

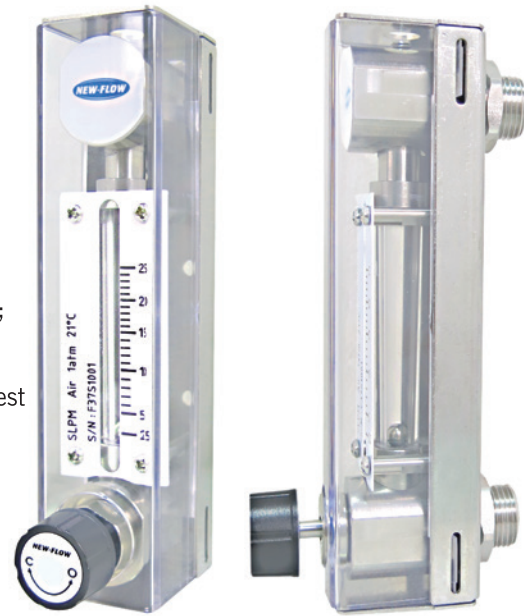
VARIABLE AREA TYPE FLOW METER [ROTAMETER]

RM TYPE

The variable area flow meter content a float & taper tube. The fluid flow through the taper tube and force up to the float. The flow rate is measured as a function of the area of the opening. This area displayed as the float that is free to move to produce the varying area.

Technical Data

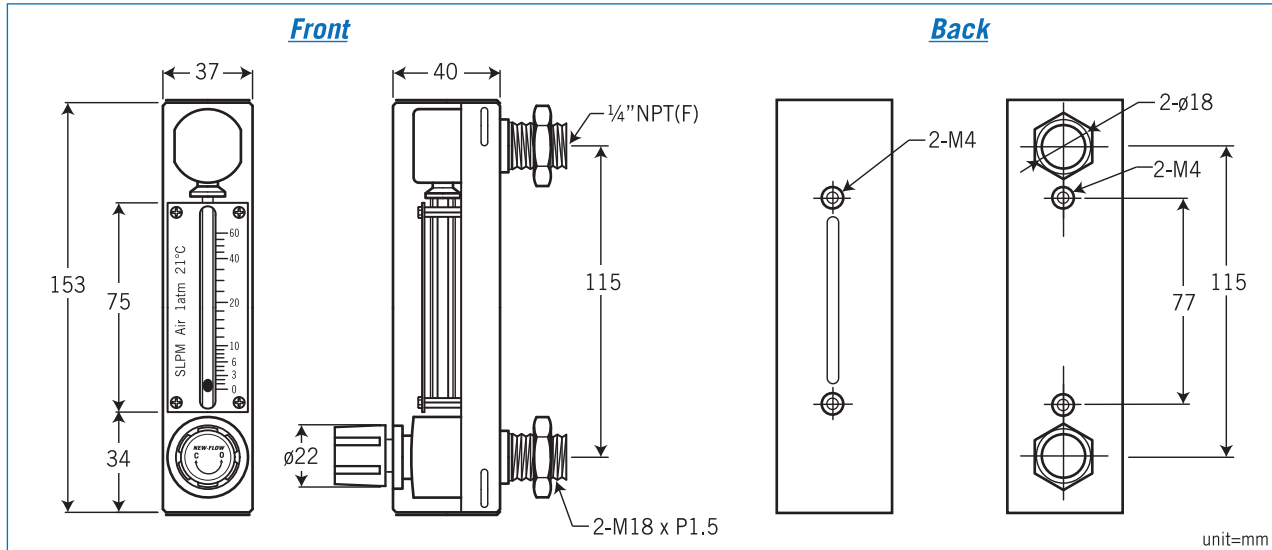
- Service:** Gases (Air) & Liquid (Water)
- Wetted Parts Material:** Body: SS316 ; O-ring: Viton; others on request; Metering Tube: Borosilicate Glass ; Needle Valve: SS316
- Float:** SS316, POM Plastic, Glass, Black Glass-POL, TC (Tungsten Carbide), Rubysaph, Tantalum available on request
- Mounting:** Horizontal position (Bottom to Top)
- Connection Size:** 1/4" NPT female; Needle valve available
- Max. Working Temperature:** 95°C
- Max. Working Pressure:** Glass tube- 200psig (14 kg/cm²)
- Accuracy:** ±3% F.S; Repeatability 1%
- Weight:** 0.55~0.6 kg



Approvals:



Dimensions



Range Table & Ordering Information

Tube No.: GA

Fluid Type: Air (STP)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|-----------------------|-------------------------------|-------------------------|
| 1 | 3~30 | Black Glass-POL | Ncc/min, Normal cc per Minute | RM-3~30-CCM-Air-BP-GA |
| 2 | 6~60 | SS316 | Ncc/min, Normal cc per Minute | RM-6~60-CCM-Air-SS-GA |
| 3 | 12~120 | TC (Tungsten Carbide) | Ncc/min, Normal cc per Minute | RM-12~120-CCM-Air-TC-GA |

Tube No.: GB

Fluid Type: Air (STP)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|-----------------------|-------------------------------|-------------------------|
| 1 | 12~120 | Black Glass-POL | Ncc/min, Normal cc per Minute | RM-12~120-CCM-Air-BP-GB |
| 2 | 20~200 | RUBYSAPH | Ncc/min, Normal cc per Minute | RM-20~200-CCM-Air-RU-GB |
| 3 | 40~400 | SS316 | Ncc/min, Normal cc per Minute | RM-40~400-CCM-Air-SS-GB |
| 4 | 60~600 | TC (Tungsten Carbide) | Ncc/min, Normal cc per Minute | RM-60~600-CCM-Air-TC-GB |

