





SKU: GE0807

-  VOLT Plastic VA Flow Meter
-  VOLT Plastic VA -Durchflussmesser
-  VOLT Plástico VA medidor de flujo
-  VOLT Plastique VA Débitmètre

Valves<sup>™</sup>  
ONLINE

- 1/2" - 2 1/2" Variable Area Flow Meter for Liquids and Gases
- 1/2" - 2 1/2" Schwebekörperdurchflussmesser für Flüssigkeiten und Gase
- 1/2" - 2 1/2" Medidor de Flujo Variable Zona para Líquidos y Gases
- 1/2" - 2 1/2" Zone Débitmètre variable pour liquides et gaz

**GEMÜ<sup>®</sup>**

### Type 807



### Type 857



### Variable Area Flow Meter Type 807 & 857



#### Description

A wide range of variable area flow meters for industries including water treatment, compressed air supply, chemical, environmental, etc. A choice of materials depending upon operating temperature and pressure up to 120°C and 10 bar.



#### Beschreibung

Eine breite Palette von Schwebekörperdurchflussmesser für Branchen wie Wasseraufbereitung, Druckluftversorgung, Chemie, Umwelt. Eine Auswahl von Materialien in Abhängigkeit von der Betriebstemperatur und der Druck bis zu 120°C und 10 bar.



#### Descripción

Una amplia gama de medidores de flujo de área variable para industrias, incluyendo tratamiento de aguas, suministro de aire comprimido, químico, ambiental. A elección de los materiales, dependiendo de la temperatura de funcionamiento y la presión hasta 120° C y 10 bar.



#### Description

Une large gamme de variables débitmètres zone pour les industries y compris le traitement de l'eau, de l'air comprimé, de la chimie, de l'environnement. Un choix de matériaux en fonction de la température et de la pression exploitation jusqu'à 120°C et 10 bars.

- **Low Pressure Loss**
- **Visual Indication of Working Medium**
- **No Auxiliary Power Needed**
- **Standard and Magnetic Floats**

#### Description:

All plastic flow meters provide excellent chemical resistance and reliability. They operate on the unique variable area ((VA) principle and should be fitted in a vertical pipeline, with the working medium flowing from bottom to top. The float moves freely in a conical metering tube and is lifted by the flow and can be read directly off the scale. By mounting limit switches on the VA, monitoring and signal sensing is possible.

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## Variable Area Flow Meter for Air, Gases and Water

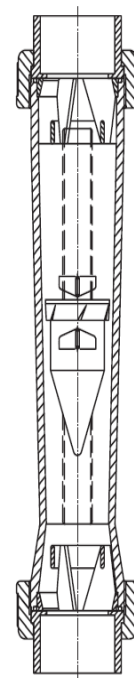
Variable area flowmeters are for use on air, inert gases and liquid media, which have no negative impact on the physical and chemical properties of the metering tube, seal and union materials.

### Variable Area Flow Meter Type 857

#### Short Pattern

#### AIR

Type 875 without magnet Float PP - Air			
Tube Size Code	DN	Range Air Nm <sup>3</sup> /hr At 1 Bar absolute	Union Material PVC-U
			Solvent Weld
11	10	0.02-0.36	0.07
12		0.05-0.55	
13		0.10-0.90	
14		0.15-1.50	
15		0.20-2.40	
21	15	0.10-0.90	0.11
22		0.15-1.50	
23		0.20-2.40	
24		0.40-3.80	
25		0.40-4.80	
31	20	0.20-2.50	0.19
32		0.25-3.75	
33		0.50-5.50	
34		1.00-10.00	
41	25	0.40-4.00	0.25
42		0.50-6.00	
43		1.00-10.00	
44		1.00-16.00	



#### WATER

Type 857 without magnet Float St. St - Water			
Tube Size Code	DN	Range Water HzO	Union Material PVC-U
			Solvent Weld
11	10	4-40	0.08kg
12		5-60	
13		10-100	
14		15-160	
15		20-250	
21	15	10-100	0.13kg
22		20-160	
23		20-250	
24		40-400	
25		50-500	
31	20	20-250	0.24kg
32		30-400	
33		60-600	
34		100-1000	
41	25	40-400	0.34kg
42		50-650	
43		100-1000	
44		150-1600	

#### Transparent Polyamid Tube PA

Maximum Pressure 10 Bar at 20°C (dependant upon tube material and operating temperature)

TYPE 857	
Measuring Range - Liquids	0.015 - 1.600L/h
Measuring Range - Gas/Air	0.2 - 37.5 Nm <sup>3</sup> /h
DN	10-25
Length	165 - 200mm
Operating Temperature	20°C - +120°C
Operating Pressure	max.10 bar
Tube Material	Trogamid (PA)
Float material	PP, Stainless Steel
Connector - Union	PVC

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## Variable Area Flow Meter for Air, Gases and Water

