Pressure Indicating Controller Adjustable range type

Model KFKB

OVERVIEW

Model KFKB Pressure Indicating Controllers (adjustable range type) indicate and control a process variable by converting its pressure into mechanical displacement of a bellows or a spiral pressure receiving element.

Indicating transmitters and indicating transmitting controllers also are available as well as indicating controllers. The controllers are available either in the local type to set the set-point value with the knob on the instrument or in the cascade type (remote type) to set the set-point value with a pneumatic signal.

FEATURES

- A wide variety of measuring elements and control mechanisms are available to meet various applications.
- A pneumatic circuit board and a heat-resistant weatherproof sturdy case are used, thereby greatly improving the durability and reliability.
- The pneumatic circuit board system allows to readily add or eliminate control mechanisms and units, thereby enhancing the system modifications and expansion flexibility.
- Interchangeable parts are used to the maximum practicable extent, thereby reducing the number of parts to be kept in stock.
- The detecting section is identical with that of the pressure transmitter of Pneumatic Transmitter model KKP _ _.

SPECIFICATIONS

Standard specifications

Item			Specifications				
Detector							
Model No.	Pressure element	Measuring range	Process connection	Pressure limit	Allowable overload	Suppression (max.)	Elevation (max.)
11	Bourdon tube	0-5 to 0-70 MPa {0-50 to 0-700 kgf/cm²}	Welding nipple connection (13.6 × 50)	-0.1 to +70 MPa {-1 to +700 kgf/cm²}	-0.1, 75 MPa {-1, 750 kgf/cm²}	-100 kPa {-1 kgf/cm²}	65 MPa {650 kgf/cm²}
12		0-1.25 to 0-25 MPa {0-12.5 to 0-250 kgf/cm²}	Rc 1/2 or Rc 1/4 internal Thread 1/2 NPT or 1/4 NPT internal thread	-0.1 to +30 MPa {-1 to +300 kgf/cm²}	-0.1, 32 MPa {-1, 320 kgf/cm²}		28.75 MPa {287.5 kgf/cm²}
13		0-0.35 to 0-7 MPa {0-3.5 to 0-70 kgf/cm²}		-0.1 to +10.5 MPa {-1 to +105 kgf/cm²}	-0.1, 14 MPa {-1, 140 kgf/cm²}		10.15 MPa {101.5 kgf/cm²}
14		0-0.175 to 0-3.5 MPa {0-1.75 to 0-35 kgf/cm²}		-0.1 to +5.25 MPa {-1 to +52.5 kgf/cm²}	-0.1, 7 MPa {-1, 70 kgf/cm²}		5.075 MPa {50.75 kgf/cm²}
15	Bellows	0-35 to 0-686 MPa {0-0.35 to 0-7 kgf/cm²}		-0.1 to +1.05 MPa {-1 to +10.5 kgf/cm²}	-0.1, 1.4 MPa {-1, 14 kgf/cm²}		1.015 MPa {10.15 kgf/cm²}
16		0-10 to 0-196 kPa {0-0.1 to 0-2 kgf/cm²}		-100 to +300 kPa {-1 to +3 kgf/cm²}	-100, 400 kPa {-1, 4 kgf/cm²}		290 kPa {2.9 kgf/cm²}
17		0-3.4 to 0-66.6 kPa {0-25 to 0-500 mmHg}		-66.6 to +66.6 kPa {-500 to +500 mmHg}	-66.6, 300 kPa {-500 mmHg, 4 kgf/cm²}	-66.6 kPa {-500 mmHg}	63.2 kPa {475 mmHg}
