Differential Pressure Indicating Controller

Model KFDB

OVERVIEW

Model KFDB Differential Pressure Indicating Controllers (adjustable range type) indicate and control a process variable by converting its differential-pressure change into mechanical displacement of a torque tube or a torque arm.

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 KDP_ __.

SPECIFICATIONS

Standard specification

	Item			Specifications											
Dete	ector S	Section													
N N	íodel ío.	Type of detector	Measuring range (continuously adjustable)	Process connection	Pressure limit	Overload protection	Suppression (max.)	Elevation (max.)							
	11	Standard type	0-25 to 0-500 kPa {0-2,500 to 50,000 mm H ₂ O}	Rc 1/2 or 1/2 NPT internal thread {center to center : 54 mm}	or 1/2 NPT internal thread : to center : 54 mm} -50 kPa to +10 MPa {-0.5 to +100 kgf/cm²} To 10 MPa {100 kgf/cm²} in either direction.		500 kPa {50,000 mm H ₂ O}	475 kPa {47,500 mm H ₂ O}							
	22		0-2.5 to 0-53.9 kPa {0-250 to 5,500 mm H ₂ O}		{-0.1 to +15 kgf/cm ² }		53.9 kPa {5,500 mm H ₂ O}	51.4 kPa {5,250 mm H ₂ O}							
	33		0-0.5 to 0-6 kPa {0-50 to 600 mm H ₂ O}	Rc 1/2 or 1/2 NPT internal thread (center to center : 54 mm, PVC cover : 71 mm)	-50 kPa to +3.5 MPa {0.5 to 35 kgf/cm ² } PVC cover : -10 kPa to +1 MPa {-0.1 to +10 kgf/cm ² }	To 3.5 MPa {35 kgf/cm ² } in either direction.	6 kPa {600 mm H ₂ O}	5.5 kPa {550 mm H ₂ O}							
	44		0-0.1 to 0-1.2 kPa {0-10 to 120 mm H ₂ O}	Rc 1/2 or 1/2 NPT internal thread (center to center : 54 mm)	-1.5kPa to + 0.5 MPa {-150mm H ₂ O to +5 kgf/cm ² }	To 0.5 MPa {5 kgf/cm²} in either direction.	1.2 kPa {120 mm H ₂ O}	1.1 kPa {110 mm H ₂ O}							
	61	Flange type	0-25 to 0-500 kPa {0-2,500 to 0-50,000 mm H ₂ O}	HP side : Flange Flush diaphragm type : 80 mm -JIS10K, 30K(RF) equiv. flange 3 in. ANSI 150, 300(RF) equiv. flange Extended diaphragm type :	-50 kPa {-0.5 kgf/cm ² } to maximum flange rated pressure. (PVC cover : -10 kPa to +1.5 Mpa [-0.1 to +15 kcf/cm ²]	To maximum flange rated pressure in either direction.	500 kPa {50,000 mm H ₂ O}	475 kPa {47,500 mm H ₂ O}							
	62		0-2.5 to 0-53.9 kPa {0-250 to 0-5,500 mm H ₂ O}	100 mm-JIS10K, 30K(RF) equiv. flange 4 inANSI150, 300(RF) equiv. flange Length of extended part : 100 or 150 mm LP side : Rc 1/2 or 1/2 NPT internal hread	or maximum flange rated pressure.		53.9 kPa {5,500 mm H ₂ O}	51.4 kPa {5,250 mm H ₂ O}							
	71	Remote seal dia phragm type	0-25 to 0-500 kPa {0-2,500 to 0-50,000 mm H ₂ O}	Flange connection(both HP and LP side) Flush diaphragm type : 80 mm -JIS10K, 30K(RF) equiv. flange 3 in ANSI 150, 300(RF) equiv. flange Extended diaphragm type:	-50 kPa {-0.5 kgf/cm ² } to maximum flange rated pressure.	To maximum flange rated pressure in either direction.	500 kPa {50,000 mm H ₂ O}	475 kPa {47,500 mm H ₂ O}							
	72		0-25 to 0-53.9 kPa {0-250 to 0-5,500 mm H ₂ O}	100 mm -JIS10K, 30K(RF) equiv. flange 4 inANSI150, 300(RF) equiv. flange Length of extended part : 100 or 150 mm			53.9 kPa {5,500 mm H ₂ O}	51.4 kPa {5,250 mm H ₂ O}							
	81	High Static pressure type	0-25 to 0-500 kPa {0-2,500 to 0-50,000 mm H ₂ O}	Rc 1/4 or 1/4 NPT internal thread (center to center : 64 mm) When with manifold 1/2 in. socket welding (center to center : 110 mm)	-50 kPa to +42 MPa {-0.5 to 420 kgf/cm²}	42 MPa {420 kgf/cm ² } in either direction.	500 kPa {50,000 mm H ₂ O}	475 kPa {47,500 mm H ₂ O}							
	82		0-2.5 to 0-53.9 kPa {0-250 to 0-5,500 mm H ₂ O}				53.9 kPa {5,500 mm H ₂ O}	51.4 kPa {5,250 mm H ₂ O}							

