

Flowline - Oil and Water Calibrated Flowmeters (Brass Version)

Flowmeters

Features & Benefits

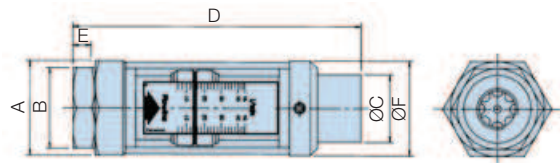


- Works in any plane.
- Pressure up to 350 bar (5000 psi).
- Flows up to 360 l/min.
- Accuracy $\pm 5\%$ FSD.
- Repeatability $\pm 1\%$ FSD.
- Direct reading.
- Relatively insensitive to viscosity changes.
- Oil or water calibrated.
- Optional reed switch upgrade.

Specification

| | |
|---|--|
| Construction: Brass body to BS 2874 CZ114. | Viscosity range: 10 to 200 cSt (oil). |
| Maximum working pressure: Up to 350 bar. | Accuracy: $\pm 5\%$ FSD. |
| Minimum working pressure: 1 bar. | Repeatability: $\pm 1\%$ FSD. |
| Temperature range: Brass -20°C to $+90^{\circ}\text{C}$. | Min. scale reading: 10% FSD. |
| Calibration: Oil Specific gravity 0.856 at 20°C . | Connections: BSP parallel threads. |
| Water Specific gravity 1.0 at 20°C . | Wetted/non-wetted parts: Consult Parker for information. |

1/4", 1/2" and 3/4" BSP thread options
(1 1/4" version on next page)



Note: To add an electrically operated reed switch to your flowmeter please order B26307

Ordering Information - Oil

Standard products table

| Brass flowmeter for oil | | Ports BSP | Flow range (l/min) | Maximum pressure (bar) | Dimensions (mm) | | | | | | Weight (kg) |
|-------------------------|---------------|-----------|--------------------|------------------------|--|-------------|----|-------|------|----|-------------|
| Product number | Supersedes | | | | A (A/F Hex) | B (A/F Hex) | C | D | E | F | |
| FM26122212 | FM.26 122 212 | 1/4 | 0.5 - 4.5 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26122312 | FM.26 122 312 | 1/4 | 1 - 9 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26222112 | FM.26 222 112 | 1/2 | 2 - 20 | 350 | 41 | 38 | 32 | 165.5 | 12.5 | 46 | 0.9 |
| FM26222212 | FM.26 222 212 | 1/2 | 5 - 46 | 350 | 41 | 38 | 32 | 165.5 | 12.5 | 46 | 0.9 |
| FM26322112 | FM.26 322 112 | 3/4 | 5 - 55 | 350 | 58 | 46 | 43 | 190 | 15 | 58 | 1.75 |
| FM26322212 | FM.26 322 212 | 3/4 | 10 - 110 | 350 | 58 | 46 | 43 | 190 | 15 | 58 | 1.75 |
| FM26122112 | FM.26 122 112 | 1/4 | 0.2 - 2.0 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26422112 | FM.26 422 112 | 1 1/4 | 20 - 180 | 210 | For installation details for 1 1/4" flowmeters see next page | | | | | | 8.0 |
| FM26422212 | FM.26 422 212 | 1 1/4 | 30 - 270 | 210 | | | | | | | 8.0 |
| FM26422312 | FM.26 422 312 | 1 1/4 | 40 - 360 | 210 | | | | | | | 8.0 |

Ordering Information - Water

Standard products table

| Brass flowmeter for water | | Ports BSP | Flow range (l/min) | Maximum pressure (bar) | Dimensions (mm) | | | | | | Weight (kg) |
|---------------------------|---------------|-----------|--------------------|------------------------|--|-------------|----|-------|------|----|-------------|
| Product number | Supersedes | | | | A (A/F Hex) | B (A/F Hex) | C | D | E | F | |
| FM26222122 | FM.26 222 122 | 1/2 | 2 - 20 | 350 | 41 | 38 | 32 | 165.5 | 12.5 | 46 | 0.9 |
| FM26222222 | FM.26 222 222 | 1/2 | 5 - 46 | 350 | 41 | 38 | 32 | 165.5 | 12.5 | 46 | 0.9 |
| FM26322122 | FM.26 322 122 | 3/4 | 5 - 55 | 350 | 58 | 46 | 43 | 190 | 15 | 58 | 1.75 |
| FM26322222 | FM.26 322 222 | 3/4 | 10 - 110 | 350 | 58 | 46 | 43 | 190 | 15 | 58 | 1.75 |
| FM26122122 | FM.26 122 122 | 1/4 | 0.2 - 2.0 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26122222 | FM.26 122 222 | 1/4 | 0.5 - 4.5 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26122322 | FM.26 122 322 | 1/4 | 1 - 9 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26422122 | FM.26 422 122 | 1 1/4 | 20 - 180 | 210 | For installation details for 1 1/4" flowmeters see next page | | | | | | 8.0 |
| FM26422222 | FM.26 422 222 | 1 1/4 | 30 - 270 | 210 | | | | | | | 8.0 |
| FM26422322 | FM.26 422 322 | 1 1/4 | 40 - 360 | 210 | | | | | | | 8.0 |

Note 1: Part numbers featured with bold highlighted codes will ensure a "standard" product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.



