

# NRX series

Solenoid Driven Metering Pump



Advanced model

# NRX series

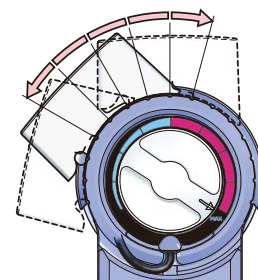
User friendly  
Movable/Detachable controller with  
multi function



## Feature

### Feature 1

Controller: High-luminance LED segment movable display with high visibility as standard  
Large button: easy handling even if the operators wear gloves.



### Feature 2

The air vent valve differs from the diaphragm head in color for clarity.  
Adjusting air vent valve opening and prevents falling off ball stopper function.  
(opening/closing angle: 90°)

Model	NRX15	NRX30	NRX60	NRX100	NRX200
Max. Discharge Capacity (mL/min)	15	30	60	100	200
Max. Discharge Pressure (MPa)	1	1	1	0.7	0.35
Connecting hose size	Φ4×Φ9 Braided PVC hose			Φ6×Φ11 Braided PVC hose	
No. of stroke	100spm	200spm			
Stroke length (mm)	2				
Stroke length adjustable range	50 ~ 100%				
Power / Frequency	Single phase AC100-240V, 50/60Hz				
Max. current/Average Power consumption	1.4A/6W	1.4A/10W	3.0A/18W		
Protecting type	IP65 equivalent (dust/water proof)				

Diaphragm head material	NRX15	NRX30	NRX60	NRX100	NRX200
PVC	✓	✓	✓	✓	✓
Auto air vent : PVC	✓	✓	✓	PMMA	PMMA

Control function	Continuous	Timer	Pulse signal	Analog
Standard	✓	✓	—	—
Pulse	✓	✓	✓	—
Analog	✓	✓	—	—

※NRX15: standard type only

NRX series Model code	NRX	30	—	P
	①	②		③

#### ① Series name

NRX series

#### ③ Diaphragm head

P: PVC (standard)

J: PVC (with auto air vent)

#### ② Pump size (cap./head)

15: 15mL/min at 1.0MPa

30: 30mL/min at 1.0MPa

60: 60mL/min at 1.0MPa

100: 100mL/min at 0.7MPa

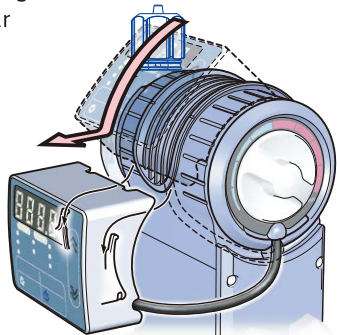
200: 200mL/min at 0.35MPa

#### ④ Ball valve

C: Ceramics

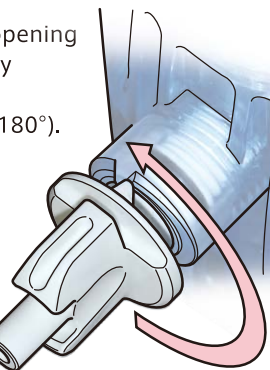
M: AISI316

ce  
splay  
standard.  
ng  
r



from the  
for easy

opening  
y  
180°).



alog signal	External contact input	Operating contact output
-	1 contact	-
-	2 contacts	✓
✓	2 contacts	✓

C	F	-	M	□
④	⑤		⑥	⑦

⑤ Valve sear / O-Ring  
F:FKM (chemical proof)  
E:EPDM

⑥ Circuit  
M:Standard  
P:Pulse type  
A:Analog type

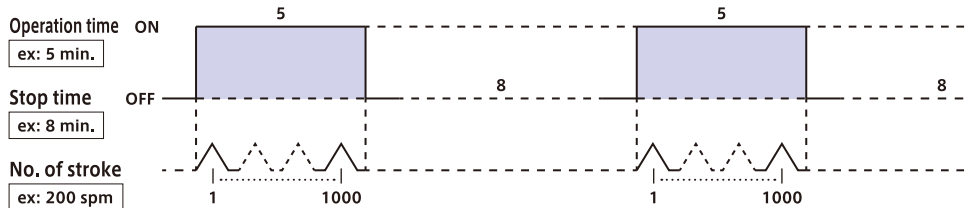
⑦ Special spec., if any

## Control function



### Timer mode

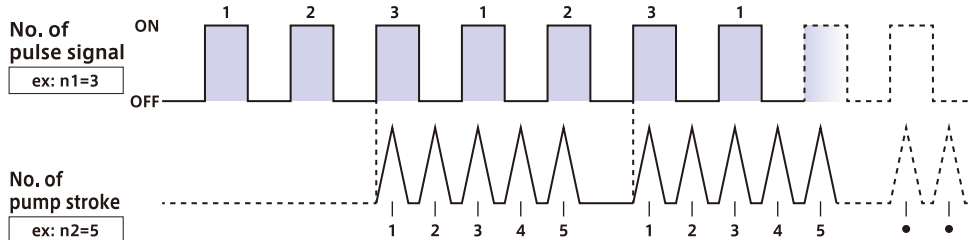
Repeated ON-OFF operation is possible from 1 sec. to 999990 min.  
Wide control is possible in combination with the external signal input mode.



