	S, H, V	741-01E
FUDB, FUDF, FUDDFB	U	12.7	S	C	20.5*	-10	40	S	S, H, V	700-04E
FUDDFM	U, C, A	12.7	S	C	1	-10	150	S	S, V	711-01E

[※2 C : Completely Oil Free 1: 1st grade oil Free Treatment (Wetted are oil free.) 2: 2'd grade oil Free Treatment (Fluorine lubricant is used on valve surface that in contact with liquid or gas media.) Non: Excluding the above-mentioned.]

# Product Summaries

Valves

Type / Structure	Fujikin's Product Series (Catalogue Name)
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Manual Valves	Angle Valves	Needle Valves	Ring Fittings & Miniature Valves	Ring Fittings
				Brass/Bronze
			Female Threaded Type	Needle Stop Valves
			Stainless Steel	Needle Valves For Flow Control/For Minutes Flow Control/For Ultra Minutes Flow Control
			FINE series PURE	Standard Series
			For Minutes Flow Control Valves	Cv Value : 0.004 Type
			Stainless Steel	Needle Valves For Flow Control/For Minutes Flow Control/For Ultra Minutes Flow Control
			New Value Series	Stainless Steel 16.2MPa Powerfullok Type Needle Stop Valves
		Needle Stop Valves	New Value Series	Brass 1MPa Type Needle Stop Valves
			Female Threaded Type	Needle Stop Valves Economy Type
			New Value Series	Stainless Steel 3MPa Needle Stop Valves
			New Value Series	Stainless Steel 16.2MPa Powerfullok Type Needle Stop Valves
			Male Threaded Bulkhead Type	Disc & Needle Stop Valves "Clean Couple"
			Needle Stop Valves	US-Valves "Manben-Kun" Stainless Steel
			Stainless Steel	Female Threaded Type Needle Stop Valves
		Disc Valves	Toggle Valves	
			FINE series PURE	Standard Series
			Male Threaded Bulkhead Type	Disc & Needle Stop Valves
	Ball Valves		Fine Ceramic Valves	"COSMIX™"
			Flange End, But Weld Type	JIS10K Ball Valves
			Ball Valves With 4 Coloured Handle	Mini Ball Valves 3.92MPa Type
			New Value Series	Stainless Steel Ball Valves 3.92MPa Type
			Bulkhead Type	Ball Valves Compact & Lightweight 4.9MPa
			Compact Type	Ball Valves
			FINE series PURE	Standard Series
	Diaphragm Valves	Diaphragm Valves	Diaphragm Valves	
		Weirless Diaphragm Valves	Weirless Diaphragm Valves	
	Automatic Valves	Glove Valves	Needle Valves	Electric Valves "Pretronic SR100E" High Performance Small Control Valves
				Electric Valves "Pretronic SR100M"
				"PRETRONIC SR100"
				"PRETRONIC AR2000"
				"MINUCON" Diaphragm Actuate "Mini" Control Valves



Typical Item No.	Connection	Nominal Size	Materials	Cleanliness Grade	Max. Operating Pressure Unit (MPa)	Operating Temperature (Min.) (Degree)	Operating Temperature (Max.) (Degree)	Flowrate (Cv Value)	Application	Catalogue No.
RA-6	T, O	12, 12xC	C		1.96	-20	80	S		127
DH-32, DUE-32, BH-31	T, F	M	C		1.96	-20	150	Min - H		112
UH-33	T	C	S, C		3	-20	150	S		E-114
UN-34M	T, C	B, 6.35	S	2	3.92	0	80	S	M, H	111
FUH-05	T, C	D	S	C	5	-10	80	S	M, H	701-01E
PUN, UN, DUN	T, C	6.35	S, C	2	13.7	-10	120	S	M, H	821
UH, UN, UE-34	T, F, C	F, 6.35	S	1	15.6	-20	150	S	M, H	111
US-016	T, C	12.7	S	2	16.2	-20	150	S		120-02
DS-31	T	D	C		1	-20	80	S		320-01
UH-33, DH-31	T	C	S, C		2.94	-20	150	S		E-114
US-33P	T	D	S	2	3	-20	150	S		120-01
PUS-016	T, C	9.52, C	S	2	16.2	-20	150	S		120-02
UH-31500HP	T, F, W, C, O	F	S	1	24.8	-50	150	S	H	118
US-326P	T, F, W, C	F	S		25.4	-20	150	S	H	113E
PHU, US	T, C	F, 12.7	S		35.3	-20	150	S	H	702E
UK-31	T, C	9.52	S	2	0.98	0	80	S		119
FUD-35	T, C	D	S	C	5	-10	80	S	M, H	701-01E
UD-31500HP	T, F, W, C, O	F	S	1	24.8	-50	80	S	H	118
CBV3	F	M	FC		0.98		200	L	C	133, 133-01E
UBV-21-JIS10R-ALX	F, W	M	S	C	1	-10	60	L		703-01
PUBV-14	C	12.7	S		3.92	-10	80	S		704E
UBVN, UBVNF	T	F	S		3.92	-20	180	M		810-01
PUBV-15	T, C	12.7	S		4.9	-10	80	S		703E
UBV, DBV	T	I	S, C		14.7	-10	80	M	H	116
FUBV	T, O	12.7	S	C	16.2	10	80	S	H	701-01E
BW2	F, W, O	M	S	1	0.49	0	150	M		504
BSW	F, W, O	I	S	1	0.6	0	150	M		FS801, 801-02
S5	T	D	S	2	1	-20	150	S	M, V	137
S1	T	C	S		2.94	-10	150	S	M	138
S2, S3	T, F, W, C, U	F, 12.7	S	2	14.7	-253	500	S	M, H	136
C1, C3	T, F, W, C, U	F, 12.7	S	2	50	-253	500	S	M, H, V	135
M2, M3	T, F, W, C, U	F, 12.7	S	2	90.2	-253	500	S	M, H, V	131