18		0-0.7 to 0-13.3 kPa {0-5 to 0-100 mmHg}		-13.3 to +13.3 kPa {-100 to +100 mmHg}	-13.3, 300 kPa {-100 mmHg, 4 kgf/cm²}	-13.3 kPa {-100 mmHg}	12.6 kPa {95mmHg}
25	Bellows (absolute pressure)	0-35 to 0-686 kPa abs. {0-0.35 to 0-7 kgf/cm²} abs.		0 to 686 kPa abs. {0 to 7 kgf/cm²} abs.	1.4 MPa abs {14 kgf/cm²} abs.	———	653 kPa abs. {6.65 kgf/cm²} abs.
26		0-10 to 0-196 kPa abs. {0-0.1 to 0-2 kgf/cm²} abs.		0 to 196 kPa abs. {0 to 2 kgf/cm²} abs.	0.6 MPa abs. {6 kgf/cm²} abs.	———	186 kPa abs. {1.9 kgf/cm²} abs.
27		0-3.4 to 0-66.6 kPa abs. {0-25 to 0-500 mmHg} abs.		0 to 66.6 kPa abs. {0 to 500 mmHg} abs.	0.4 MPa abs. {4 kgf/cm²} abs.	———	63.2 kPa abs. {475 mmHg} abs.
28		0-0.7 to 0-13.3 kPa abs. {0-5 to 0-100 mmHg} abs.		0 to 13.3 kPa abs. {0 to 100 mmHg} abs.	0.4 MPa abs. {4 kgf/cm²} abs.	———	12.6 kPa abs. {95 mmHg} abs.
71	Remote seal diaphragm	0-5 to 0-70 MPa {0-50 to 0-700 kgf/cm²}	G1-1/2 external thread (34 button diaphragm)	-0.05 to +70 MPa {-0.5 to +700 kgf/cm²}	-0.05, 70 MPa {-0.5, 750 kgf/cm²}	-0.05 MPa {-0.5 kgf/cm²}	65 MPa {650 kgf/cm²}
72		0-1.25 to 0-25 MPa {0-12.5 to 0-250 kgf/cm²}	G1-1/2 external thread (34 button diaphragm) or 2 in. ANSI wafer	-0.05 to +30 MPa {-0.5 to +300 kgf/cm²}	-0.05, 32 MPa {-0.5, 320 kgf/cm²}		28.75 MPa {287.5 kgf/cm²}
73		0-0.35 to 0-7 MPa {0-3.5 to 0-70 kgf/cm²}	2 in. -ANSI wafer	-0.05 to +10.5 MPa {-0.5 to +105 kgf/cm²}	-0.05, 14 MPa {-0.5, 140 kgf/cm²}		10.15 MPa {101.5 kgf/cm²}
74		0-0.175 to 0-3.5 MPa {0-1.75 to 0-35 kgf/cm²}	2 in. -ANSI wafer	-0.05 to +5.25 MPa {-0.5 to +52.2 kgf/cm²}	-0.05, 7 MPa {-0.5, 70 kgf/cm²}		5.075 MPa {50.75 kgf/cm²}
			80 mm-JIS30K flush diaphragm 100 mm-JIS30K extended diaphragm	-0.05 to +5.1 MPa {-0.5 to +51 kgf/cm²}	-0.05, 5.1 MPa {-0.5, 51 kgf/cm²}		4.925 MPa {49.25 kgf/cm²}
			3 in. -ANSI300 flush diaphragm 4 in. -ANSI300 extended diaphragm	-0.05 to +3.82 MPa {-0.5 to +37 kgf/cm²}	-0.05, 3.82 MPa {-0.5, 37 kgf/cm²}		3.525 MPa {35.25 kgf/cm²}
75		0-35 to 0-686 kPa {0-0.35 to 0-7 kgf/cm²}	80 mm-JIS10K flush diaphragm 100 mm-JIS10K extended diaphragm	-0.05 to +1.05 MPa {-0.5 to +10.5 kgf/cm²}	-0.05, 1.4 MPa {-0.5, 14 kgf/cm²}	-0.05 MPa {-0.5 kgf/cm²}	1.015 MPa {10.15 kgf/cm²}
			3 in. -ANSI150 flush diaphragm 4 in. -ANSI150 extended diaphragm				
76		0-10 to 0-196 kPa {0-01 to 0-2 kgf/cm²}	80 mm-JIS10K flush diaphragm 100 mm-JIS10K extended diaphragm	-0.05 to +0.3 MPa {-0.5 to +3 kgf/cm²}	-0.05, 0.4 MPa {-0.5, 4 kgf/cm²}		0.29 MPa {2.9 kgf/cm²}
			3 in. -ANSI150 flush diaphragm 4 in. -ANSI150 extended diaphragm				