Flowline - Oil and Water Calibrated Flowmeters (Stainless Steel)

Flowmeters

Features & Benefits

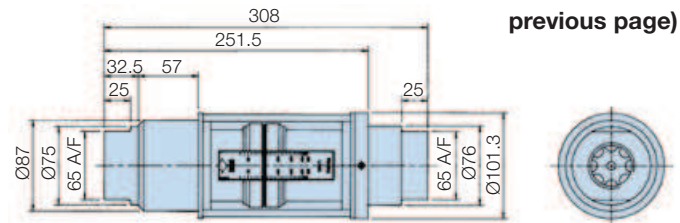


- For flow measurement of corrosive or chemical media or in harsh locations.
- Manufactured in stainless steel 316.
- Works in any plane.
- Pressure up to 350 bar (5000 psi).
- Flows up to 360 l/min.
- Accuracy ±5% FSD.
- Repeatability ±1% FSD.
- Direct reading.
- Oil or water calibrated.
- Optional reed switch upgrade.

1 1/4" BSP option
(1/4", 1/2" and 3/4" on previous page)

Specification

| | |
|---|---|
| Construction: Stainless steel to BS 970 316S. | Viscosity range: 10 to 200 cSt (oil). |
| Maximum working pressure: Up to 350 bar. | Accuracy: ±5% FSD. |
| Minimum working pressure: 1 bar. | Repeatability: ±1% FSD. |
| Temperature range: -20°C to +105°C. | Min. scale reading: 10% FSD. |
| Calibration: Oil Specific gravity 0.856 at 20°C. Water Specific gravity 1.0 at 20°C. | Connections: BSP parallel threads. |



- | | |
|---|---|
| Wetted parts: Body, thread adaptor | Magnet encapsulation: Stainless steel BS970/1:1991. :316S31. |
| Piston, etc: cone locknut: Stainless steel. | Spring: Stainless steel to BS 2056 EN 58J. |
| Flow cone: BS 970 316S 16. | Seal: Fluoroelastomer. |

Note: To add an electrically operated reed switch to your flowmeter please order B26307

Ordering Information - Oil

Standard products table

| Stainless steel flowmeter for oil | | | | | Dimensions (mm) | | | | | | Weight (kg) |
|-----------------------------------|---------------|-----------|--------------------|------------------------|---|-------------|----|-------|------|-----|-------------|
| Product number | Supersedes | Ports BSP | Flow range (l/min) | Maximum pressure (bar) | A (A/F Hex) | B (A/F Hex) | C | D | E | F | |
| FM26232112 | FM.26 232 112 | 1/2 | 2 - 20 | 350 | 41 | 38 | 32 | 165.5 | 12.5 | 46 | 0.9 |
| FM26332112 | FM.26 332 112 | 3/4 | 5 - 55 | 350 | 58 | 46 | 43 | 190 | 15 | 58 | 1.75 |
| FM26332212 | FM.26 332 212 | 3/4 | 10 - 110 | 350 | 58 | 46 | 43 | 190 | 15 | 58 | 1.75 |
| FM26132112 | FM.26 132 112 | 1/4 | 0.2 - 2.0 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26132212 | FM.26 132 212 | 1/4 | 0.5 - 4.5 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26132312 | FM.26 132 312 | 1/4 | 1 - 9 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26232212 | FM.26 232 212 | 1/2 | 5 - 46 | 350 | 41 | 38 | 32 | 165.5 | 12.5 | 46 | 0.9 |
| FM26432112 | FM.26 432 112 | 1 1/4 | 20 - 180 | 350 | For installation details for 1 1/4 flowmeters see above | | | | | 8.0 | |
| FM26432212 | FM.26 432 212 | 1 1/4 | 30 - 270 | 350 | | | | | | 8.0 | |
| FM26432312 | FM.26 432 312 | 1 1/4 | 40 - 360 | 350 | | | | | | 8.0 | |
| | | | | | | | | | | 8.0 | |

