

STOP VALVE & CONDENSATE CHAMBER

DATA SHEET

FXJ, FXK

In measuring pressures, flow rates or levels, a process piping and a pressure piping to feed pressures from a process tank to a transmitter are required.

Fuji's stop valve and condensate chamber are designed to be used with a pressure piping system to provide proper maintenance of transmitters and better measurement accuracy.

Both the stop valve and condensate chamber are available in different operating pressure ratings to permit selection according to applications.



SPECIFICATIONS

Stop Valve (Type:FXJ)

Application: The stop valve is used to remove a transmitter from a pressure piping when maintenance of the transmitter is required. It can be readily fitted to the pressure piping.

Material of main unit:

Materials of other parts:

Operating pressure and temperature:

Symbol	Material of main unit	Materials of other parts	Operating pressure	Temperature [°C]max.
A	FCD400	SUS 403	1MPa{10.20kgf/cm ² }	200
C	FCD450	SUS 304	2MPa{20.39kgf/cm ² }	250
D	SUS304	SUS 304	2MPa{20.39kgf/cm ² }	250
F	ASTM A182F11	SUS 403	15MPa{153.0kgf/cm ² }	425
G	ASTM A182F22	SUS 403	24MPa{244.7kgf/cm ² }	525
* H	SF440A	SUS 403	11MPa{112.2kgf/cm ² }	360
* J	SF440A	SUS 403	28MPa{285.5kgf/cm ² }	425
K	SUS304	SUS 304	7MPa{71.38kgf/cm ² }	300

Note: Symbols A to K denote the 4th digit of the code.

Type of connection:

Inlet	Outlet	Application
Rc1/2	Rc1/2	FXJA, C, D, K
Rc1/2	φ 9.6 union	FXJA, C, D
φ 22.2 socket	φ 22.2 socket	FXJF, G, J, H

Mass {weight}: FXJA 0.5kg FXJC, D 2kg
FXJK 3kg FXJF,G,H,J 3.5kg

Finish color: Silver (excluding SUS parts)

Range of delivery:

Stop valve

Condensate Chamber (Type:FXK)

Application: The condensate chamber is used with a differential pressure transmitter when measuring boiler drum level or stream flow rate. It keeps condensation at a fixed level for better measurement accuracy.

Operating pressure and temperature, and material:

2MPa·350°C max., JIS STPG370
{20.39kgf/cm²}

6MPa·400°C max., JIS STPT370
{61.18kgf/cm²}

15MPa·500°C max., ASTM A182 F11
{153.0kgf/cm²}

24MPa·525°C max., ASTM A182 F22
{244.7kgf/cm²}

Type of connection:

R1/2
Rc1/2
1/2B pipe
1/2B socket
1/2, 1B flange
(JIS 10, 16, 20, 30K)

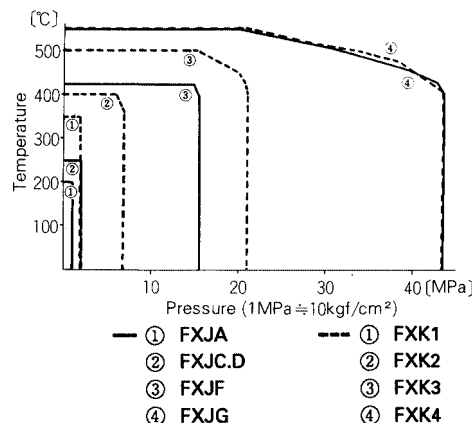
Note: For the arrangement of inlet and outlet, refer to Table given in page 2

Water inlet:

Pressure: 6MPa{61.18kgf/cm²} max. for standard provision

Pressure: 15MPa{153.0kgf/cm²} min. for non-standard provision

Ranges of Operating Temperature and Pressure



CODE SYMBOLS

Stop Valve

1	2	3	4	5	6	7	8	9	Description						
F	X	J						3							
Material/pressure															
									Material of main unit	Materials of other parts	Operating pressure	Temperature [°C]max	Connection		
A									FCD400	SUS403	1MPa {10.20kgf/cm ² }	200	Rc1/2		
C									FCD450	SUS304	2MPa {20.39kgf/cm ² }	250	Rc1/2		
D									SUS304	SUS304	2MPa {20.39kgf/cm ² }	250	Rc1/2		
F									ASTMA182F11	SUS403	15MPa {153.0kgf/cm ² }	425	1/2 socket (φ22.2)		
G									ASTMA182F22	SUS403	24MPa {244.7kgf/cm ² }	525	1/2 socket (φ22.2)		
* H									SF440A	SUS403	11MPa {112.2kgf/cm ² }	360	1/2 socket (φ22.2)		
* J									SF440A	SUS403	28MPa {285.5kgf/cm ² }	425	1/2 socket (φ22.2)		
K									SUS304	SUS304	7MPa {71.38kgf/cm ² }	300	Rc1/2		
Connection															
			1	0					Screw, Rc1/2						
			2	0					Union						
			3	0					Socket						
Treatment															
								Y	None						
								A	Oil repulsion (SUS304 only)						
Stainless steel tag plate															
								Y	None						
								A	Yes						

Condensate Chamber

1	2	3	4	5	6	7	8	Description							
F	X	K						3							
Material, pressure And temperature															
									Drum	End plate	Operating pressure	Temperature [°C]max			
1									STPG370	SPHC-P	2MPa {20.39kgf/cm ² }	350			
2									STPT370	SF440A	6MPa {61.18kgf/cm ² }	400			
3									ASTM A182 F11		15MPa {153.0kgf/cm ² }	500			
4									ASTM A182 F22		24MPa {244.7kgf/cm ² }	525			
Type of connection															
(1) Type of inlet is entered in the 5th digit of the code, and the type of outlet in the 6th digit.															
(2) Symbols entered in the 5th and 6th digits are referred to Table given below.															
								A	R1/2						
								B	Rc1/2, with union joint (screw type)						
								C	Rc1/2, with socket (screw type)						
								D	1/2B pipe (welded to socket)						
								E	1/2B, with sockert (welded to socket)						
								F	JIS 10K 15A, with flange						
								G	JIS 16K 15A, with flange						
								H	JIS 20K 15A, with flange						
								J	JIS 30K 15A, with flange						
								K	JIS 10K 25A, with flange						
								L	JIS 16K 25A, with flange						
								M	JIS 20K 25A, with flange						
								N	JIS 30K 25A, with flange						
								Z	Other						
Stainless steel tag plate															
								Y	None						
								A	Yes						

Arrangement of the 5th and 6th digits of the code following the symbol in the 4th digit

4th digit	5th digit	6th digit								Fig.No.	
		A	B	C	D	E	F	G	H		J
1	A	○	○								Fig. 6
	B	○	○								
	C	○	○								
	F	○	○				○				Fig. 7, 8
	G	○	○					○			
H	○	○						○			
2	K	○	○				○				Fig. 9, 10
	L	○	○					○			
	M	○	○						○		
	A	○	○								Fig. 11
	C	○	○								
	D				○	○					Fig. 12
	E				○	○					
H				○	○			○		Fig. 13, 14	
J				○	○				○		
M				○	○				○		
3	E				○						Fig. 15, 16
	N				○					○	
3	E				○						Fig. 17
4	E				○						Fig. 18

OUTLINE DIAGRAM (Unit:mm)