Note) 1. Elevation + Span ≤ Max. span.

2. Refer to the annexed table about Max. working pressure on Remote seal diaphragm.

Item		Specifications	
Function			
Accuracy	Model No.	Measuring range	
	KFKB□□11/71	0-5 to 0- less than 10 MPa {0-50 to 0- less than 100 kgf/cm²}	0-10 to 0-70 MPa {0-100 to 0-700 kgf/cm²}
	KFKB□□12/72	0-1.25 to 0- less than 2.5 MPa {0-12.5 to 0- less than 25 kgf/cm²}	0-2.5 to 0-25 MPa {0-25 to 0-250 kgf/cm²}
	KFKB□□13/73	0-0.35 to 0- less than 0.7 MPa {0-3.5 to 0- less than 7 kgf/cm²}	0-0.7 to 0-7 MPa {0-7 to 0-70 kgf/cm²}
	KFKB□□14/74	0-0.175 to 0- less than 0.35 MPa {0-1.75 to 0- less than 3.5 kgf/cm²}	0-0.35 to 0-3.5 MPa {0-3.5 to 0-35 kgf/cm²}
	KFKB□□15/75	0-35 to 0- less than 68.6 kPa {0-0.35 to 0- less than 0.7 kgf/cm²}	0-68.6 to 0-686 kPa {0-0.7 to 0-7 kgf/cm²}
	KFKB□□16/76	0-10 to 0- less than 19.6 kPa {0-0.1 to 0- less than 0.2 kgf/cm²}	0-19.6 to 0-196 kPa {0-0.2 to 0-2 kgf/cm²}
	KFKB□□17	0-3.4 to 0- less than 6.66 kPa {0-25 to 0- less than 50 mmHg}	0-6.66 to 0-66.6 kPa {0-50 to 0-500 kgf/cm²}
	KFKB□□18	0-0.7 to 0- less than 1.33 kPa {0-5 to 0- less than 10 mmHg}	0-1.33 to 0-less than 9.3 kPa (*1) {0-10 to 0-less than 70 mmHg}
	KFKB□□25	0-35 to 0- less than 68.6 kPa abs. {0-0.35 to 0- less than 0.7 kgf/cm²} abs.	0-68.6 to 0-686 kPa abs. {0-0.7 to 0-7 kgf/cm²} [abs.]
	KFKB□□26	0-10 to 0- less than 19.6 kPa abs. {0-0.1 to 0- less than 0.2 kgf/cm²} abs.	0-19.6 to 0-196 kPa abs. {0-0.2 to 0-2 kgf/cm²} [abs.]
	KFKB□□27	0-3.4 to 0- less than 6.66 kPa abs. {0-25 to 0- less than 50 mmHg} abs.	0-6.66 to 0-66.6 kPa {0-50 to 0-500 mmHg} [abs.]
	KFKB□□28	0-0.7 to 0- less than 1.33 kPa abs. {0-5 to 0- less than 10 mmHg} abs.	0-1.33 to 0- less than 9.3 kPa abs. (*2) {0-10 to 0- less than 70 mmHg} [abs.]
	Transmission/Indication	±1.0%FS/±1.5%FS	±0.5%FS/±1.0%FS
	Repeatability	Within 0.3% FS	
	Dead Band	Within 0.1% FS	
Indication			
	Angle	44 degrees	
	Scale length	150 mm	
	Pointer	Process variable : Red Set-point value: Green	
	Output indicator (40 mm)	Scale range: 0 to 200 kPa {0 to 2 kgf/cm²}, Indicator accuracy: 3% FS	
Set-point Section			
	Local setting	Internal or external setting by setting knob	
	Remote setting	Pneumatic pressure setting of 20 to 100 kPa {0.2 to 1.0 kgf/cm²}	
	Setting range	0 to 100% FS	
Controller			
	Control action	P + Manual reset, PI, PID, PD + Manual reset, PI + Batch, On-Off, Differential gap, P + External reset, PD + External reset	
	Proportional band (P)	5-500% (direct or reverse action)	
	Integral (I)	0.05 to 30 min.	
	Derivative (D)	0.05 to 30 min.	
	Differential gap	1 to 100% FS, adjustable	
	Batch setting pressure	60 to 110 kPa {0.6 to 1.1 kgf/cm²}, adjustable	
	External reset pressure	20 to 100 kPa {0.2 to 1.0 kgf/cm²}	
	Manual reset	0 to 100% FS, adjustable (by pneumatic pressure setting.)	
General Specification			
	Output	20 to 100 kPa {0.2 to 1.0 kgf/cm²}, 0 or Corresponding to supply air pressure (when on-off or differential gap control action)	
	Minimum load	I.D. 4 mm × 3 m + 20 cm³	
	Supply air pressure	140 ± 14 kPa {1.4 ± 0.14 kgf/cm²}	
	Air consumption (50% output balanced)	Indicating transmitter : 5 L/min [normal] Indicating controller : 9 Lmin [normal] Indicating transmitting controller : 9 L/min [normal] Manual controller : +3 L/min [normal]	
	Maximum air deliver flowrate	Transmitter output : 40 L/min [normal] Controller Output : 40 L/min [normal] Manual control output : 30 L/min [normal]	
	Air connection	Rc 1/4 or 1/4 NPT internal thread	
	Ambient temperature	At meter body (process fluid) : -40 to +120 °C At transmitter (ambient) : -30 to +80 °C	
	Relative humidity	10-90% RH	
	Case, Door	Enclosure : Rain-tight and dust tight, NEMA 3, IEC IP 54 Materials : Case .....Aluminum die-cast Door .....Polyester with fiberglass Door-glass .....Reinforced glass (3 mm thick) Case finish : Acryl baking finish (for corrosion-resistant and silver finish, refer to the optional specification.) Color of finish : Case .....Light beige (munsell 4Y7.2 / 1.3) Door .....Light gray (munsell N8)	
	Mounting	Panel or 2 inch pipe mounting	
	Flange standard (and year)	JIS: JIS B 2220 (1984) ANSI: ANSI B16.5-88 JPI: JPI-7S-15-93	
	Weight	Approx. 11.8 kg (with Options)	

*Note) *1. Transmitting accuracy : ± 0.75%FS Indicating accuracy : ± 1.25%FS*
**2. Transmitting accuracy : ± 0.75%FS Indicating accuracy : ± 1.25%FS*

