

#### GENERAL

**NE series** are ready for quick delivery with standardized specification. Order by Model code only.

#### STANDARDIZED ITEM

- Available size : 15mm (1/2") to 100mm (4")
- Calibration condition: Water,  
     (Density : 1.0g/cm<sup>3</sup>)  
     (Viscosity : 1.0mPa•s)
- Scale : Double scale of "m<sup>3</sup>/h" (Partly "L/h" for small dia.) and "L/min."
- Process connection : STANDARD JIS10K RF flange
- Press. range

Size (mm)	Max. Op. Press (MPa)
15	1.0
20	0.8
25	0.8
40	0.6
50	0.6
65	0.6
80	0.4
100	0.4

- Temp. range : 0 to 80°C  
     \*: It is general data, and the maximum temperature may change by terms of use and environment.

- Allowable thermal shock : 80°C or less
- Accuracy : ±1.5%F.S.
- Range ability : 10:1

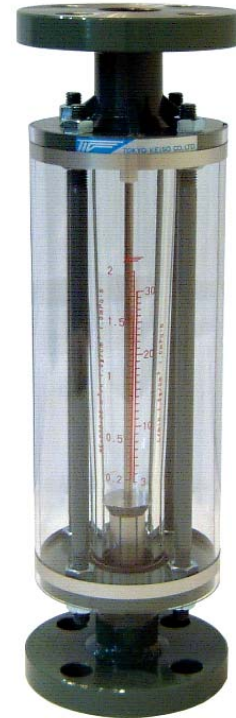
#### ● MATERIAL CONSTRUCTION

NO.	Parts Name	Material	
		NE-□□□-□□-S	NE-□□□-□□-4
1	Tapered tube	Heat-resistant glass	
2	Float	SUS304	
3	Fittings	SGP *1	SUS304 *1
4	Flange	SS400	SUS304
5	Gasket	NBR	
6	Column	SS400	
7	Nut	SS400	
8 *2	Cover	Acryl	

\*1: SCS13 for 15 to 25mm

\*2: Option

- Flow direction : Bottom to Top
- Paint : Munsell 7.5BG4/1.5



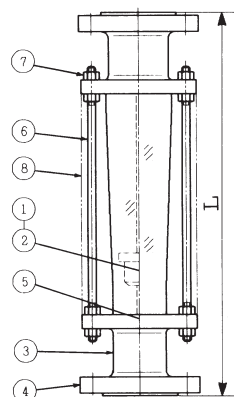
## MODEL CODE AND RANGES

Code	Size	Scale range	
		m <sup>3</sup> /h	L/min.
NE-015-03-□	15A	30 to 300L/h	0.5 to 5
NE-015-05-□		50 to 500L/h	1 to 10
NE-015-08-□		80 to 800L/h	1.3 to 13
NE-015-10-□		0.1 to 1	1.8 to 18
NE-015-15-□		0.15 to 1.5	2.5 to 25
NE-020-15-□	20A	0.15 to 1.5	2.5 to 25
NE-020-20-□		0.2 to 2	3 to 30
NE-020-30-□		0.3 to 3	5 to 50
NE-025-20-□	25A	0.2 to 2	4 to 40
NE-025-30-□		0.3 to 3	5 to 50
NE-025-40-□		0.4 to 4	6 to 60
NE-025-50-□		0.5 to 5	9 to 90
NE-025-60-□		0.6 to 6	10 to 100
NE-040-05-□	40A	0.5 to 5	8 to 80
NE-040-08-□		0.8 to 8	13 to 130
NE-040-10-□		1 to 10	18 to 180
NE-040-15-□		1.5 to 15	25 to 250
NE-050-10-□	50A	1 to 10	18 to 180
NE-050-15-□		1.5 to 15	25 to 250
NE-050-20-□		2 to 20	35 to 350
NE-050-25-□		2.5 to 25	40 to 400
NE-065-15-□	65A	1.5 to 15	25 to 250
NE-065-20-□		2 to 20	35 to 350
NE-065-30-□		3 to 30	50 to 500
NE-065-40-□		4 to 40	70 to 700
NE-080-30-□	80A	3 to 30	50 to 500
NE-080-40-□		4 to 40	70 to 700
NE-080-50-□		5 to 50	—*
NE-100-40-□	100A	4 to 40	70 to 700
NE-100-50-□		5 to 50	—*
NE-100-70-□		7 to 70	120 to 1200
NE-100-80-□		8 to 80	130 to 1300
NE-100-90-□		9 to 90	150 to 1500
NE-100-100-□		10 to 100	160 to 1600

↑  
Flange material  
S: Carbon steel  
4: SUS304

\*The scale for NE-80-50-□ & NE-100-50-□ is indicated by "m<sup>3</sup>/h" only.

## DIMENSION AND MATERIAL



## ● DIMENSION

Code	Size (mm)	L (mm)
NE-015-□□-□	15	320
NE-020-□□-□	20	320
NE-025-□□-□	25	320
NE-040-□□-□	40	370
NE-050-□□-□	50	370
NE-065-□□-□	65	370
NE-080-□□-□	80	400
NE-100-□□-□	100	400

## ● MASS

Size (mm)	Mass (Approx.) kg
15	2.5
20	3.5
25	5.5
40	7.0
50	9.5
65	13
80	17
100	20

Cautions on the use of glass tube variable area flowmeters

## ⚠ CAUTION

Avoid the use of glass tube variable area flowmeters for the following services.

- Liquid services subject to impulse pressure in the process.
- Secondary accidents might occur due to the breakage of glass in such services :
  - Toxic fluids such as poisons, stimulant and narcotics
  - Flammable fluids
  - Explosive fluids
- Gas handling process where breakage of glass might result in gas leakage or scattering of glass fragments.
- The installation places of the flowmeters where breakage of glass might be caused by the accidents from the surrounding piping or equipment.
- On-off operation where breakage of glass might be caused by the collision of the float inside meter due to the abrupt change of flow.
- Services where the heat shock by abrupt change of temperature is expected.

\* Specification is subject to change without notice.

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