 $Note) \quad 1. \ Elevation + Span \leq Maximum \ span, \ Suppression \leq Maximum \ span.$

2. Refer to the annexed table about Max. working pressure on Flange and remote seal type.

Standard Specification (Continued)

No. SS2-KFD100-0200

Item					Specificat	ions						
Fur	oction											
			Modenl No		Measuring Bange kPa (mmH ₂ O)						
		Acc			Medsannig hange ki a (
				$0 = 25$ to 0-less than 50 {0-2 500 to	0-less than 5 000}	$0 = 50 \text{ to } 0 = 500 \{0 = 5,000 \text{ to } 0 = 50,000\}$						
	$KEDB \square \square 22$			0 = 2.5 to 0 less than 55 (0 2,500 to -2.5 to 0 less than 5 (0 -2.50 to 0 -	less than 5001	$0 = 5 \text{ to } 0 = 53,9 \{0 = 500, \text{ to } 0 = 55,000\}$						
			Transmitting / Indicating	$\pm 0.75 / \pm 1.0 (\pm 1.25) \% E^{*1}$		+ 0.5 / + 1.0 % ES						
				$\pm 0.737 \pm 1.0 (\pm 1.23) \% F3^{-1}$	and then 100]	$\pm 0.57 \pm 1.0\%$ FS						
				$0 - 0.5$ to 0-less than 1 {0-50 to 0-less	line them 20)	0 - 1 (0 0 - 6 (0 - 100 (0 0 - 600))						
				0 - 0.1 to 0-less than 0.2 {0-10 to 0-	0 loss than 5 000)	$0 - 0.2 \ 10 \ 0 - 0.2 \ \{0 - 20 \ 10 \ 0 - 20\}$						
			KFDB	0 - 25 to 0-less than 50 {0-2,500 to	0-less than 5,000}	0 - 50 to 0 - 500 {0 - 5,000 to 0 - 50,000}						
			KFDBLL 62, 72, 82	0 - 2.5 to 0-less than 5 {0-250 to 0-	less than 500}	0 - 5 to 0 - 53.9 {0 - 500 to 0 - 5,5000}						
			Transmitting / Indicating	± 1.0 % FS / ±1.5 % FS		± 0.5 % F8 / ± 1.0 % F8						
		Not	e) *1 : When with elevation or s	suppression.								
	Repea	tabi	lity	Within 0.3 % FS								
	Dead I	Band	d	Within 0.2 % FS								
Ind	ication											
	Angle			44 degrees								
	Scale I	eng	th	150 mm								
	Pointe	r		Process variable : Red, Setpoint	value : Green							
	Outpu	t ind	dicator (40 mm)	Scale range : 0 to 200 kPa {0 to 2 k	gf/cm ² }, Indicator accuration	y:±3%FS						
Set	-point !	Sect	ion									
	Local	setti	ng	Internal or external setting by setti	ing knob.							
	Remot	te se	etting	Pneumatic pressure setting of 20 to	o 100 kPa {0.2 to 1.0 kgf/cm ² }							
	Settin	g rar	nge	0 to 100 % FS								
Сог	ntroller	<u> </u>	5									
	Contro	ol ac	tion	P+ Manual reset, PI, PID, PD + Manual reset, PI + Batch, On-Off, Differential gap,								
				P+ External reset, PD, + External reset								
	Propo	rtior	nal band (P)	5 - 500 % (direct or reverse action))							
	Intear	al (I)		0.05 to 30 min.								
	Deriva	tive	(D)	0.05 to 30 min.								
	Differe	ntia	l gap	1 to 100 % FS, adjustable								
	Batch	setti	ing pressure	$60 \text{ to } 110 \text{ kPa} \{ 0.6 - 1.1 \text{ kgf/cm}^2 \}$								