Optional Specifications

Item		Specifications
(1)	External SP setting knob (for local setting)	A setting knob is mounted on the door. SP can be adjusted from outside.
(2)	Built-in manual controller (with auto/manual transfer switch)	Consists of manual control regulator , two position transfer switch and balance check button.
(3)	Elevation, Suppression	Elevation : The lower limit of input range is above zero. Suppression : The lower limit of input range is below zero.
(4)	Pressure Regulator with air filter (RA1B) (not applicable to panel mounting type)	Pressure regulator with filter plus 40 mm pressure gauge. (supply pressure : 200 to 1035 kPa {2 to 10.55 kgf/cm^2}, output : 140 kPa {1.4 kgf/cm^2}, pressure gauge : 0 to 200 kPa {0 to 2 kgf/cm^2})

Optional Semi-standard and Special Specification

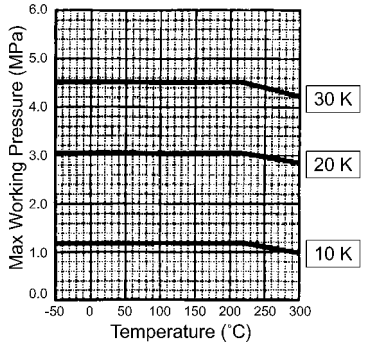
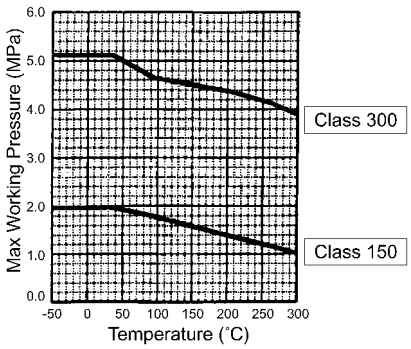
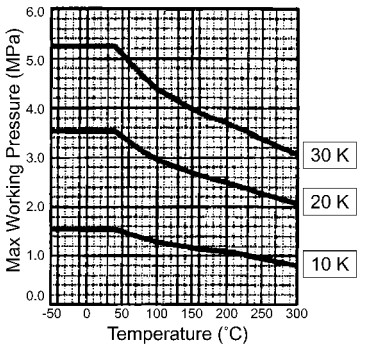
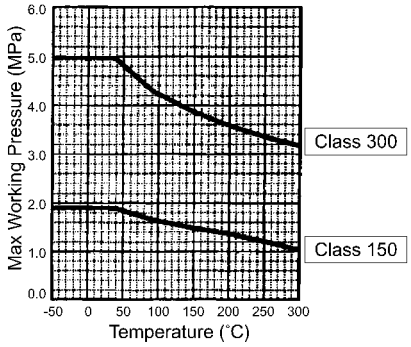
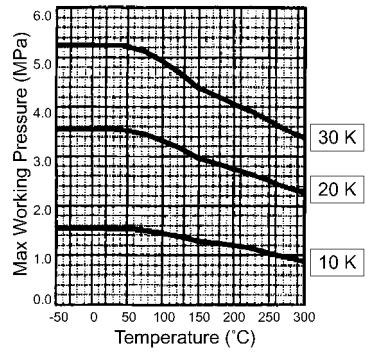
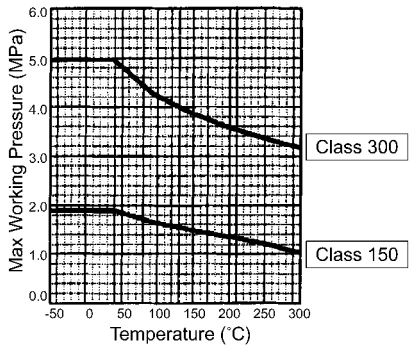
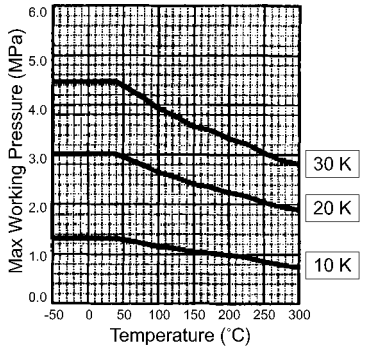
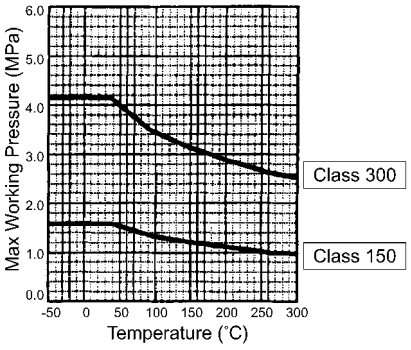
Item		Applicable Models	Specifications	
(1)	High temperature use (Y62)	Remote seal diaphragm type	Operating temperature : Fluid -10 to +280 °C (Up to 180 °C for Nickel copper alloy or Tantalum) Ambient -10 to +80 °C Sealing liquid : Special silicon oil (*1)	
(2)	Stainless steel bolts (Y66)	Model : KFKB□□-11 to16	SUS304 stainless steel is used for meter body fixing bolts.	
(3)	For oil-free (Y67)	Except remote seal diaphragm type	Liquid-contacting sections are degreased.	
(4)	Corrosion-resistant and silver finish (Y138)	All the KFKB models	Corrosion-resistant finish with baked acryl (Y138A): Resistant against corrosive gases. Corrosion-proof finish with baked epoxy resin (Y138B): Resistant against corrosive liquids. Regular silver finish with baked acryl (Y138C): To suppress temperature rise caused by direct sunlight or other cause. Corrosion-resistant silver finish with baked acryl (Y138D): To suppress temperature rise caused as above and to be resistance against corrosive gases. (note: silver finish is not resistant against alkaline gases.)	
(5)	For oxygen measurement (Y182)	Remote seal diaphragm type (when measuring element material is SUS316 or SUS316L)	Liquid-fill : Fluorine oil (Specific gravity 1.92 / 25 °C) Operating temperature (both fluid and ambient) : -10 to +60 °C Wet-parts treatment : Treated for degreasing (*1)	
(6)	For chlorine gas measurement (Y183)	Model : KFKB□□-74 to 76 (when measuring element material is tantalum.)	Liquid-fill : Fluorine oil (Specific gravity 1.92 / 25 °C) Operating temperature (both fluid and ambient) : -10 to +80 °C Wet-parts treatment : Treated for degreasing. (*1)	
(7)	Special order items (the items mentioned in the right are available as special order items.)	All the KFKB models	SP0039	Topicalization (Field and pneumatic instruments)
			SP0047	Stainless TAG No.plate
			SP0084	KF with door lock
			SP0085	KF with AUTO/MANUAL indicator
			SP0086	KF (transmitting type only) with output gauge
			SP0100-ITEM	Submittal of mil sheet for wetted parts.
			SP0106	5-point check
			SP0140	Submittal of documents in accordance with High Pressure Gas Safety Law
			SP0148-ITEM	Submittal of pressure withstanding and airtight test reports
			SP0153-ITEM	ϕ40 pressure gauge made with special scale.