Stop Valve

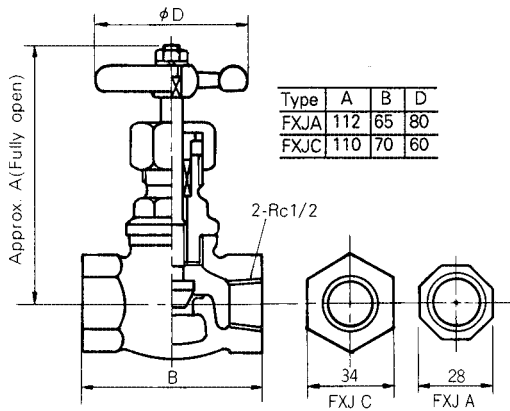


Fig. 1 FXJ

A
C

 10Y3

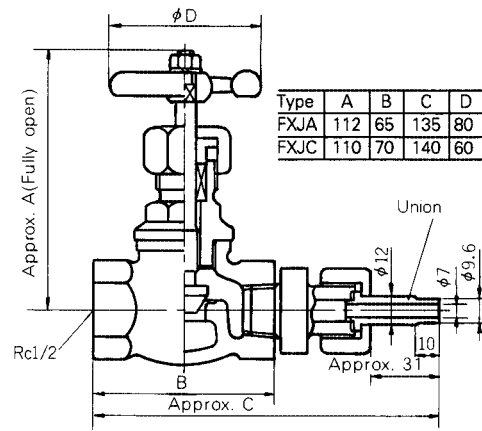


Fig. 2 FXJ

A
C

 20Y3

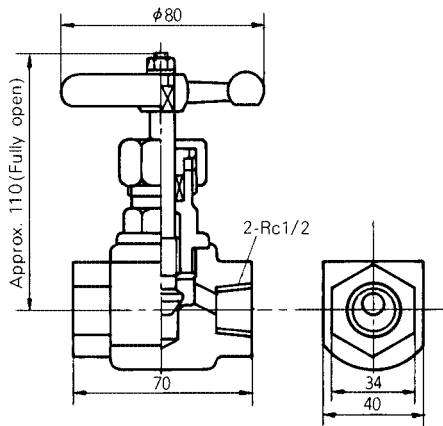


Fig. 3 FXJ

D
K

 10

Y
A

 3

Stainless steel tag plate (option)

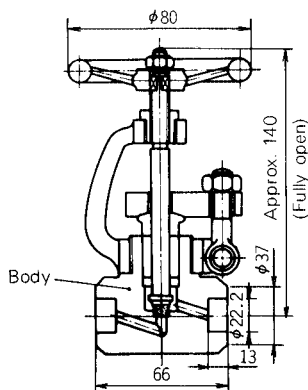
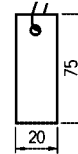


