

CHEMIPON[®] B Series BX

Diaphragm type metering pump



PTFE



SUS



PVC

CHEMIPON[®]B Diaphragm Type Metering Pump - Series BX

Maximum discharge capacity reaches more than **2 L/min**

NIKKISO EIKO developed BX series with the experienced technologies and the customer's advantages.

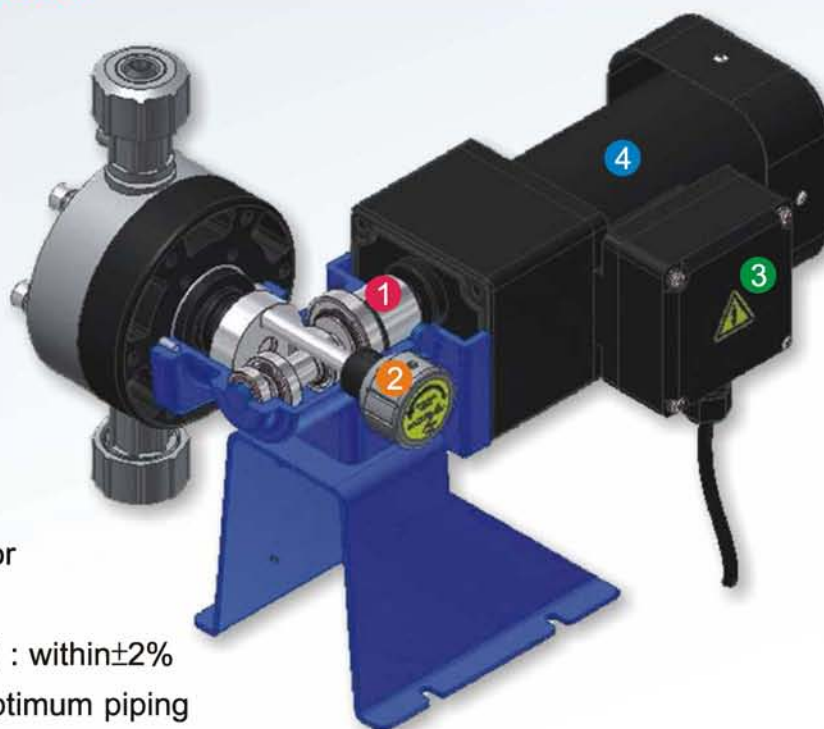
① Double cam design, stable operation.

② Manual control is easy.

③ Cover with wire box.

④ Motor temp. class F

Protection: IP55



FEATURE

- ★ Compact, easy to install
- ★ Various materials for liquid ends, selection of the suitable materials or the applied liquids is possible
- ★ Discharge accuracy (Repeatability) : within $\pm 2\%$
- ★ Various types of connections for optimum piping
- ★ Easy maintenance

IDENTIFICATION

BX	10	-	P	C	F	-	H	110	SP
①	②	-	③	④	⑤	-	⑥	⑦	⑧

① Series name

② Type No .

③ Pump head P : PVC S : SUS304 M : SUS316

④ Ball valve C : Ceramic S : SUS304 M : SUS316

⑤ O-ring/Gasket E : EPDM F : FPM T : PTFE

⑥ Connection F : Flange H : Hose
K : Thread U : Union

⑦ Power

110: 1Ø 100V~110V (50/60Hz)

120: 1Ø 200V~240V (50/60Hz)

320: 3Ø 200V~240V (50/60Hz)

338: 3Ø 380V~415V (50/60Hz)

344: 3Ø 440V~480V (50/60Hz)

⑧ Special design

K : For high viscosity liquid (Polymer)

BX SPECIFICATION

Model	Diaphragm Dia. (mm)	Stroke length (mm)	Stroke speed (SPM)		Speed ratio	Discharge capacity mL/min (0 MPa)		Max. Dis. Pressure (MPa)	Motor output (W)	Standard pipe (PVC)
			50Hz	60Hz		50Hz	60Hz			
BX01	φ42	2	16	20	1/90	14	16	1	40	Hose type φ6 x φ11
BX03			75	90	1/20	77	92			
BX05			120	144	1/12.5	120	145			
BX10	φ65	4	100	120	1/15	320	385	0.5	90	Hose type φ9 x φ15
BX20			75	90	1/20	430	530			
BX30			120	144	1/12.5	730	885			
BX50	φ84	8	166	200	1/9	1025	1215	0.5	90	Hose type φ9 x φ15
BX70			75	90	1/20	1475	1815			
BX100			120	144	1/12.5	2355	2845			

- Test condition: Normal temperature water. (Self-priming 1M)
- Anti siphon check valve can maintain discharge capacity stably.
- Discharge performance might change in different condition.