### Pulse mode

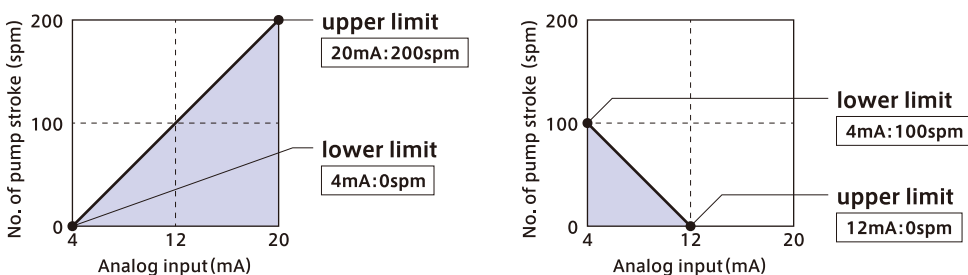
Proportional injection is possible with a voltage-free pulse signal from a flowmeter, etc.

Proportional injection: can be selected No. of stroke or injection time.



### Analog mode

Automatically operate according to the set value of 4-20 mA analog signal.

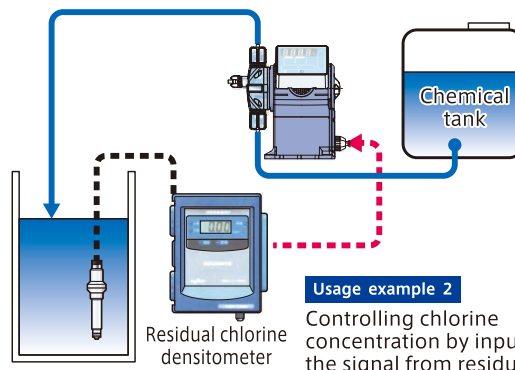
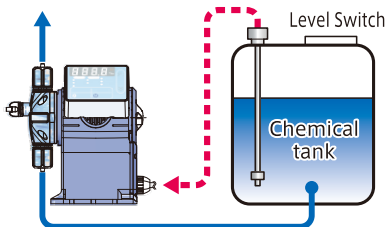


### External contact input

Pump operation can be controlled by external contact input.

#### Usage example 1

Pump can be stopped by input the signal from level switch mounted in the tank like a sketch.

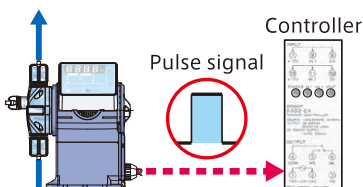


#### Usage example 2

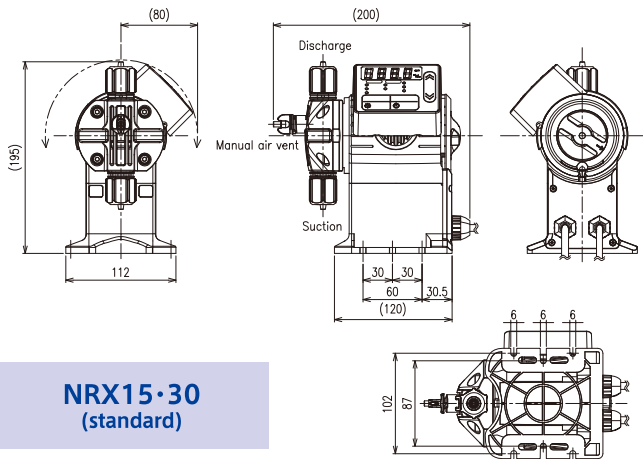
Controlling chlorine concentration by input the signal from residual chlorine meter.

### Operating contact output

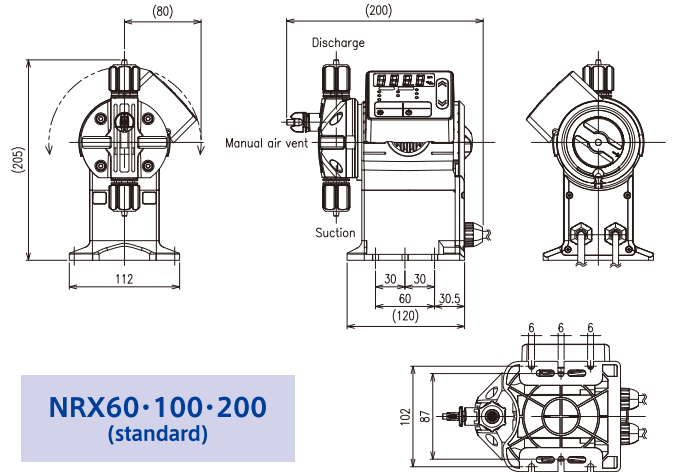
Pump operation signal can be output to external equipment.