*Note *1) Refer to page 5 for maximum working pressure*

Max working pressure

Note 1 : Max working pressure depends on flange rating, flange materials and operating temperature. Please refer to the following data.
Operating range of temperature depends on specification of transmitters.

Note 2 : In case of remote sealed type (KKP75, KFKB□□-75), Max working pressure depends on the smaller value of either 1.05 MPa or following data.

	JIS	JPI/ANSI
Carbon Steel		
SUS304		
SUS316		
SUS316L		

MODEL SELECTION

Basic model no.			Selectable specifications									
Type	Function	Control action	Type of detector	Cover, flange or mounting screw materials	Element materials	Flange or mounting screw rating	Capillary tube length	Length of extended parts of flange	Air connection length	Output pressure unit	Mounting method	Options
KFKB	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

I

0	Indicating transmitter
1	Indicating controller (local type)
2	Indicating transmitting controller (local type)
3	Indicating controller (cascade type)
4	Indicating transmitting controller (cascade type)

II

0	No selection	5	PI + Batch
1	P + Manual reset	6	On-Off
2	PI	7	Differential gap
3	PID	8	P + External reset
4	PD + Manual reset	9	PD + External reset

III

-11	Bourdon tube type	0-5 to 0-70 MPa {0-50 to 0-700 kgf/cm²}
-12	Bourdon tube type	0-1.25 to 0-25 MPa {0-12.5 to 0-250 kgf/cm²}
-13	Bourdon tube type	0-0.35 to 0-7 MPa {0-3.5 to 0-70 kgf/cm²}
-14	Bourdon tube type	0-0.175 to 0-3.5 MPa {0-1.75 to 0-35 kgf/cm²}
-15	Bellows type	0-35 to 0-686 MPa {0-0.35 to 0-7 kgf/cm²}
-16	Bellows type	0-10 to 0-196 kPa {0-0.1 to 0-2 kgf/cm²}
-17	Bellows type	0-3.4 to 0-66.6 kPa {0-25 to 0-500 mmHg}
-18	Bellows type	0-0.7 to 0-13.3 kPa {0-5 to 0-100 mmHg}
-25	Bellows type (abs. press.)	0-35 to 0-686 kPa abs. {0-0.35 to 0-7 kgf/cm²}
-26	Bellows type (abs. press.)	0-10 to 0-196 kPa abs. {0-0.1 to 0-2 kgf/cm²}
-27	Bellows type (abs. press.)	0-3.4 to 0-66.6 kPa abs. {0-25 to 0-500 mmHg}
-28	Bellows type (abs. press.)	0-0.7 to 0-13.3 kPa abs. {0-5 to 0-100 mmHg} abs.
-71	Remote seal diaphragm type	0-5 to 0-70 MPa {0-50 to 0-700 kgf/cm²}
-72	Remote seal diaphragm type	0-1.25 to 0-25 MPa {0-12.5 to 0-250 kgf/cm²}
-73	Remote seal diaphragm type	0-0.35 to 0-7 MPa {0-3.5 to 0-70 kgf/cm²}
-74	Remote seal diaphragm type	0-0.175 to 0-3.5 MPa {0-1.75 to 0-35 kgf/cm²}
-75	Remote seal diaphragm type	0-35 to 0-686 kPa {0-0.35 to 0-7 kgf/cm²}
-76	Remote seal diaphragm type	0-10 to 0-196 kPa {0-0.1 to 0-2 kgf/cm²}