(※1: B: 1/4", C: 3/8", D: 1/2", E: 3/4", F: 1", H: 1 1/2", I: 2", M: 4", O: 6")

※2 C: Completely Oil Free 1: 1st grade oil Free Treatment (Wetted are oil free.) 2: 2'd grade oil Free Treatment (Fluorine lubricant is used on valve surface that in contact with liquid or gas media.) Non: Excluding the above-mentioned)

Please confirm catalogue of each product about details

# Product Summaries

Valves

Type / Structure

Fujikin's Product Series (Catalogue Name)

Automatic Valves

Needle Stop Valves

Valves & Fittings For Ultra High Pressure Hydrogen Gas 100MPa Over

Bellows Valves

Stainless Steel Bellows Valves 1MPa Type

FINE series PURE High Temperature Valves series "Kiwami"

FINE series PURE Bellows · Metal Diaphragm Valves

Metal Diaphragm Valves

FINE series PURE Dual Flow Min. Direct Diaphragm Valves

FINE series PURE High Durability Valves Series "Kiwami"

FINE series PURE High Temperature Valves series "Kiwami"

FINE series PURE "MEGA" series

FINE series PURE "NEW MAGA" series

FINE series PURE High Flow Valves Series "Kiwami"

All Metal Diaphragm Valves

FINE series PURE High Temperature Valves series "Kiwami"

Angle Valves

Needle Valves

"PRETRONIC SR100"

"PRETRONIC AR2000"

"MINUCON" Diaphragm Actuate "Mini" Control Valves

Valves & Fittings For Ultra High Pressure Hydrogen Gas 100MPa Over

Ball Valves

New Value Series Stainless Steel 0.92MPa Double Action Type Automatic Ball Valves

Fine Ceramic Valves "COSMIX™"

Flange End Type, But Weld Type JIS10K Ball Valves

Compact Ball Valves With Electric Actuator 3.92MPa Type

Air Operate Stainless Steel Valves "AFMO-40R" Single Acting · Double Acting Type Automatic Ball Valves

Gate Valves

Fine Ceramic Valves "COSMIX™"

Diaphragm Valves

Diaphragm Valves

Diaphragm Valves

Weirless Diaphragm Valves

Weirless Diaphragm Valves

Check Valves

FINE series PURE MAGE Series

FINE series PURE Standard Series

Stainless Steel Inline Check Valves 22MPa Type

Valves & Fittings For Ultra High Pressure Hydrogen Gas 100MPa Over

Others



Typical Item No.	Connection	Nominal Size	Materials	Cleanliness Grade	Max. Operating Pressure Unit (MPa)	Operating Temperature (Min.) (Degree)	Operating Temperature (Max.) (Degree)	Flowrate (Cv Value)	Application	Catalogue No.
	T : Threaded F : Flange W : Welded C : Double Ferrule Compression & Bite Type U : UJR, UPG A : Automatic Welded Type WS : W-Seal Type O : Others	Character B-C: Nominal Dia.※1 Numerical Value: mm	S : Stainless Steel C : Brass FC : Fine Ceramics Br : Bronze P : PFA	2 : ※2 1 : ※2 C : ※2 Non : ※2	Containing Low Pres. Compact Type Also	Min. Minute S : Small M : Middle L : Large	C : Excellent Corrosion Resistance S : Specialty Gases M : For minute Flow Control H : Government Certification for High-Pressure Gas Products V : Vacuum			

