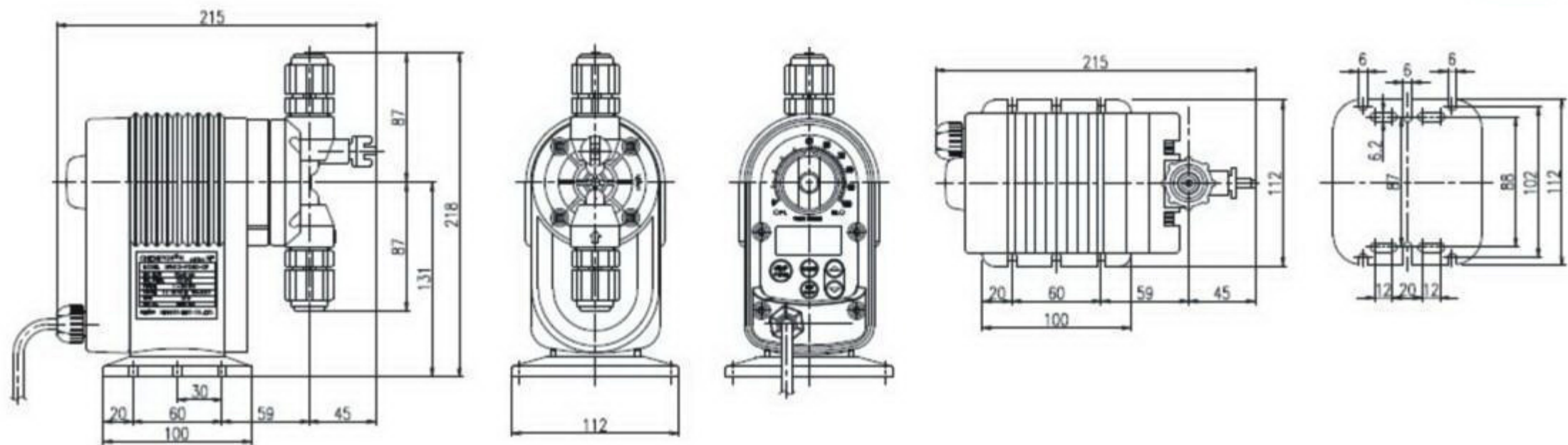


Solenoid Driven Metering Pump - Series NFH

Dimensions

Unit: mm



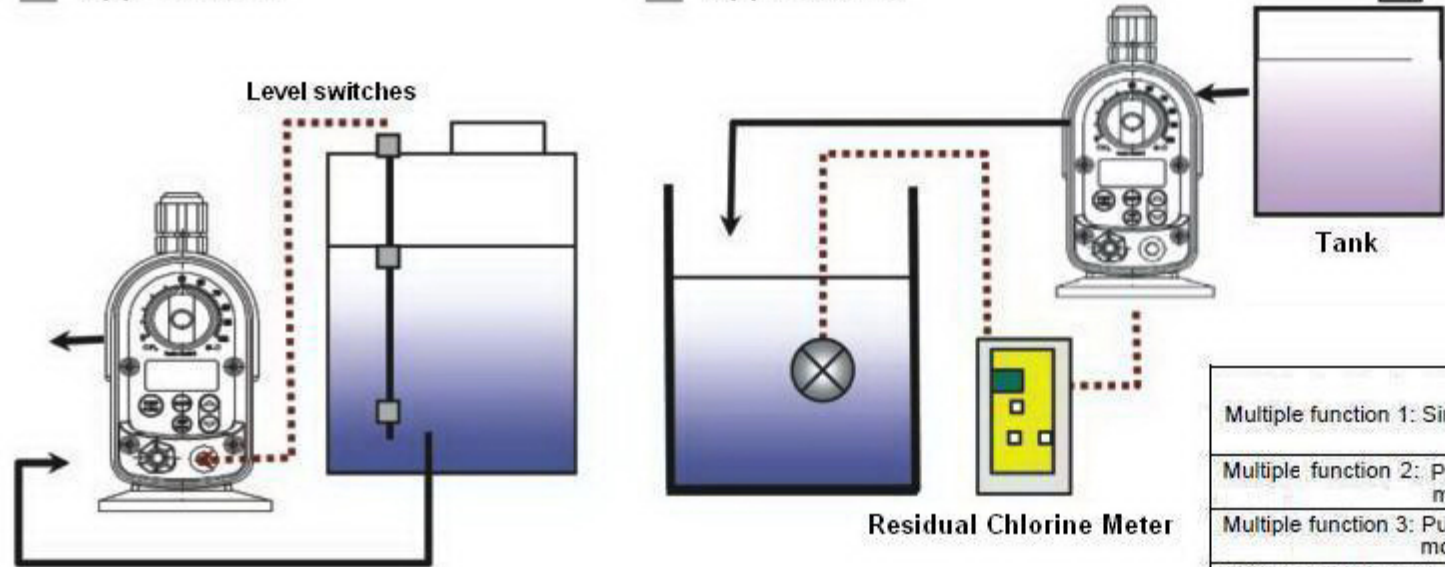
Accessories



	Name	Model	Applicable Pump
Standard Accessories	Filter	D0AC700	NFH10~20
	Anti siphon check valve	D0FI064	NFH10~20
	Suction/Discharge Hose	Ø 6 X Ø 11 3 Meter	
	Air Vent Hose	Ø 4 X Ø 6 1 Meter	
Optional Accessories	Anti siphon check valve	B55PV	NFH10~20
	Foot Valve	B63PV	NFH10~20