Fig. 5 FXJ

F
G
H
J

 30Y3

Condensate Chamber

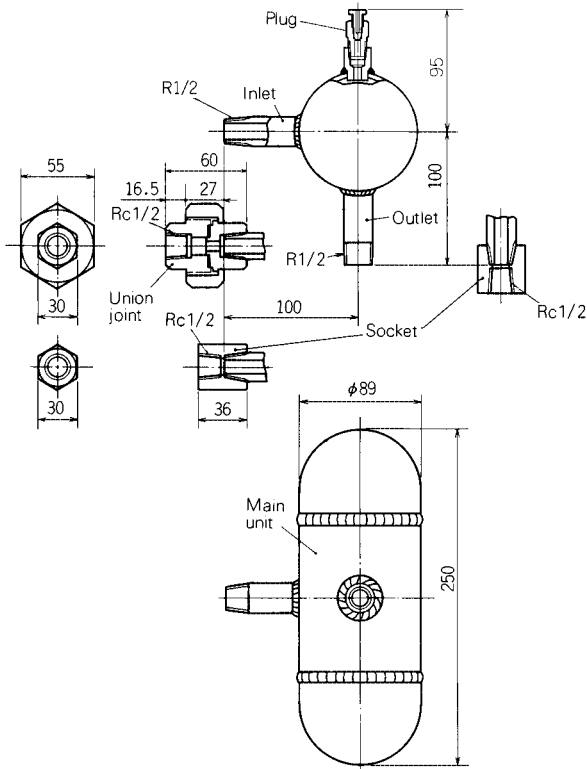


Fig. 6 FXK1

A	A
B	B
C	C

 03

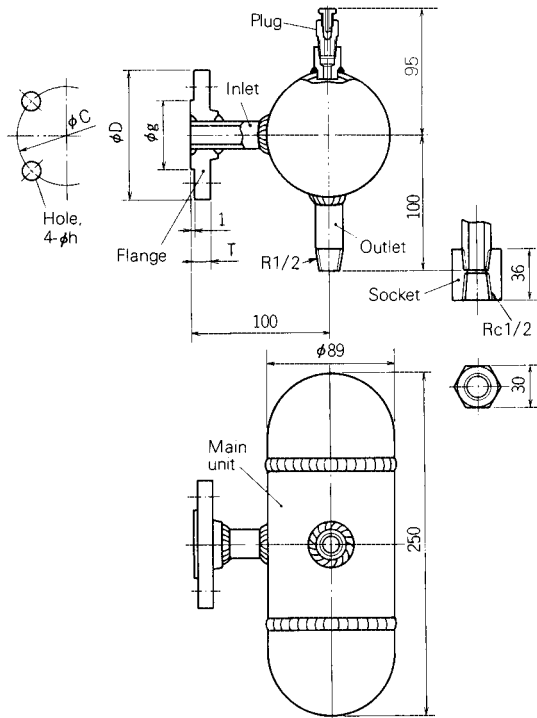


Fig. 7 FXK1

F	A
G	C
H	C

 03

Type	Flange JIS	D	g	T	C	h
FXK1F	10K 15AFF	95	-	12	70	15
FXK1G	16K 15ARF	95	51	12	70	15
FXK1H	20K 15ARF	95	51	14	70	15

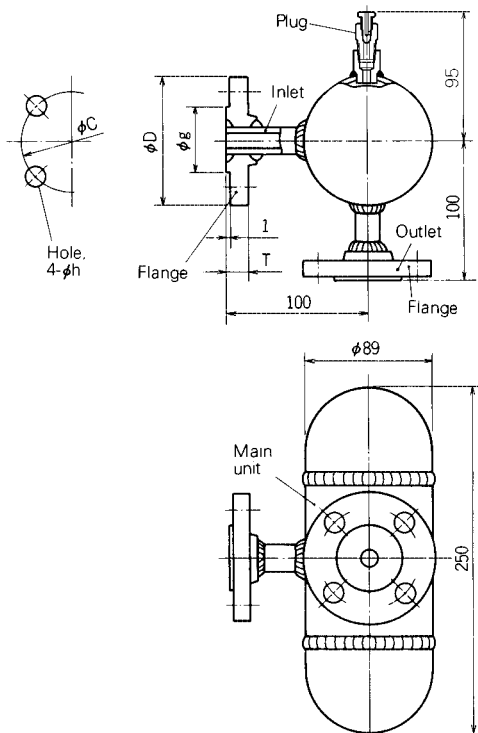


Fig. 8 FXK1

F	F
G	G
H	H

 03

Type	Flange JIS	D	g	T	C	h
FXK1FF	10K 15AFF	95	-	12	70	15
FXK1GG	16K 15ARF	95	51	12	70	15
FXK1HH	20K 15ARF	95	51	14	70	15