Ordering Information - Water

Standard products table

| Stainless steel flowmeter for water | | | | | Dimensions (mm) | | | | | | Weight (kg) |
|-------------------------------------|---------------|-----------|--------------------|------------------------|---|-------------|----|-------|------|-----|-------------|
| Product number | Supersedes | Ports BSP | Flow range (l/min) | Maximum pressure (bar) | A (A/F Hex) | B (A/F Hex) | C | D | E | F | |
| FM26132122 | FM.26 132 122 | 1/4 | 0.2 - 2.0 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26132222 | FM.26 132 222 | 1/4 | 0.5 - 4.5 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26132322 | FM.26 132 322 | 1/4 | 1 - 9 | 350 | 32 | 29 | 19 | 123 | 7 | 32 | 0.4 |
| FM26232122 | FM.26 232 122 | 1/2 | 2 - 20 | 350 | 41 | 38 | 32 | 165.5 | 12.5 | 46 | 0.9 |
| FM26232222 | FM.26 232 222 | 1/2 | 5 - 46 | 350 | 41 | 38 | 32 | 165.5 | 12.5 | 46 | 0.9 |
| FM26332122 | FM.26 332 122 | 3/4 | 5 - 55 | 350 | 58 | 46 | 43 | 190 | 15 | 58 | 1.75 |
| FM26332222 | FM.26 332 222 | 3/4 | 10 - 110 | 350 | 58 | 46 | 43 | 190 | 15 | 58 | 1.75 |
| FM26432122 | FM.26 432 122 | 1 1/4 | 20 - 180 | 350 | For installation details for 1 1/4 flowmeters see above | | | | | 8.0 | |
| FM26432222 | FM.26 432 222 | 1 1/4 | 30 - 270 | 350 | | | | | | 8.0 | |
| FM26432322 | FM.26 432 322 | 1 1/4 | 40 - 360 | 350 | | | | | | 8.0 | |
| | | | | | | | | | | 8.0 | |

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.



Flowline - Flowswitches

Flowmeters

Features & Benefits



- ‘Boxed’ two-switch type.
- Intrinsically safe versions (supplied complete with flowmeter).
- Maximum/minimum switching models.
- Maximum working pressure 350 bar. (min 1 bar)
- Flows from 2.0 to 110 l/min.
- Stainless steel – suitable for corrosive fluids.
- Stainless steel to BS970 316516.

Ordering Information

To order the required switching unit, simply add the appropriate prefix before the part numbers shown below.

Standard products table

| Product number | Supersedes | Description | Switch Range (Typical) |
|--------------------|----------------|--|------------------------------|
| FS643222112 | FS.643 222 112 | 2 switches, 2 - 20 l/min (1/2 BSP) Oil | 2 -12 l/min and 10-20 l/min |
| FS643222212 | FS.643 222 212 | 2 switches, 5 - 46 l/min (1/2 BSP) Oil | 6-24 l/m and 20-46 l/m |
| FS643322112 | FS.643 322 112 | 2 switches, 5 - 55 l/min (3/4 BSP) Oil | 5-30 l/min and 30-55 l/min |
| FS643322212 | FS.643 322 212 | 2 switches, 10 - 110 l/min (3/4 BSP) Oil | 10-50 l/min and 50-110 l/min |

Product configurator

| Brass flowswitch for oil or water | | | | | | |
|-----------------------------------|----------------------------------|----------------------------|--------------------------|------------|-------|------------------------------|
| Product number | | Flow range and (port size) | | Fluid type | | Switch Range (Typical) |
| FS643 | 2 switches | 2221 | 2 - 20 l/min (1/2 BSP) | 12 | Oil | 2 -12 l/min and 10-20 l/min |
| FS67A | Intrinsically safe high switch | 2222 | 5 - 46 l/min (1/2 BSP) | 22 | Water | 20-24 l/m |
| FS67B | Intrinsically safe low switch | 3221 | 5 - 55 l/min (3/4 BSP) | | | 5-30 l/min |
| FS67C | Intrinsically safe hi/low switch | 3222 | 10 - 110 l/min (3/4 BSP) | | | 10-50 l/min and 50-110 l/min |

Product configurator

| Stainless steel flowswitch for oil or water | | | | | | |
|---|----------------------------------|----------------------------|--------------------------|------------|-------|------------------------------|
| Product number | | Flow range and (port size) | | Fluid type | | Switch Range (Typical) |
| FS643 | 2 switches | 2321 | 2 - 20 l/min (1/2 BSP) | 12 | Oil | 2 -12 l/min and 10-20 l/min |
| FS67A | Intrinsically safe high switch | 2322 | 5 - 46 l/min (1/2 BSP) | 22 | Water | 24-46 l/m |
| FS67B | Intrinsically safe low switch | 3321 | 5 - 55 l/min (3/4 BSP) | | | 5-30 l/min |
| FS67C | Intrinsically safe hi/low switch | 3322 | 10 - 110 l/min (3/4 BSP) | | | 10-50 l/min and 50-110 l/min |

Ordering example

| Product number | Supersedes |
|--------------------|-----------------------|
| FS643332212 | FS.643 332 212 |

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.