(※1 : B: 1/4", C: 3/8", D: 1/2", E: 3/4", F: 1", H: 1 1/2", I: 2", M: 4", O: 6")

M2-7110			S		110	-30	100	S	M, H, V	100-03
APR-PUBF	C	12.7	S	1	1	-28	93	S	V	709
FPR-PA, FPR-HT	U, C, A	12.7	S	C	1	-10	150	S	V	700-05E
FPR, FPR-UBF	W, U, A	12.7	S	C	16.2*	-10	80	S	S, V	710-01E
FPR-SD-71SS2	U	6.35	S	C	1	-10	80	S	S, V	710-02E
FPR-NHD, FSR-FD	U, C, A	12.7	S	C	1	-10	80	S	S, V	700-03E
FPR-NHD, FPR-UDDF	U, C, A	12.7	S	C	1	-10	200	S	S, V	700-05E
FPR-UDDF, FPR-SD	U, C, A	12.7	S	C	20.5*	-10	80	S	S, H, V	711-01E
FPR-ND, FPR-NSD	U, C, A	12.7	S	C	20.5	-10	80	S	S, H, V	741-01E
FPR-BD, FPR-NDF, FPR-UDF	U	12.7	S	C	20.5*	-10	40	S	S, H, V	700-04E
FWBR	U, WS	12.7	S	C	1	-10	300	S	S, V	700-05E
S2, S3	T, F, W, C, U	F, 12.7	S	2	14.7	-253	500	S	M, H	136
C1, C3	T, F, W, C, U	F, 12.7	S	2	50	-253	500	S	M, H, V	135
M2, M3	T, F, W, C, U	F, 12.7	S	2	90.2	-253	500	S	M, H, V	131
UH-790G	O	14.2, B	S		90.2	-30	100	S	H	100-03
AFMO-01	T	F	S		0.98	-20	80	M		807-01
CBV3	F	O	FC		0.98		200	L	C	133, 133-01E
UBV-21-JIS10R-ALX	F, W	M	S	C	1	-10	60	L		703-01
DM-UBV	T	E	S		3.92	0	80	M		232
AFMO-40R	T	I	S		3.92	0	130	M		134-02
CP	F	H	FC		1.96		200	M	C	133, 133-01E
BWC2N, BWO2, BWD2	F, W, O	M	S	1	0.49	0	150	M		504
BSWCN	F, W, O	I	S	1	0.6	0	150	M		FS-801, 801-02
FUCDF	U, WS	6.35	S	C	1	-10	80	S		711-01E
FUCL	T, U, C	12.7, D	S	C	16.2	-10	80	S		701-01E
PUCL	C	12.7	S	2	22	-10	200	S	H	820-03
UCL-7110	T, (O)	14.2	S		110	-30	100	S	H	100-03

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# Product Summaries

## Fittings

Type / Structure	Fujikin's Product Series (Catalogue Name)
Double Ferrule Compression and Bite Type	Powerfullok Tube Fittings Brass
	FINE series PURE F900 Fittings Series FINELOK·PURE
Brass	FINE series PURE LF900 Fittings Series FINELOK·PURE (For Requir)
	Super Double Ferrule Compression Fittings (Abbreviation: SUW) & Products For Process Equipment Super W-Bite Fittings
	Powerfullok Tube Fittings SUS316
	V-Lok <sup>®</sup> Tube Fittings
	Ring Fittings & Miniature Valves Ring Fittings
Ring Fitting Type	
Union Gasket Type	FINE series PURE UJR Fittings · Auto Weld Fittings Series
	FINE series PURE UPG <sup>®</sup> Fittings Series
Welding Type	FINE series PURE UJR Fittings · Automatic Weld Fittings Series
Union Type	Valves &Fittings For Ultra High Pressure Hydrogen Gas Equipment 100MPa Over
Welding Type	PFA Welding Fittings "Pure Fit" Series FINE series FUSION
Bushing Fittings	Stainless Steel Needle Valves For Flow Control/For Minutes Flow Control/For Ultra Minutes Flow Control
Socket	Stainless Steel Needle Valves For Flow Control/For Minutes Flow Control/For Ultra Minutes Flow Control
Nipples	Stainless Steel Needle Valves For Flow Control/For Minutes Flow Control/For Ultra Minutes Flow Control