Tube No.: GC

Fluid Type: Air (STP)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|-----------------------|-------------------------------|---------------------------|
| 1 | 50~500 | RUBYSAPH | Ncc/min, Normal cc per Minute | RM-50~500-CCM-Air-RU-GC |
| 2 | 90~900 | SS316 | Ncc/min, Normal cc per Minute | RM-90~900-CCM-Air-SS-GC |
| 3 | 120~1200 | TC (Tungsten Carbide) | Ncc/min, Normal cc per Minute | RM-120~1200-CCM-Air-TC-GC |

Tube No.: G0
Fluid Type: Air (STP)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|-----------------------|-------------------------------|----------------------------|
| 1 | 70~700 | RUBYSAPH | Ncc/min, Normal cc per Minute | RM-70~700-CCM-Air-RU-GD |
| 2 | 140~1400 | SS316 | Ncc/min, Normal cc per Minute | RM-140~1400-CCM-Air-SS-GD |
| 3 | 180~1800 | TC (Tungsten Carbide) | Ncc/min, Normal cc per Minute | RM-180~1800-CCM-Air-TC-GD |
| 4 | 200~2000 | Tantalum | Ncc/min, Normal cc per Minute | RM-200~2000-CCM-Air-Tan-GD |

Tube No.: G1
Fluid Type: Air (STP)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|----------------|--------------------------------|-------------------------|
| 1 | 0.1~1 | POM, Plastic | NLPM, Normal Litter per Minute | RM-0.1~1-LM-Air-P-G1 |
| 2 | 0.15~1.5 | Glass | NLPM, Normal Litter per Minute | RM-0.15~1.5-LM-Air-G-G1 |

Fluid Type: Water (70°F)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|----------------|----------------------|---------------------------|
| 1 | 0.03~0.3 | POM, Plastic | LPH, Litter per Hour | RM-0.03~0.3-LH-Water-P-G1 |
| 2 | 0.15~1.5 | Glass | LPH, Litter per Hour | RM-0.15~1.5-LH-Water-G-G1 |

Tube No.: G3
Fluid Type: Air (STP)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|----------------|--------------------------------|-------------------------|
| 1 | 0.25~2.5 | Glass | NLPM, Normal Litter per Minute | RM-0.25~2.5-LM-Air-G-G3 |
| 2 | 0.5~5 | SS316 | NLPM, Normal Litter per Minute | RM-0.5~5-LM-Air-SS-G3 |

Fluid Type: Water (70°F)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|----------------|----------------------|---------------------------|
| 1 | 0.08~0.8 | POM, Plastic | LPH, Litter per Hour | RM-0.08~0.8-LH-Water-P-G3 |
| 2 | 0.3~3 | Glass | LPH, Litter per Hour | RM-0.3~3-LH-Water-G-G3 |
| 3 | 0.6~6 | SS316 | LPH, Litter per Hour | RM-0.6~6-LH-Water-SS-G3 |

Tube No.: G4
Fluid Type: Air (STP)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|----------------|--------------------------------|-----------------------|
| 1 | 0.2~2 | POM, Plastic | NLPM, Normal Litter per Minute | RM-0.2~2-LM-Air-P-G4 |
| 2 | 0.3~3 | Glass | NLPM, Normal Litter per Minute | RM-0.3~3-LM-Air-G-G4 |
| 3 | 0.6~6 | SS316 | NLPM, Normal Litter per Minute | RM-0.6~6-LM-Air-SS-G4 |

Fluid Type: Water (70°F)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|----------------|----------------------|-------------------------|
| 1 | 0.1~1 | POM, Plastic | LPH, Litter per Hour | RM-0.1~1-LH-Water-P-G4 |
| 2 | 0.4~4 | Glass | LPH, Litter per Hour | RM-0.4~4-LH-Water-G-G4 |
| 3 | 0.8~8 | SS316 | LPH, Litter per Hour | RM-0.8~8-LH-Water-SS-G4 |

Tube No.: G7
Fluid Type: Air (STP)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|----------------|--------------------------------|------------------------|
| 1 | 0.8~8 | POM, Plastic | NLPM, Normal Litter per Minute | RM-0.8~8-LM-Air-P-G7 |
| 2 | 1.2~12 | Glass | NLPM, Normal Litter per Minute | RM-1.2~12-LM-Air-G-G7 |
| 3 | 2.5~25 | SS316 | NLPM, Normal Litter per Minute | RM-2.5~25-LM-Air-SS-G7 |

Fluid Type: Water (70°F)

| Item | Flow Range | Float Material | Flow Unit | Ordering Range Code |
|------|------------|----------------|----------------------|-------------------------|
| 1 | 1.5~15 | Glass | LPH, Litter per Hour | RM-1.5~15-LH-Water-G-G7 |
| 2 | 3~30 | SS316 | LPH, Litter per Hour | RM-3~30-LH-Water-SS-G7 |

NOTE:

If customer requires the flow scale calibrate on specific operation condition, please contact with the manufacturer.

| | |
|---|--|
| <p>Special Instruction, if any:</p> <p>_____</p> <p>_____</p> <p>_____</p> | <p>Service Condition:</p> <p>Fluid Name: _____</p> <p>Operation Pressure: _____</p> <p>Operation Temperature: _____</p> <p>Density: _____</p> <p>Viscosity: _____</p> |
|---|--|