MATERIALS

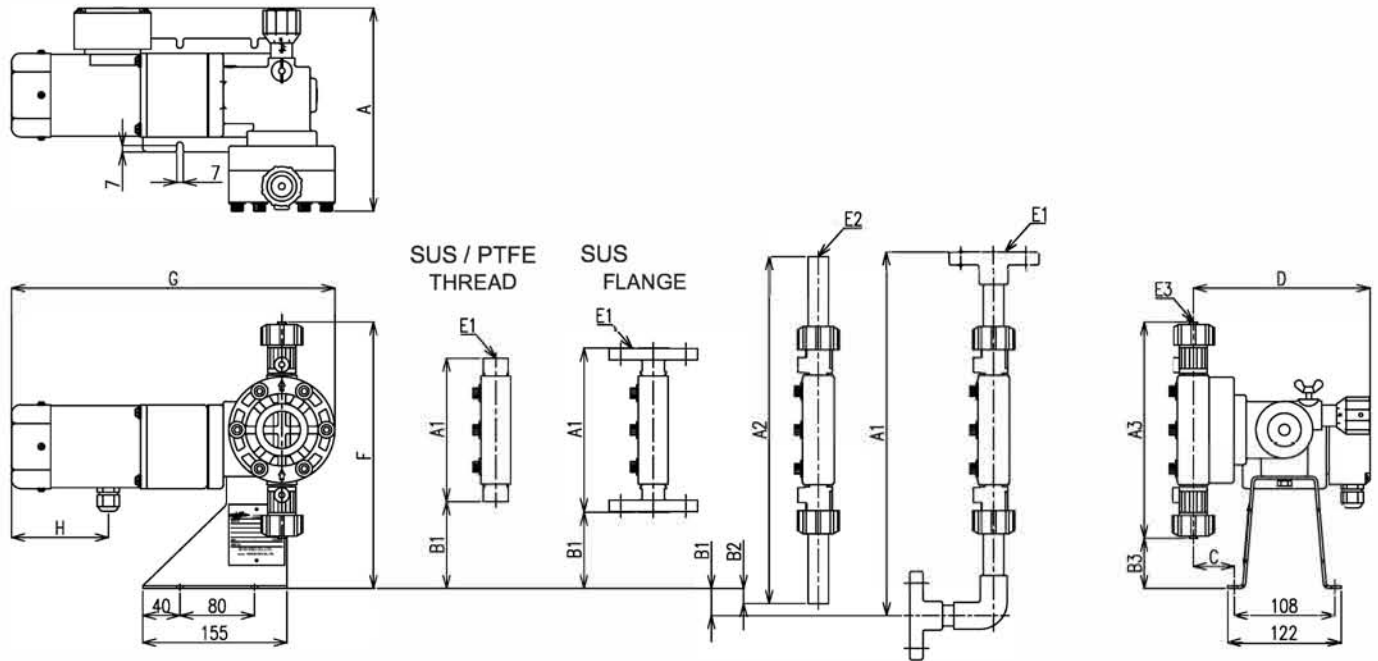
Diaphragm Head	Diaphragm	Ball Valve	Valve Seat	Joint	Applied chemicals
PVC	PTFE/EPDM	CERAMIC	FPM/EPDM PVC	PVC	Sulfuric acid, Hydrochloric acid, Sodium hypochlorite, PAC, Urea Phosphoric acid
PVC		SUS304	SUS304	PVC	Active carbon, Sodium hydroxide, Flocculant, Lime.
SUS304		SUS304	SUS304	SUS304	Solvents, Alcohol

BX ACCESSORIES



	Name	Model	Applied pump model
Standard accessories	Anti-siphon check valve	B55PV	BX01~BX30
		B73PV	BX50~BX100
	Foot valve	B63PV	BX01~BX30
		B65PV	BX50~BX100
Optional accessories	Filter	B64PV	BX01~BX30
		B66PV	BX50~BX100

DIMENSIONS



MODE	MATERIAL	A	A1	A2	A3	B1	B2	B3	C	D	E1	E2	E3	F	G	H			
BX01.03.05	PVC	232	364	343	166	16	2	87	37	183	15A JIS 10K FLANGE	VP16 UNION	Ø6 ID X Ø11 OD HOSE	253	*309	77			
	SUS / PVDF		156	—	—	92	—	—						248	*308				
	SUS / PTFE		207	106	—	—	117	—						—	223		*300		
BX10.20.30	PVC	232	376	355	178	22	8	81	37	183	15A JIS 10K FLANGE	VP16 UNION	Ø6 ID X Ø11 OD HOSE	259	289	77			
	SUS / PVDF		176	—	—	82	—	—						258	293				
	SUS / PTFE		207	126	—	—	107	—						—	233		—		
BX50	PVC	232	376	355	214	22	8	63	37	183	15A JIS 10K FLANGE	VP16 UNION	Ø9 ID X Ø15 OD HOSE	277	289	77			
	SUS / PVDF		233	156	—	—	92	—						—	38		184	248	293
	SUS / PTFE		209 217	134	—	—	103	—						—	38 42		184 188	237	—
BX70.100	PVC	238	391	373	232	29	16	54	44	190	15A JIS 10K FLANGE	VP16 UNION	Ø9 ID X Ø15 OD HOSE	286	348	104			
	SUS / PVDF		239	176	—	—	82	—						—	43		189	258	351
	SUS / PTFE		217	154	—	—	93	—						—	—		—	247	—

※BX01 Unit:mm

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