## Systems & Others

Type / Structure	Fujikin's Product Series (Catalogue Name)
Integrated Gas System "IGS"	FINE series PURE "IGS" Integrated Gas System
Flow Control System (FCS <sup>®</sup> )	FINE series PURE FCS <sup>®</sup> Flow Control System
Mass Flow Controller FCS <sup>®</sup> Thermal Series	FINE series PURE FCS <sup>®</sup> Thermal Series
	FINE series PURE FCS <sup>®</sup> Thermal Series
Automatic Welding System	Welder · Equipment Related To Welding
Water Vapor Generator	FINE series PURE WVG <sup>®</sup> Water Vapor Generator
PFA Welding Machine	PFA Welding Machine "Quick Welder"
Automatic Leak Detect Inspection Device	Automatic Leak Detect Inspection Device
Compressor/Pomp	Povider / Power Unit PROVIDER POWER UNIT
Static Fluid Mixer · Decentralizator	Static Mixer "Kongoukun" · "Bunsankun"
Sealing Tape Automatic Wrapping Machine	"Fujitepler" Sealing Tape Automatic Wrapping Machine
Powerfullok Specialized Tool Set	Powerfullok Specialized Tool Set Nominal Diameter: φ6~φ12.7
Filters	FINE series PURE Standard Series
	Valves & Fittings For Ultra High Pressure Hydrogen Gas Equipment 100MPa Over
Leak Detection Fluid "FINE BUBBLE"	Leak Detection Fluid "FINE BUBBLE"



Typical Item No.	Nominal Size Character B-Q: Nominal Dia. *1 Numerical Value: mm	Materials S : Stainless Steel C : Brass FC : Fine Ceramics Br : Bronze P : PFA	Cleanliness Grade 2 : *2 1 : *2 C : *2 Non : *2	Max. Operating Pressure Unit (MPa) *Containing Low Pres. Compact Type Also	Operating Temperature (Min.) (Degree)	Operating Temperature (Max.) (Degree)	Application C: Excellent Corrosion Resistance S: Specialty Gases M: For minute Flow Control H: Government Certification for High-Pressure Gas Products V: Vacuum	Catalogue No.
PDW	12.7	C		4.9		125		722E
F900	F, 25.4	S	C	16.2	-196	350	H	702-01E
LF900	D, 12.7	S	C	16.2 (SS BA Tube) 0.7 (PTFE Tube)	-196	350 (Stainless Steel BA Tube) 200 (PTFE Tube)		702-02
SUW	12	S		25.4	-196	400	H	001
PUW	F, 25.4	S		67	-196	600	H	721E
VUW	F, 25.4	S		83.2	-196	649		724-01E
RH	D, 12.7	C		4.9	-45	125		127
UJR	19.05	S	C	21.5	-196	450	H, V	720-01E
UPG	12.7	S	C	21.5	-196	450	H, V	729-01
UJ	12.7	S	C	21.5	-196	450	H, V	720-01E
UJUN	14.2	S		110			H	100-03
PJ	F	P	1			200		734-02
UJB	F	S						111
UJS	D	S						111
UJN	D	S						111

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Typical Item No.	Connection T : Threaded F : Flange W : Welded C : Double Ferrule Compression & Bite Type U : UJR, UPG A : Automatic Welded Type WS : W-Seal Type O : Others	Nominal Size Character B-Q: Nominal Dia. *1 Numerical Value: mm	Materials S : Stainless Steel C : Brass FC : Fine Ceramics Br : Bronze P : PFA	Cleanliness Grade 2 : *2 1 : *2 C : *2 Non : *2	Max. Operating Pressure Unit (MPa) *Containing Low Pres. Compact Type Also	Operating Temperature (Min.) (Degree)	Operating Temperature (Max.) (Degree)	Flowrate (Cv Value) Ma: Minute S: Small M: Middle L: Large	Application C: Excellent Corrosion Resistance S: Specialty Gases M: For minute Flow Control H: Government Certification for High-Pressure Gas Products V: Vacuum	Catalogue No.
	O		S	C	1	-10	150	S	S, V	732-01E
FCS-4WS, FCS-DN	U, WS		S	C				S	V	712-01E
FCST1000	U, C	6.35	S	1	1	5	50	S	V	751-01
FCST2000	U, C, WS	9.52	S	C	1	5	50	S	V	752-01E
										818-01
	U	6.35		C						731-01E
				1						734-01
										816
										163
										817-01
										162
										723
FUFL, FUFT	T, C, U	D	S	C	16.2	-10	80	S	H	701-01E
UFL-745	O	D	S						H	100-03
										L602

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**Fujikin®**



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The Year 2005  
The 1st Monozukuri (manufacturing)  
Nippon Grand Awards  
: Excellence Prize