	Extern	al re	eset pressure	$20 \text{ to } 100 \text{ kPa} \{ 0.2 - 1.0 \text{ kg/cm}^2 \}$								
	Manua	alre	set	0 to 100 % FS adjustable (by pneu	matic pressure setting)							
Gei	neral Sr	hecif	fication	o to 100 /010, adjustable (0) priod	inacte pressure secting,							
	Outpu	t		20 to 100 kPa $\{0, 2 \text{ to } 1, 0 \text{ kgf/cm}^2\}$	0 or Corresponding to supply air	pressure (on-off, differential gap)						
	Minim	um	load	$ID_{4} \text{ mm} \times 3 \text{ m} + 20 \text{ cm}^{3}$, o or corresponding to suppry an	(on on, and ong ap)						
	Supply	/ air	pressure	$140 + 14 \text{ kPa} \{14 + 0.14 \text{ kg/cm}^2\}$								
	Air cor	nsun	notion	Indicating transmitter	· 5 I /min [normal]							
	(50% c	outo	ut balanced)	Indicating controller	: 9 L/min [normal]							
	(50/00	sacp		Indicating transmitting controller	: 9 L/min [normal]							
				Manual controller	: +3 I /min [normal]							
	Mavin	um	air deliver flowrate	Transmitter output	: 40 L/min [normal]							
	1 VIUXIII	lann		Controller output	: 40 L/min [normal]							
				Manual controllor output	: 40 L/IIIII [II0IIIIa]							
	Aircor		tion	Re 1/4 or 1/4 NPT internal thread	: 50 L/IIIII [II0IIIIai]							
	An Cor	inec	amparatura	RC 1/4 OF 1/4 NP1 Internal thread	. 40 to 1 120 %C (DVC annum)	1 to 55 %)						
	AMDIE	ent to	emperature	At transmitter (ambient)	: -40 to +120 °C (PVC cover: 0 : -30 to +80 °C							
Relative humidity 10 to 90 % RH												
	Case, I	Dool	r	Enclosure : Rain-tight and dust-tig	ght, NEMA 3, IEC IP 54							
				Materials : Case	Aluminum die-case							
				Door	Polyester with fiberglass							
				Door glass	Reinforced glass (3 mm thick)							
				(for corrosion-resistar	nt and silver finish, refer to the opt	ional specification)						
				Color of finish : Case	Light beige (munsell 4Y7.	2 / 1.3)						
	Door Light gray (munsell N8)											
	Moun	ting		Panel, 2 in. pipe or flange mountin	ng.							
	Flange	e sta	ndard (and year)	JIS : JIS B 2220 (1984)								
				JPI: JPI-7S-15-93								
	Weigh	t		15.8 kg (with options)								

	ltem	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 })							
(5)	High accuracy type	Model No.	Measuring span kPa{mmH ₂ O}	Accuracy					
		KFDB -11	50 to less than 500 {5,000 to less than 50,000}	+0.25.0% (+0.275.0%)*1					
		5 to less than 25 {500 to less than 2,500}	10.23 % (10.373 %)						
		KFDB -11	25 to less than 50 {2,500 to less than 5,000}	+0.5.% (+0.75.%)*1					
		KFDB -22	2.5 to less than 5 {250 to less than 500}	±0.5 /0 (±0.75 /0) ·					

Note) *1: When with elevation or suppression.