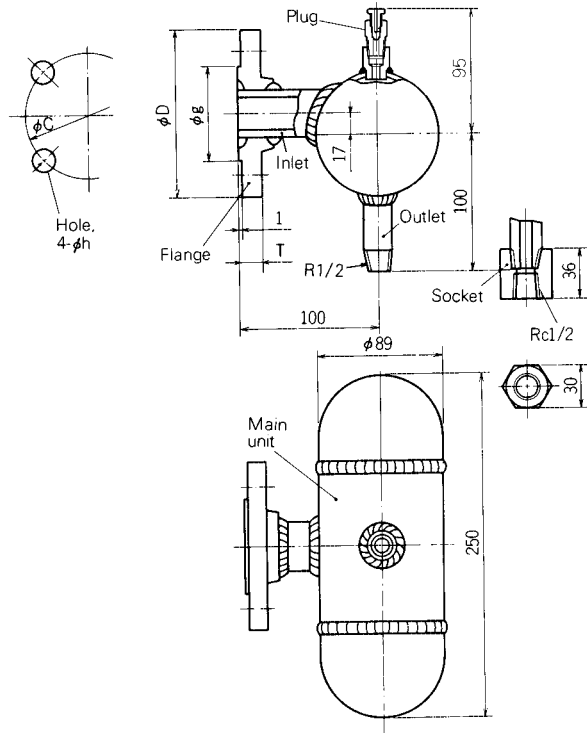


Fig. 9 FXK1

K	A
L	C
M	C

 03

Type	Flange JIS	D	g	T	C	h
FXK1K	10K 25AFF	125	-	14	90	19
FXK1L	16K 25ARF	125	67	14	90	19
FXK1M	20K 25ARF	125	67	16	90	19

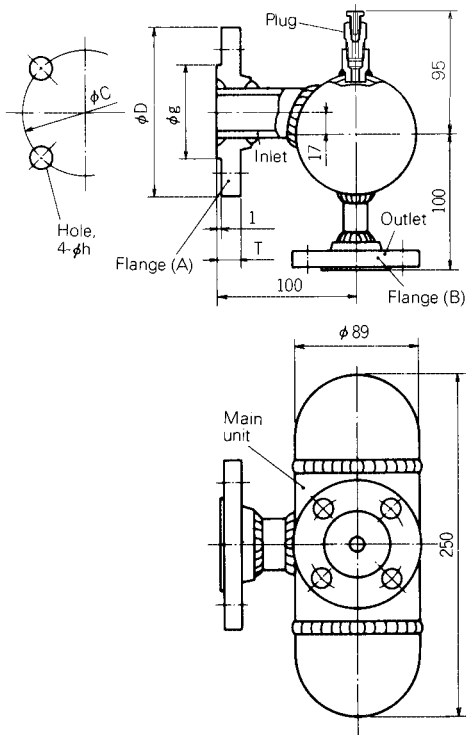


Fig. 10 FFK1

K	F
L	G
M	H

03

Type	Flange JIS	D	g	T	C	h
FFK1KF	(A) 10K 25AFF (B) 10K 15AFF	125	—	14	90	19
FFK1LG	(A) 16K 25ARF (B) 16K 15ARF	125	67	14	90	19
FFK1MH	(A) 20K 25ARF (B) 20K 15ARF	125	67	16	90	19