IV

1	Carbon steel (SF440A) (applicable to type 17/18/2☐/7☐ detector excluding wafer type and diaphragm type)
2	SUS316 (except flange type and button diaphragm type)
7	SUS304 (applicable to type 7☐ detector except wafer)
8	SUS316L (applicable to type 7☐ detector except button diaphragm and flange)

V

2	SUS316 (seal diaphragm : SUS316L)	
3	Nickel copper alloy	(applicable to type 11-28 or 7☐ detector except extended flange, wafer and button diaphragm type)
4	Tantalum	
8	SUS316L (applicable to type 7☐ detector)	

VI

	Blank (applicable to type 1☐ or 2☐ detector)	
01	Flush diaphragm type 80mm-JIS 10K (RF) equiv. flange	(Applicable to type 7☐ detector)
02	Flush diaphragm type 80mm-JIS 30K (RF) equiv. flange	
03	Flush diaphragm type 3 in.-ANSI 150 (RF) equiv. flange	
04	Flush diaphragm type 3 in.-ANSI 300 (RF) equiv. flange	
05	Extended diaphragm type 100 mm-JIS 10K (RF) equiv. flange	
06	Extended diaphragm type 100 mm-JIS 30K (RF) equiv. flange	
07	Extended diaphragm type 4 in.-ANSI 150 (RF) equiv. flange	
08	Extended diaphragm type 4 in.-ANSI 300 (RF) equiv. flange	
09	2 in.-ANSI 1500 (RF) equiv. wafer	
11	PF 1-1/2 external thread (button diaphragm type)	

VII

	Blank (applicable to type 1☐ or 2☐ detector)
02	2m (applicable to type 7☐ detector)
03	3m (applicable to type 7☐ detector)
05	5m (applicable to type 7☐ detector)

VIII

	Blank (applicable to type 1☐ or 2☐ detector)
00	Applicable to flush diaphragm, wafer or button diaphragm type.
10	Length : 100 mm (applicable to extended diaphragm)
15	Length : 150 mm (applicable to extended diaphragm)

IX

A	Rc1/4 internal thread (instruction plate: Japanese)
B	1/4NPT internal thread (instruction plate: English)

X

1	0.2 to 1.0 kgf/cm²
2	3 to 15 psi
3	0.2 to 1.0 bar
4	20 to 100 kPa
8	19.6 to 98.1 kPa (equality to 0.2 to 1.0 kgf/cm²)

XI

P	Panel mounting (Pressure regulator with filter cannot be installed)
T	2-inch pipe mounting