Optional Semi-standard and Special Specification

	Item	Applicable Models	Specifications									
(1)	Vacuum use (Y23)	KFDB□□ - 11, 22, 6□, 7□, 8□	Relation of Process temperature and Pressure									
(2)	High temperature use (Y62) High temperature-Vacuum use (Y62+Y23)	(Fig 1.) KFDB□□ - 33 (Fig 2.) KFDB□□ - 7□ (Fig 3.) KFDB□□ - 7□ (Fig 4.)	Figure 1. i = 1 i = 1									
			For details, please contact your Yamatake-Honeywell agent.									
(4)	Stainless steel bolts (Y66)	KFDB□□-11, 22, 33, 6□, 8□	SUS304 stainless steel is used for meter body fixing bolts. Max. operating pressure : [MPa] SF440A SUS316 Nickel copper alloy PVC KFDB□□ - 11, 22, 6□ 6 6 6 1.5									
			KFDB - 33 2.5 2.5 1									
(5)	Corrosion resistant and silver finish (Y138)	All the KFDB models	KFDBLIL - 8L 23 23 - - 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.									
(6)	Variable damping	KFDB□□-11, 22, 33,	Time Constant :									
	mechanism (Y169)	6□, 7□, 8□ (when measuring element material is SUS316 or SUS316L.)	Model No. Time constant (continuously variable) Min. Max. KFDB□ -11, 22, 6□, 8□ 0.5 sec. or less 30 sec. or over KFDB□ -33 2 sec. or less 30 sec. or over KFDB□ -7□ 6 sec. or less 50 sec. or over									
(7)	Rear connection for process	KFDB□□-11, 22	Applicable only when cover material is carbon steel or SUS 316									
(8)	piping (Y171) For oxygen measurement (Y182)	All the KFDB models (when measuring element material is SUS316 or SUS316L.)	installation method is limited to that on a 2-inch horizontal pipe) .iquid fill : Fluorine oil Dperating temperature (both fluid and ambient) : -10 to +60 °C Wet-part treatment : Treated for degreasing									
(9)	For chlorine gas measurement (Y183)	KFDB□□-11, 22, 33, 6□, 7□, 8□ (when measuring element material is tantalum.)	Liquid fill : Fluorine oil Operating temperature (both fluid and ambient) : -10 to +80 °C Wet-part treatment : Treated for degreasing									
(10)	Special order items (the items mentioned in the right are available as special order item.)	All the KFDB models	SP0039 Topicalization (Field and pneumatic instruments) SP0047 Stainless TAG No. plate SP0080 Oil free finish 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 I SP0148-ITEM Submittal of pressure withstanding and airtight test reports SP0153-ITEM Ø40 pressure gauge made with special scale.									

No. SS2-KFD100-0200

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parts for high temperature and temperature of wetted parts for high temperature and vacuum use (Type of detector: 71/72)

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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 : The maximum operating pressure of flange type models (KFDB__-61/62) is 1.05 MPa or the value in the graph, whichever is smaller.
- Note 3 : The maximum operating pressure of the remote seal diaphragm models (KFDB_-71/72) is 4.0 MPa or the value in the graph, whichever is smaller.



