

Rosemount Annubar® DP Flowmeters

Models: 3051SFA, 3095MFA, 3051CFA, 2051CFA, 485 and 585

- Energy savings gained through minimal permanent pressure loss
- Innovative T-shaped design that increases accuracy by reducing signal noise
- Integral RTD available for fully compensated mass flow measurement with a single pipe penetration



Rosemount Compact Orifice DP Flowmeters

Models: 3051SFC, 3095MFC, 3051CFC, 2051CFC, 405C and 405P

- Reduce straight pipe requirements to 2D upstream and downstream from any flow disturbance
- Reduce installation costs compared to traditional orifice plates with the direct mount, compact design
- Install between standard raised-face flanges, up to a Class 600 (PN100) rating
- Integral RTD enables fully compensated mass flow measurement with a single pipe penetration



Rosemount Integral Orifice DP Flowmeters

Models: 3051SFP, 3095MFP, 3051CFP, 2051CFP and 1195

- Improves accuracy and repeatability in ½-in., 1-in. and 1 ½-in. line sizes
- Self-centering plate design eliminates installation errors that are magnified in small line sizes
- Precision honed pipe sections to increase measurement accuracy



Rosemount Orifice Plate Primary Element Systems

Models: 1595, 1495 and 1496

- Reduce straight pipe requirements to 2D upstream and downstream with the 1595 Conditioning Plate
- Comprehensive offering of orifice plate configurations and flange unions
- Restriction orifice plates available



Rosemount Vortex Flowmeter Series

Models: 8800D, 8800DR, 8800DD and 8800

- Available with MultiVariable output and temperature compensated mass flow for saturated steam
- Reducer™ Vortex extends measurable flow range, reduces installations costs, and minimizes project risk.
- All-welded, non-clog design eliminates ports and gaskets.
- Advanced filtering and diagnostics provides vibration immunity and in-situ troubleshooting.
- The CriticalProcess™ Vortex increases process availability with the unique isolated sensor design



Rosemount Magnetic Flowmeter Series

Models: 8732, 8712, 8705, 8707, 8711 and 8721

- Rosemount 8712H/8707 High-Signal System - Pulsed DC solutions for the most demanding flow measurement applications
- Remote-mount or Integral-mount design, backlit display, easy to use Local Operator Interface and explosion-proof housing
- Available with HART®, FOUNDATION™ fieldbus, or Profibus-PA, I.S. Outputs, Device Diagnostics and SMART™ Meter Verification to improve reliability and performance



Table Flow-1. Flow Product Selection Chart

Flow Product Selection Chart	Annubar DP Flowmeters	Compact DP Flowmeters	Integral Orifice DP Flowmeters	Orifice Plate Assemblies (Models 1595, 1495/6)	Magnetic Flowmeter Systems	Vortex Flowmeter Assemblies
Applications						
Gas and Steam	●	●	●	●	X	●
Clean Liquid	●	●	●	●	●	●
Dirty Liquid	●	●	●	●	●	●
Viscous Liquid	X	●	●	●	●	●
Slurry	X	X	X	X	●	●
Other Measurement Considerations						
Line Sizes	2" - 96" 50 - 2400 mm	½" - 12" 15 - 300 mm	½" - 1 ½" 15 - 40 mm	2" - 24" 50-600 mm	0.15" - 36" 4 - 900 mm	½" - 12" 15 - 300 mm
Flow Accuracy	Up to 0.8% mass flow rate	Up to 0.75% mass flow rate	Up to 0.9% mass flow rate	Discharge coeff. +/- 0.50%	Up to 0.15% of rate	Up to 0.65% of rate
Flow Turndown	14:1	14:1	14:1	N/A	40:1	35:1
Straight Run Req.	8 D	2-10 D	10 D	2-10 D	0-5 D	10 D
Pressure Loss	Low	Medium	Medium	Medium	None	Medium

- Recommended
- May be suitable
- X Not recommended