Multiple Function Type

■ Application 1 ■ Application 2



Multiple function 1: Simple timer	ON/OFF intermittent setting range 1~9999 seconds 1~9999 minutes, 10~9999 minutes
Multiple function 2: Pulse dividing mode	No-voltage 1/9999-1 pulse: 1 stroke
Multiple function 3: Pulse magnification mode	No-voltage 1 pulse: 1~9999 stroke
Multiple function 4: External contact input	Up to two of no-voltage contacts can be input

Please contact us for the details.

Notice for the safety operation:
To use a pump for safety, be sure to read the instruction manual before your operation.

Product(s) (including parts, technical data or information thereto) described in this catalog shall be subject to export control laws and regulations of Japan or the US. You need to obtain the approval form appropriate government(s) when you export if such laws and regulations require.

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NIKKISO

CHEMIPON[®]N

Series NFH
Solenoid Driven Metering Pump



Safe Precise....
Compact

www.nikkiso-eiko.co.jp

Solenoid Driven Metering Pump Series NFH

The series NFH is a solenoid driven metering with the concept of the user- friendly design. Our technology makes the pump with reliable feeding performance. The feeding capacity can be adjusted via stroke length and stroke frequency to obtain a satisfied turndown ratio.

- The wide voltage circuit design
1Ø100V~240V +/-10%
It makes the pump can be used everywhere.
- Safety device for solenoid
The solenoid with thermostat always makes the pump running safely.
- The water/dust proof design
Equivalent to protection IP65
- Easy to read the LCD display
The LCD display shows the operation status clearly.

Manual air vent valve

At the time of start-up, the retained gas in the pump head or suction hose can be expelled by rotating the air vent valve.



PVDF body



360° rotation

The pump can be rotated on the base through 360°.



Stroke length adjusting dial

Stroke length of the pump can be adjusted in a range from 50 to 100% by turning the dial.



Touch keys



LCD display

Flow rate indication (ml/min)

(Use this as a guide, as actual flow rate is not measured.)



Stroke number indication (1-200spm)

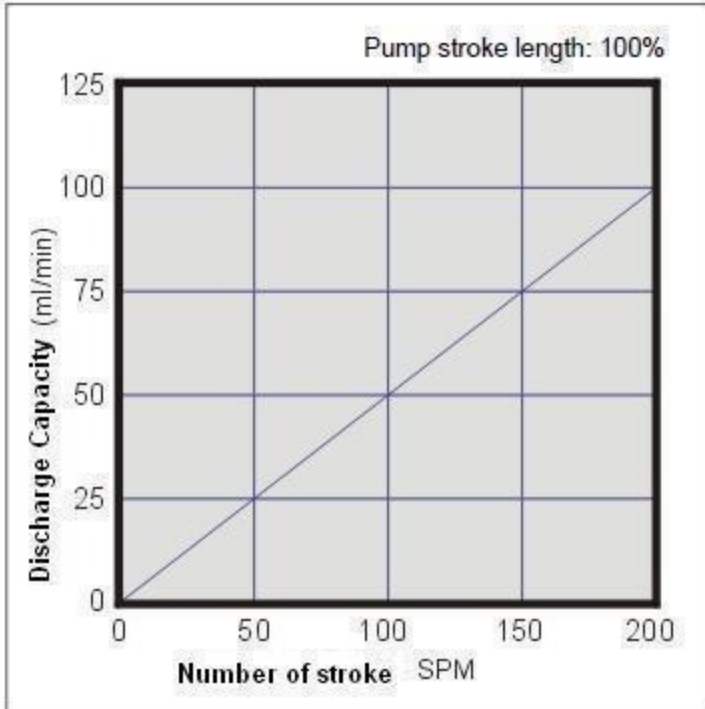


% of Stroke number indication (%)