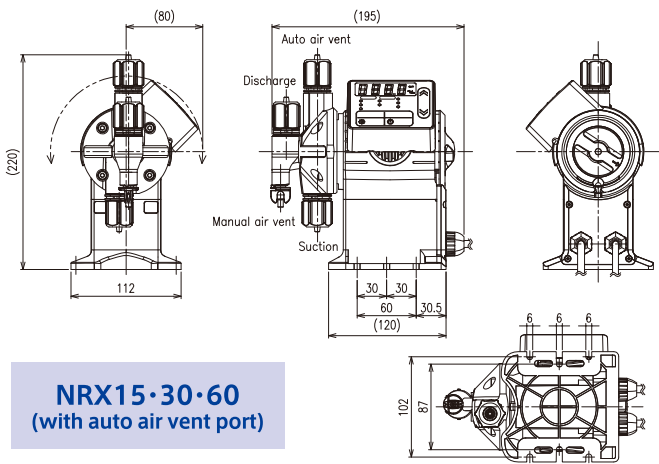
## Outline Drawing



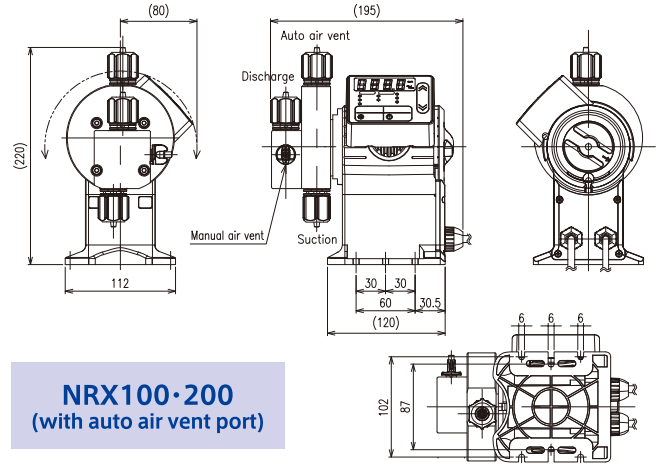
**NRX15·30**  
(standard)



**NRX60·100·200**  
(standard)

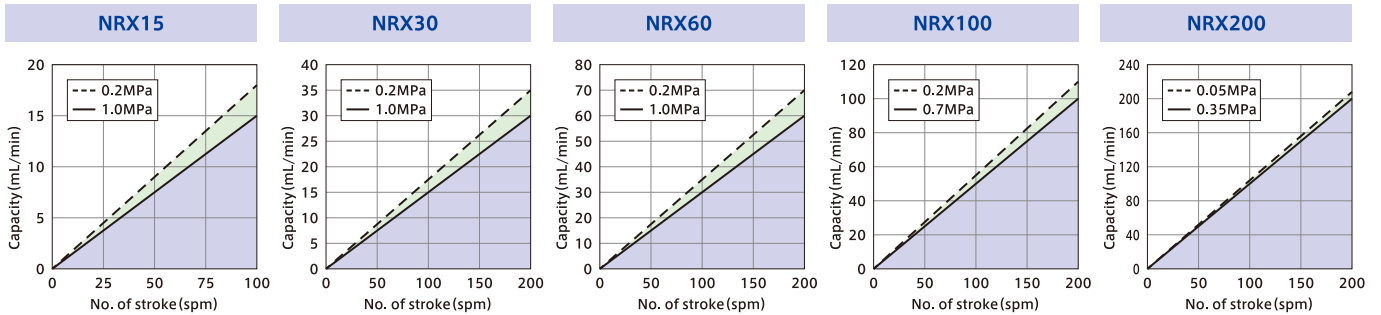


**NRX15·30·60**  
(with auto air vent port)



**NRX100·200**  
(with auto air vent port)

## Estimated Performance Curve



**⚠ 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 US. You need to obtain the approval from appropriate government(s) when you export if such laws and regulations require.

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## NIKKISO EIKO CO., LTD.

**[Sales office in Tokyo]**

Ihara Takanawa BLDG 4F, Takanawa 3-11-3, Minato-ku,  
Tokyo 108-0074, Japan

Tel : +81-3-3443-3800 Fax : +81-3-3440-1850