### AIR

Type 825 without magnet Float PP - Air			
Tube Size Code	DN	Range Air Nm <sup>3</sup> /hr At 1 Bar and 20°C	Union Material PVC-U
			Solvent Weld
46	20	0.2-2.5	0.4
47		0.30-4.0	0.4
48		0.50-6.5	0.4
49		0.75-10.0	0.39
52	25	0.40-4.0	0.54
53		0.50-6.5	0.53
54		1.0-10.0	0.52
55	32	1.50-16.0	0.51
61		1.5-16.0	0.88
62		2.0-25.0	0.86
63	40	4.0-40.0	0.84
67		2.0-25.0	1.1
68	50	4.0-40.0	1.07
69		5.0-50.0	1.06
71	65	4.0-40.0	1.17
72		6.0-64.0	1.14
73		10.0-100.0	1.09
75	65	15.0-140.0	3.31
77		20.0-200.0	3.31

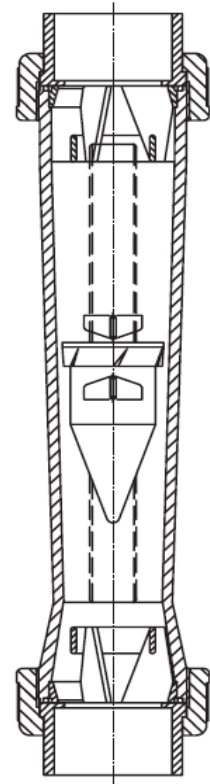
### WATER

Type 807 without magnet Float St St - Water			
Tube Size Code	DN	Range Water H2O	Union Material PVC-U
			Solvent Weld
46	20	20-250	0.45
47		40-400	0.45
48		60-640	0.45
49		75-1000	0.44
52	25	40-400	0.62
53		60-640	0.61
54		100-1000	0.6
55	32	150-1600	0.59
61		150-1600	1.11
62		200-2500	1.09
63	40	400-4000	1.07
67		200-2500	1.42
68	50	400-4000	1.39
69		500-5000	1.38
71	65	400-4000	2
72		600-6400	1.97
73		1000-10000	1.92
75	65	1500-14000	3.31
77		2000-20000	3.31

### Variable Area Flow Meter Type 807

#### Long Pattern

Tube length 350mm







#### Transparent Polyamid Tube PA

Maximum Pressure 10 Bar at 20°C (dependant upon tube material and operating temperature)

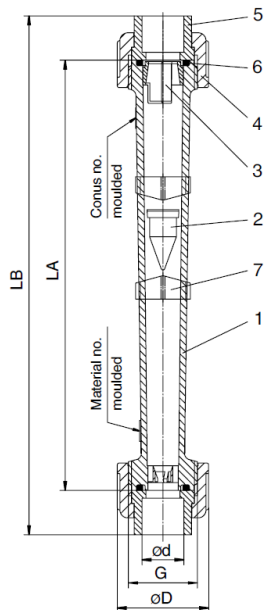
#### TYPE 807

Measuring Range - Liquids	20-29000L/h
Measuring Range - Gas/Air	0.2 - 290 Nm <sup>3</sup> /h
DN	20-65.0
Length	350mm
Operating Temperature	20°C - +120°C
Operating Pressure	max.10 bar
Tube Material	Trogamid (PA)
Float material	PP, Stainless Steel
Connector - Union	PVC

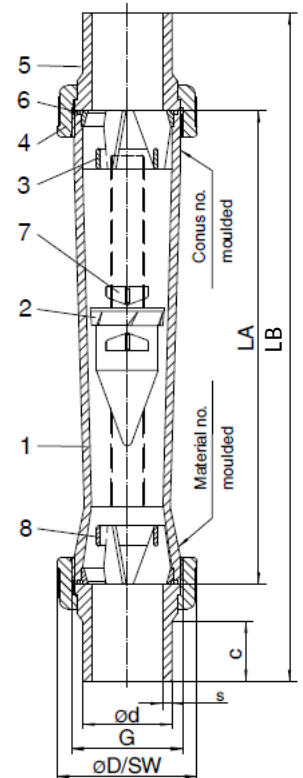
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## Variable Area Flow Meter for Air, Gases and Water

### Variable Area Flow Meter Type 857



### Variable Area Flow Meter Type 807



### Transparent Polyamid Tube PA

Plastic Union			LB Metric Unions		LB Imperial Unions	
DN	LA	øD	ød	DIN	ød	Inch
10	165	35	16	199	17.3	209
15	170	43	21	208	21.4	208
20	185	53	25	229	26.7	229
25	200	60	32	250	33.6	250

Tube length 165 – 200 mm

Plastic Union			LB Metric Unions		LB Imperial Unions	
DN	LA	øD	ød	DIN	ød	Inch
20	350	53	25	394	26.8	394
25	350	60	32	400	33.6	400
32	350	74	40	408	42.3	408
40	350	83	50	418	48.3	418
50	350	103	63	432	60.4	432
65	350	122	75	444	75	444

Tube length 350mm