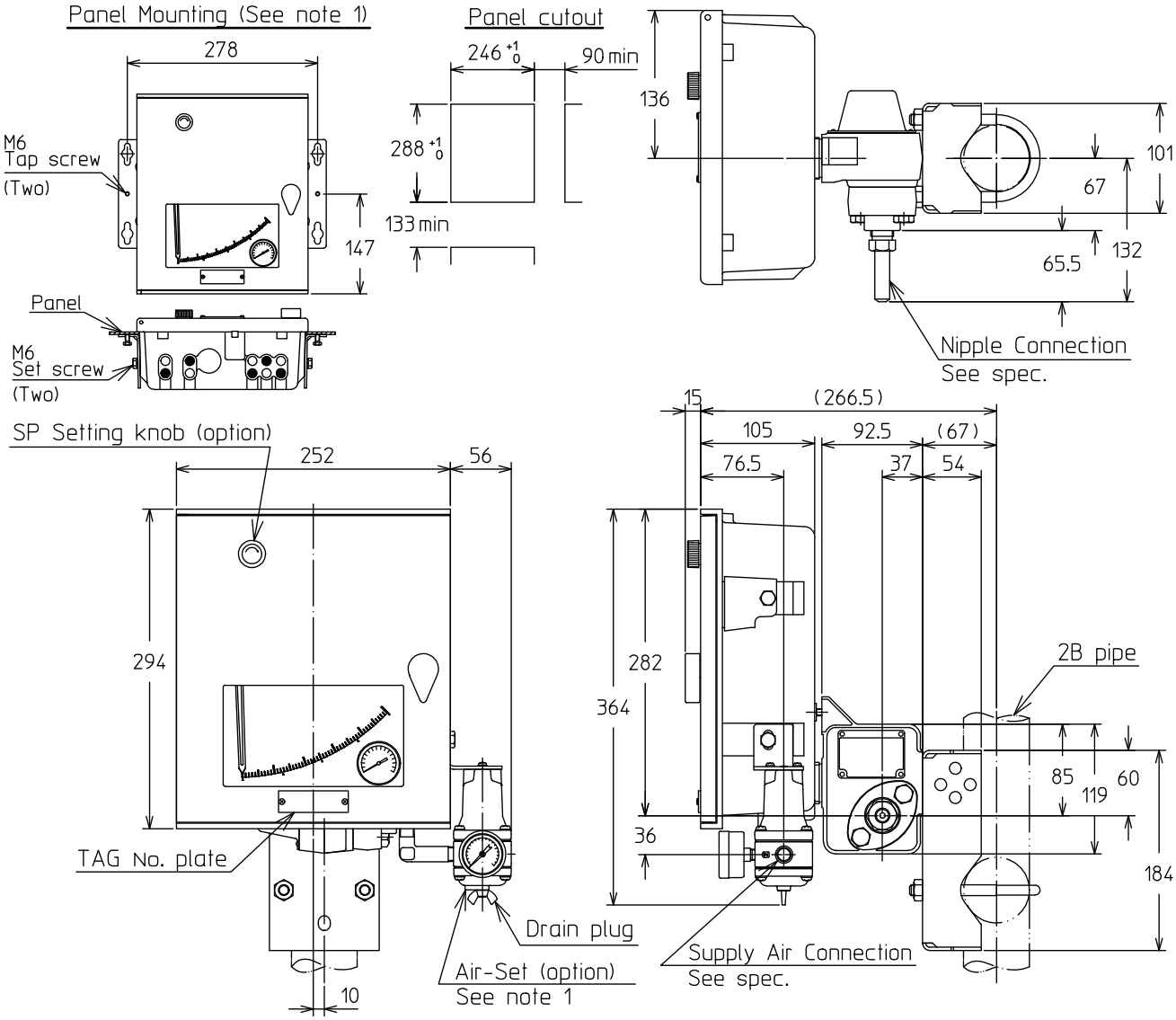
XII

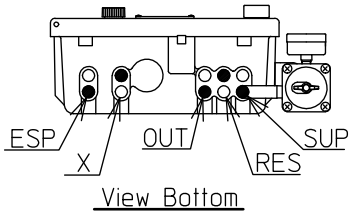
-X	No option
-M	Built-in manual controller (with auto/manual switch) (applicable to type 1, 2, 3, 4 controller.)
-K	With external SP setting knob (applicable to type 1, 2 controller)
-5	Elevation or high elevation
-6	Suppression
-R	Pressure Regulator with air filter (RA1B)

Note) When specifying semi-standard option (Y☐) not listed in model no table, please write as: KFKB12-1122A1T-M, K, 6, R (Y67, Y 138) (Please consult with factory in case of a multiple of "Y" spec. are required.)

DIMENSIONS

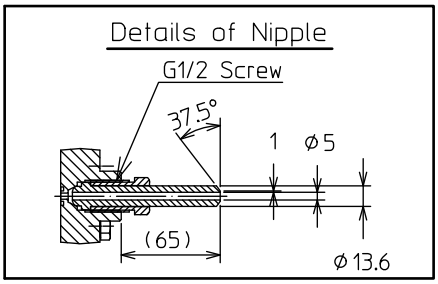
(Unit:mm)





Air Connection (See note 2,3)
○ Rc1/4
● 1/4NPT (Internal thread)

Legend
ESP : External set-point Signal
X : Transmitting Signal
OUT : Controlled output Signal
RES : External Reset Signal
SUP : Supply Air Pressure



Note)
1. The Air-set is not applicable to Panel Mounting type.
2. The Holes not to be used for Air Connection are plugged.
3. For Manual Reset Provision SUP and RES have been Preconnected.

This dimensions are of bourdon type detector. (detector model nos 11 to 14).
Caution must be taken to dimensions which depend on the shape of elements.
(refer to the reference specification sheets : SS2-KKP100-0100, SS2-KKP250-0100, SS2-KKP700-0100)

