

Bellows pumps KB series



KB type



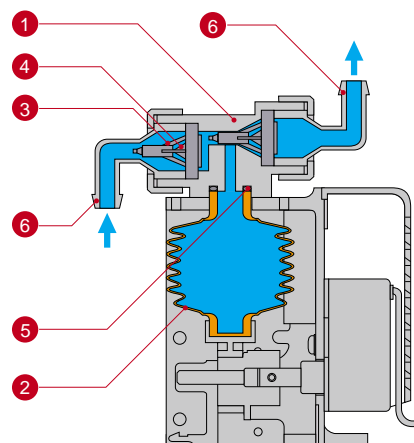
KBA type



KBR type

Persuit of compact-size and cost-effectiveness

The IWAKI bellows pump KB series (KB, KBA & KBR) is chemical feed pump which features the simplest structures and low cost. KBA and KBR, developed by pursuing compact-size and facilities which are used in the small flow range. Since all waste is eliminated and high reliability is ensured, KB series is suitable to various applications such as chemical feeding units, food processing machinery and analytical equipment in addition to quantitative chemical feeding to automatic photo developing machines.



Above illustration shows KBR type.

Wet-end Materials

Parts	Material
1 Pump head	GFRPP
2 Bellows	PP
3 Poppet Valve A	PP
4 Poppet Valve B	EPDM FKM
5 O-Ring	EPDM FKM
6 Inlet and Outlet	GFRPP

Note : Only FKM is available for KBR-0 type.

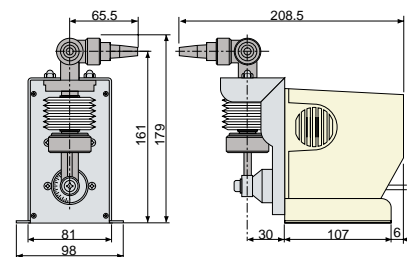


KB type

Specifications

Type	Model	Max.Capacity mL/min		Stroke rate spm		Max. Pressure MPa	Connection I.D. mm	Motor output W 50,60Hz
		50Hz	60Hz	50Hz	60Hz			
Simplex	KB-3X	1450	1740	110	132	0.03	12	3.2
	KB-4N	2150	2550	40	48	0.03	12	25
Duplex	2KB-3X	1450x2	1740x2	110	132	0.03	12	3.2

Dimensions in mm

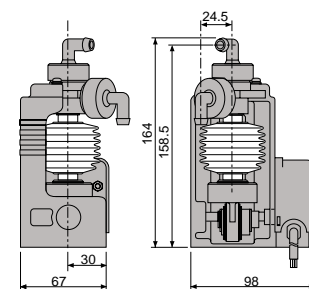


KBA type

Specifications

Type	Model	Max.Capacity mL/min		Stroke rate spm		Max. Pressure MPa	Connection I.D. mm	Motor input W 50,60Hz
		50Hz	60Hz	50Hz	60Hz			
Simplex	KBA-1Z	29	35	10	12	0.04	9	3.5
	KBA-2Z	62	75	10	12	0.04	9	3.5
	KBA-3Z	119	141	10	12	0.03	9	3.5
	KBA-3Y	146	175	12.5	15	0.02	9	3.5
	KBA-3X	232	278	20	24	0.01	9	3.5
	KBA-3V	300	360	30	36	0.01	9	4.5
Duplex	2KBA-1Z	29x2	35x2	10	12	0.03	9	3.5
	2KBA-2Z	62x2	75x2	10	12	0.03	9	3.5
	2KBA-3Z	119x2	141x2	10	12	0.02	9	3.5
	2KBA-3Y	146x2	175x2	12.5	15	0.01	9	3.5
	2KBA-3X	232x2	278x2	20	24	0.01	9	4.5
	2KBA-3V	300x2	360x2	30	36	0.01	9	4.5
Triplex	3KBA-1Z	30x3	36x3	10	12	0.02	9	3.5
	3KBA-2Z	64x3	77x3	10	12	0.02	9	3.5
	3KBA-3Z	119x3	143x3	10	12	0.02	9	3.5
	3KBA-3Y	146x3	175x3	12.5	15	0.01	9	3.5
	3KBA-3W	216x3	259x3	18	21.6	0.01	9	4.5

Dimensions in mm

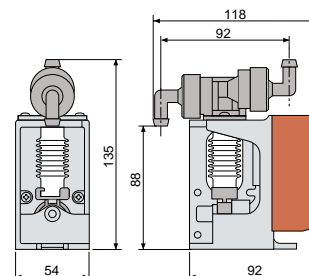


KBR type

Specifications

Type	Model	Max.Capacity mL/min		Stroke rate spm		Max. Pressure MPa	Connection I.D. mm	Motor input W 50,60Hz
		50Hz	60Hz	50Hz	60Hz			
Simplex	KBR-0Z	4.1	4.9	10	12	0.01	4	3.5
	KBR-0X	8.2	9.8	20	24	0.01	4	4.5
	KBR-1Z	17	20	10	12	0.01	9	3.5
	KBR-1X	34	40	20	24	0.01	9	4.5
	KBR-2Z	25	30	10	12	0.01	9	3.5
	KBR-2X	50	60	20	24	0.01	9	4.5
	KBR-3Z	90	108	10	12	0.01	9	3.5
	KBR-3X	180	216	20	24	0.01	9	4.5

Dimensions in mm



All illustrations above show "simplex" type.

Notes

- (1) Max.flow rate shown above is value under following conditions. • Clear water 20°C. • Discharge side is fully open.
- (2) Flow rate is varied by liquid temp.
- (3) Max.discharge pressure shown on above table is value when suction lift is 0 m.
- (4) Liquid temperature : KB:0-60°C, KBA:0-40°C, KBR:0-40°C
- (5) Ambient temperature : 0-40°C(10-40°C for 3KBA-3W 220/240V, 5-40°C for KBR)