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MODEL SELECTION

	Basic model no.							Selections										
Туре		Function	Control	Type of	Cover o ma	r flange iterial	<u>*</u> 1	Pressure mat	element erial	Flange	Cap tu	oillary ube	Length of extended	Air	Pressure unit /	Mounting	Options	
			uction		HP*2	LP*	3	HP	LP	luting	ler	ngth	part of flange	connection	Output	method		
KF	DB	Ι	II	III	IV	V		VI	VII	VIII]	IX	Х	XI	XII	XIII	XIV	
Ι	0	Indicating	transmitte	er						VII	2	SUSE	316 (diaphragm : SU	US316L, SUS310	5 in case of t	ype 44)		
	1	Indicating	controller	•			(le	ocal type)			3	Nick	el copper alloy (excl	uding type 44	and extended	l diaphragm	of 7□	
	2	Indicating	, transmitti	ing controll	er		(lo	ocal type)				detec	ctor.)					
	3	Indicating	, controller	•			(c	ascade typ	oe)		4	Tanta	alum (excluding typ	e 44 and exten	ded diaphrag	gm of 7⊔ de	tector.)	
	4	Indicating	; transmitti	ing controll	er		(c	ascade typ	oe)		8	SUSE	316L (excluding type	e 44 detector.)				
п	0	No selecti	on			5 PI +	⊾ Batc	b		VIII			Blank (applica	icable to type 11, 22, 33, 44, or 8 detector)				
11	1	P + Manu	al reset			6 On-	- Off				1	80 m	nm-JIS 10K (RF) equ	iv. flange				
	2	PI	urreset			7 Diff	ferent	ial gap			2	80 m	nm-JIS 30K (RF) equ	(RF) equiv. flange			or 7	
	3	PID				8 P +	Exter	nal reset			3	3 in.	-ANSI 150 (RF) equ	uiv. flange	Flush diap	onragm type	U.	
	4	PD + Man	ual reset			9 PD	+ Ext	ernal reset	t		4	3 in.	inANSI 300 (RF) equiv. flange				pe is ecto:	
		I I			I			-			5	5 100 mm-JIS 10K (RF) equiv. flange					le tyj det	
III	11	Standard t	type		0)-25 to 0	to 0-5	kPa 50 000 mm	$H_{1}O$		6	100 r	mm-JIS 30K (RF) ec	uiv. flange	diaphragm	icabl		
	22	Standard t	type)-2.5 to (0-53.9	kPa	111203		7	4 in.	-ANSI 150 (RF) equ	iv. flange	type		Appl	
			71		{	0-250 to	0-50	,000 mm l	H ₂ O}		8	4 in	-ANSI 300 (RF) equ	iv. flange)		7	
	33	Standard t	type		0)-0.5 to (0-6 kF	Pa mm Ц О	1	IX		Blan	k (applicable to type	2 11, 22, 33, 44,	6□ or 8□ d	etector)		
	44	Standard t	vpe		1	-0.1 to (0-000	hini 1120	ş		02	2 m ((applicable to type 7	detector.)				
		otuntunu	.)P°		ł	{0-10 to 0-120 mm H ₂ O}					03	3 3 m (applicable to type 7 detector.)						
	61	Flange typ	<i>be</i>		()-25 to 0	1 H2O}		05	5 5 m (applicable to type 7 detector.)								
	62	Flange typ	be		(0-2.5 to 0-53.9 kPa				х		Blan	k (applicable to type	2 11, 22, 33, 44,	or 8□ detec	tor)		
						{0-250 to 0-5,500 mm H ₂ O}					00	Appl	licable to flush diaph	le to flush diaphragm, wafer and button diaphragm type.)				
	71	Remote se	al diaphra	gm type		0-25 to 0-500 kPa {0-2,500 to 0-50,000 mm H ₂ O}					10	100 r	mm (applicable to e	xtended diaphr	agm of type	6□ or 7□ d	etector.)	
	72	Remote se	al diaphra	gm type))-2.5 to (0-53.9	kPa	1.01		15	150 r	mm (applicable to e	xtended diaphr	agm of type $6\square$ or $7\square$ detector.)			
	81	High stati	c pressure	type	()-25 to 0)-500 l	kPa 50 000 mm	n H ₂ O}	XI	A	Rc 1/ Japar	./4 internal thread (When this option chosen, instruction pla unese version.)				ate becomes	
	82	High stati	c pressure	type	(-25 to 0)-53.9	kPa	.01		B 1/4 NPT internal thread (When this option chosen, instruction becomes Japanese version.)					instruction	plate	
					ין	0-230 10	50-5,2	500 mm 11	1201	VII		0.24	a 1.0 haf/am?					
IV	1	Carbon st	eel (SF440.	A)						ЛП	2	0.2 to	15 pci					
	2	SUS316 (a	pplicable t	ype 11, 22,	33, 44, or	8 dete	ctor.)				3	0.2 to	o 1 0 bar					
	3	Nickel cop	SUS316) (JS316) (applicable to type 11, 22, or 33					4	4 20 to 100 kPa								
	5	5 Rigid PVC (applicable type 11, 22, 33 de					detector.)					19.6	to 98.1 kPa (equality	gf/cm ²)				
	7	SUS304 (a	pplicable t	o type 6 d	or 7 dete	detector.)						-						
17			1 (05 4 40							XIII	P	Pane	el mounting (not app	plicable to with	air-set.)			
v	1	Carbon st	eel (SF440.	A)	22 44 6		dataat	hom)			T	2 in.	pipe mounting	11	(2.1.4.4			
	2	SUS316 (applicable type 11, 22, 33, 44, 6 or 8 detector.)				F	Flang	ge mounting (applic	able to type 61	or 62 detect	or.)							
	5	(applicable	e to type11	, 22, 33 or 6	$5\Box$ detecto	or.)				XIV	-X	No s	election					
	5	Rigid PVC	C (applicab	le type 11, 2	2 11, 22, 33 or 6□ detector.)						-M	Built (app	t in manual controlle	er (with auto/m 3. 4 controller)	anual transf	er switch)		
	7	SUS304 (a	ipplicable t	o type 7⊔ o	aetector.)	r.) -K With external SP setting knob (applicable to type 1, 2, 5, 4 controller.)							2 controller.)				
VI	2	SUS316 (d	liaphragm	: SUS316L,	SUS316 in	n case of	type	44)			-5	Eleva	ation	. 11	/1		-	
	3	Nickel cop	oper alloy (excluding t	ype 44 and	d extend	ed dia	aphragm o	of 6□ or		-6	Supp	pression					
	4	7 detect	or.)	. Anna . 4.4 .	d	1 .1:1.		.f. (-R	Press	sure Regulator with	air filter (RA1I	3)			
	4	detector.)	(excluding	type 44 an	u extended	1 diaphra	agm c	ы 6∟ or 7										
	8	SUS316L	(excluding	type 44 det	ector.)													