Flushing Ring

Model No.	DV-	I	II	III	IV	V	VI	-	VII

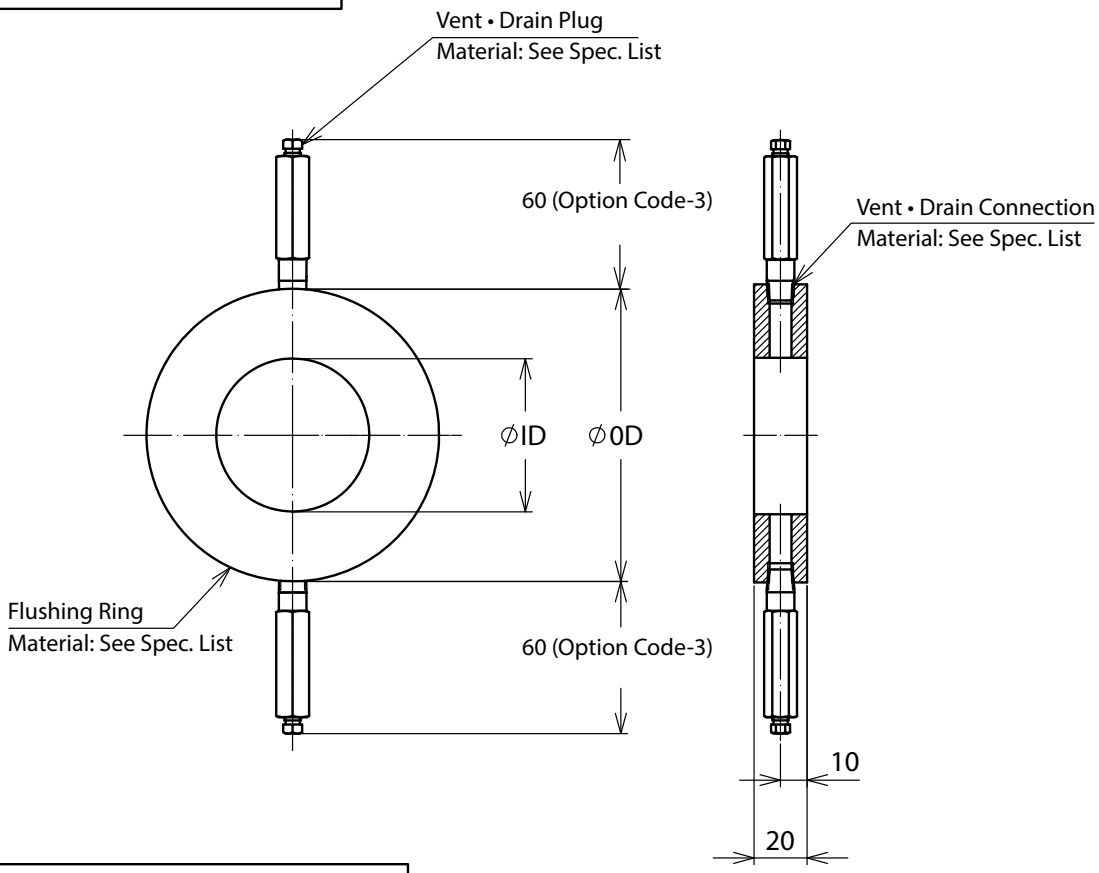
I	Flushing Ring quantity	For Flushing Ring 2 pieces	E
II	Ring material	316 SST	2
		316L SST	8
III	Flange rating	JIS10K	A
		JIS20K	C
		JIS30K	D
		JIS63K	F
		ANSI 150	G
		ANSI 300	H
		ANSI 600	J
		JPI 150	N
		JPI 300	P
		JPI 600	Q
IV	Flange size	3 in / 80A Ring type	B
		2 in. / 50A Ring type	C
V	Ring finish	None, Standard JISRa3.2 equivalent	X
VI	Screw size	Rc1/4	1
		1/4NPT	2
			-
VII	Options	Long Vent (60mm)*1	3
		Oil and water finish*2	5
		Oil free finish*2	6
		Mill certificate*2	7
		Strength calculation sheet*2	B
		Withstand pressure and air tight test (general-purpose use)*2	C
		Oil and water finish, high-grade*2	D

**1. Code 3:Long Vent (60mm) of Options must be selected.*

**2. When this option is selected, the same option for transmitter must be selected.*

DIMENSIONAL DRAWING

unit: mm



DIMENSIONS and WEIGHTS

Flange Size		Flange Type		0D	ID	Weight [kg]
Description	Code	Description	Code			
50A 2″	C	JIS10K/20K ANSI/JPI 150#	A,C,G,N	104	65	0.9
		JIS30K	D	114		1.2
		JIS63K	F	125		1.5
		ANSI/JPI 300#/600#	H,J,P,Q	110		1.0
80A 3″	B	JIS10K ANSI/JPI 150#	A,G,N	135	100	1.1
		JIS20K	C	140		1.3
		JIS30K	D	150		1.6
		JIS63K	F	163		2.1
		ANSI/JPI 300#/600#	H,J,P,Q	148		1.5

–Memo–

–Memo–

Ordering Information

When ordering, please specify;

1) Model No.
2) Pressure range
3) Options

Please read “Terms and Conditions” from the following URL before ordering and use.

https://www.azbil.com/products/factory/order.html

Specifications are subject to change without notice.

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