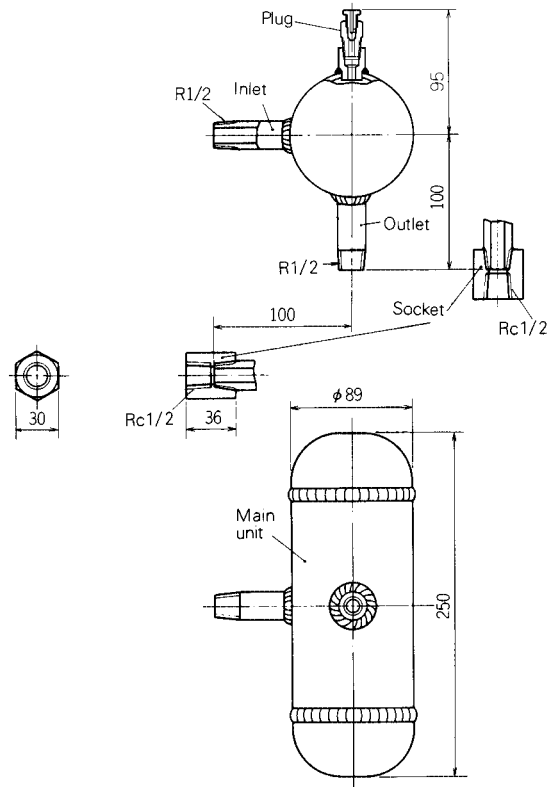


Fig. 11 FFK2

A	A
C	C

03

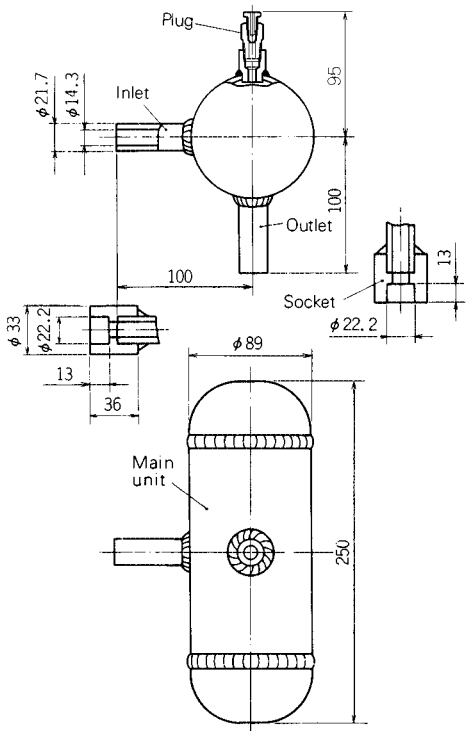


Fig. 12 FFK2

D	D
E	E

03

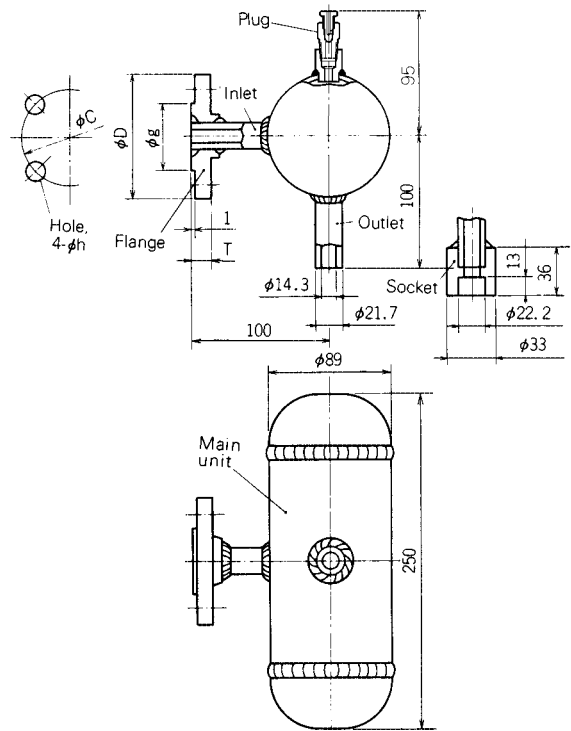


Fig. 13 FFK2

H	D
J	E

03

Type	Flange JIS	D	g	T	C	h
FFK2H	20K 15ARF	95	51	14	70	15
FFK2J	30K 15ARF	115	55	18	80	19

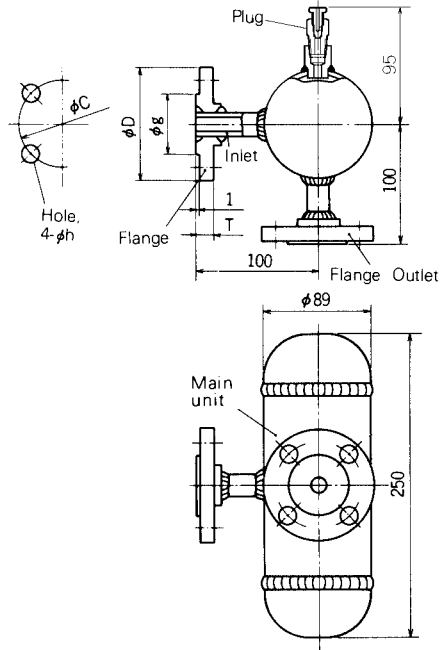


Fig. 14 FXK2 **HJ** 03

Type	Flange JIS	D	g	T	C	h
FXK2HH	20K 15ARF	95	51	14	70	15
FXK2JJ	30K 15ARF	115	55	18	80	19