Note) 1. For material of cover and flange.

*1. Cover material denote for detector type 11/22/33/44/61 LP^{*3}/62LP^{*3}/81 or 82. Flange materials denote for detector type 61HP^{*2}/62HP^{*2}/71 or 72.

*2. For detector type 61 or 62 : Flange material

*3. For detector type 61 or 62 : Chamber cover material

2. When specifying semi- standard option (Y \square) not listed in model no. table,

please write as : KFDB11Y-112222A1T-M,K,6,R (Y66,Y138). Please consult with factory in case of a multiple of "Y" spec. are required.

(Unit:mm)

DIMENSIONS



Preconnected.

This dimensions are of bourdon type detector. (detector model 11/22). Caution must be taken to dimensions which depend on the shape of elements. (refer to the reference specification sheets : SS2-KDP100-0100: SS2-KDP600-0100, SS2-KDP700-0100)

D

Flushing Ring

	Model No		DV _	T	П	Ш	IV	V	VI	_	VII
	hiodel 100.		DV	-			1 1	•	• 1		• 11
Ι	Flushing Ring quantity	For Flushing Ring 1 piece (KFDB61/62)		Н	1						
		For Flushing Ring 2 pieces (KFDB71/72)		E	1						
II	Ring material	316 SST			2	1					
	-	316L SST			8						
III	Flange rating	JIS10K				Α					
		JIS20K				С					
		JIS30K				D					
		JIS63K				F					
		ANSI 150				G					
		ANSI 300				Η					
		ANSI 600				J					
		JPI 150				N					
		JPI 300				Р					
		JPI 600				Q					
IV	Flange size	3 in / 80A Ring type					В				
V	Ring finish	None, Standard JISRa3.2 equivalent						Х			
VI	Screw size	Rc 1/4							1		
		1/4 NPT							2		
										—	
VII	Options	Long Vent (60 mm) ^{*1}									3
		Oil and water finish ^{*2}									5
		Oil free finish ^{*2}									6
		Mill certificate ^{*2}									7
		Strength calculation sheet ^{*2}									В
		Withstand pressure and air tight test (general-purpose use))*2								C

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

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

Oil and water finish, high-grade^{*2}

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No. SS2-KFD100-0200



DIMENSIONS and WEIGHTS

Flange Size		Flange Type	00		Weight	
Description	Code	Description	Code	00		[kg]
		JIS10K ANSI/JPI 150#	A,G,N	135		1.1
		JIS20K	С	140		1.3
80A 2″	В	JIS30K	D	150	100	1.6
5		JIS63K	F	163		2.1
		ANSI/JPI 300#/600#	H,J,P,Q	148		1.5

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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