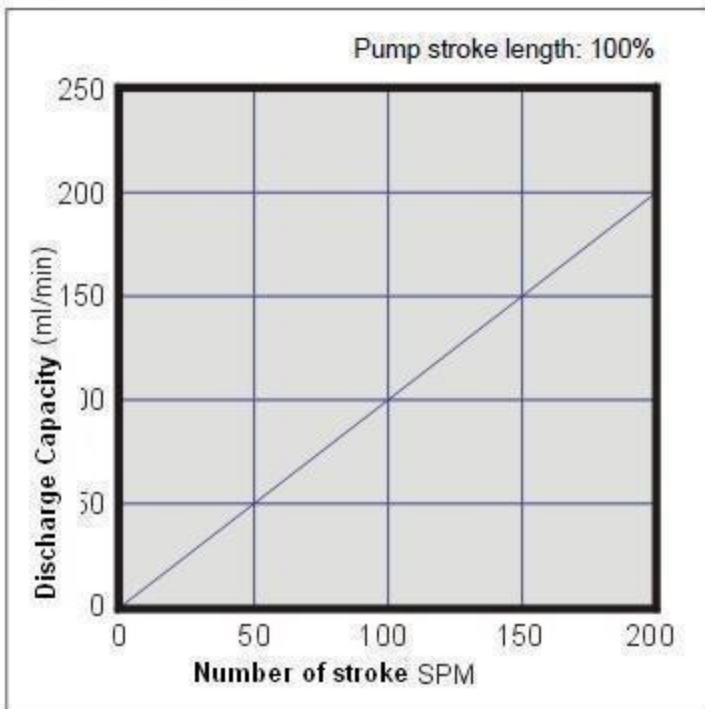


Performance Curves

NFH10

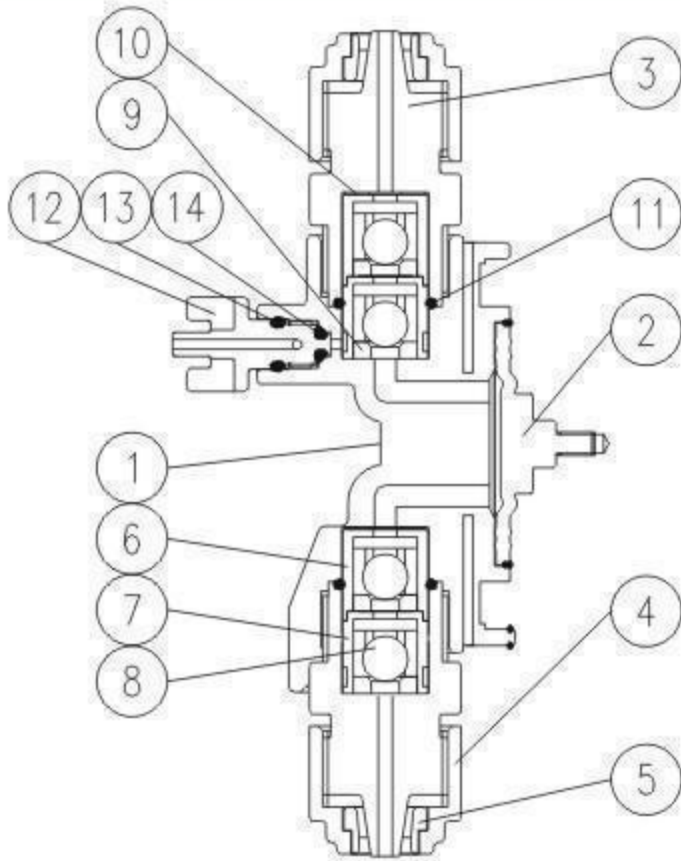


NFH20



The above performance curves have been measured under the condition using an anti-siphone check valve.

Liquid Ends



No	Component name	Material	Q'ty
14	O-ring	FPM / EPDM	1
13	O-ring	FPM / EPDM	1
12	Air vent valve	PVDF	1
11	O-ring	FPM / EPDM	1
10	Gasket	PTFE	2
9	Valve seat	FPM / EPDM	4
8	Ball valve	CE	4
7	Ball Guide B	PVDF	2
6	Ball Guide A	PVDF	2
5	Union nut collar	PVDF	2
4	Union nut	PVDF	2
3	Hose joint	PVDF	2
2	Diaphragm	PTFE / CR	1
1	Diaphragm head	PVDF	1

Specifications

Pump Model		NFH10	NFH20
Max. discharge capacity ml/min	0.2Mpa	100	200
	0.35Mpa	80	160
	0.7Mpa	60	-
Max. discharge capacity per One Stroke ml/Stroke		0.5	1
Max. discharge pressure MPa		0.7	0.35
Connecting hose Suction, discharge	PVC braided hose φ6 xφ11		
Connecting hose Air vent	PVC hose φ4 xφ6		
Number of strokes		1 to 200 spm digital indication	
Stroke length adjusting range		50 ~ 100 %	
Power source		50/60Hz AC100~240V ± 10%	
Max. current at ON		2.8A	
Average power consumption		30W	
Protecting type		Equivalent to IP65	
Discharge accuracy		Within ±2% (at max. discharge rate)	

Install an anti-siphone check valve to observe stable flow from the pump.

Model Code

NF	H	10	P2	MC	CF	SP
1	2	3	4	5	6	7
1 Pump Series NF : NF			5 Circuit Function MC : Basic Type			
2 Solenoid Type H : H			6 Material of Ball valve and O Ring CF : Ceramic/FPM CE : Ceramic/EPDM MF : SUS316/FPM ME : SUS316/EPDM			
3 Pump Size 10 : 10 20 : 20			7 Special Indication None: Standard SP : Special specification			
4 Diaphragm Head Material P2 : PVDF S2 : SUS316						