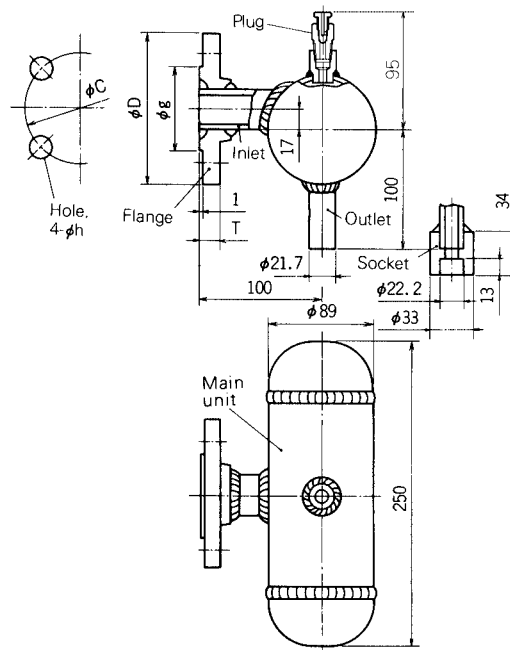


Fig. 15 FXK2 **ME** 03

Type	Flange JIS	D	g	T	C	h
FXK2M	20K 25ARF	125	67	16	90	19
FXK2N	30K 25ARF	130	70	20	95	19

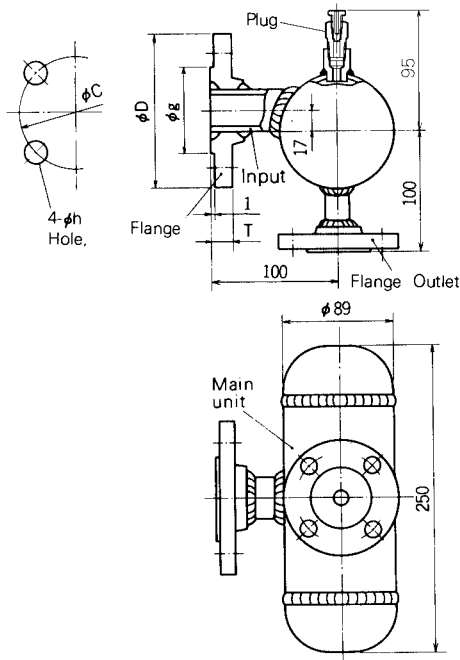


Fig. 16 FXK2 **MJ** 03

Type	Flange JIS	D	g	T	C	h
FXK2MH	20K 25ARF	125	67	16	90	19
FXK2MH	20K 15ARF	95	51	14	70	15
FXK2NJ	30K 25ARF	130	70	20	95	19
FXK2NJ	30K 15ARF	115	55	18	80	15

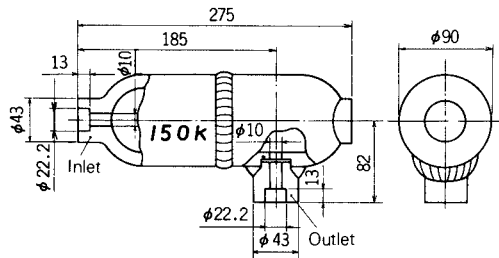


Fig. 17 FXK3 **EE** 03

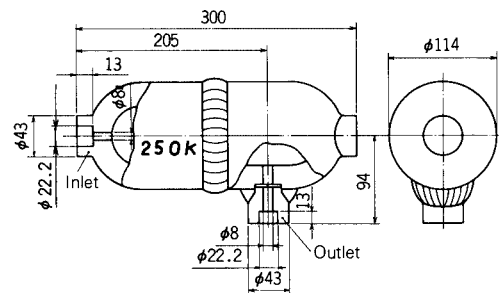
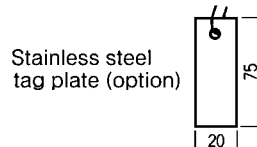


Fig. 18 FXK4 **EE** 03



Caution on Safety

*Before using this product, be sure to read its instruction manual in advance.

Asterisked (*) items: Non-standard.

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