

# Selection guide

## Vortex flowmeters



Model	84CF (Flanged)	84CN (Threaded/Male NPT)	84CW (Wafer)	84CS (Sanitary)
<b>Applications</b>	Gas, liquid, or steam applications (clean single-phase fluid). General purpose flowmeter for virtually any process industry. Chemical, Oil & Gas, Energy Industries, Utilities.	Gas, liquid, or steam applications (clean single-phase fluid). Direct replacement for turbine, magnetic flow, and orifice meters. Chemical, Oil & Gas, Energy Industries.	Liquid, gas, or steam applications (clean single-phase fluid). General purpose flowmeter for virtually any process industry. Chemical, Oil & Gas, Energy Industries, Utilities.	Liquid, gas, or steam applications (clean single-phase fluid). Hygienic design for Food & Beverage and Pharmaceutical sanitary applications. Wide range of temperature and pressure, ideal for CIP/SIP skid application.
<b>Size</b>	3/4" to 12"; DN15 to DN300	1" to 2"; DN25 to DN50	3/4" to 8"; DN15 to DN200	2" to 3"; DN50 to DN80
<b>Accuracy</b>	±0.5% of reading in liquids ±1.0% of reading in gas and steam ±1.4% of reading in saturated steam	±0.5% of reading in liquids ±1.0% of reading in gas and steam ±1.4% of reading in saturated steam	±0.5% of reading in liquids ±1.0% of reading in gas and steam ±1.4% of reading in saturated steam	±0.5% of reading in liquids ±1.0% of reading in gas and steam ±1.4% of reading in saturated steam
<b>Flowtube material</b>	316 or 304 Stainless Steel	316 or 304 Stainless Steel	316 Stainless Steel or Nickel alloy CW2M (equivalent to Hastelloy C-4C)	316 Stainless Steel tube and 316L Stainless Steel shedder bar
<b>Fittings</b>	Flange ANSI RF, ANSI RTJ, EN 1092-1 Pressure rating ranging from ANSI Class 150 to 1500, DIN PN16 to PN160	Male NPT threaded	Wafer (flangeless) Centering for ANSI Class 150, 300, 600 and Metric PN 63, PN 100; Centering for Metric PN 16 and PN 40; Centering for ANSI Class 600; Centering for Metric PN 16; Centering for Metric PN 40 Wafer (flangeless) Centering for ANSI Class 150, 300, 600 Centering for Metric PN 16, 40, 63, 100	3-A I-line coupling mates with Cherry Burrell 15 WI, SI (DIN 11851) coupling with external knuckle thread, per DIN 405, Part 1; RJT coupling per BS 1864, with external Whitworth thread, 6 TPI; 3-A Tri-clamp type quick -disconnect ferrule, mates with Tri-Clover 14 WMP or equivalent; ISS (ISO 2853) coupling with external Trapezoidal thread, 8 TPI
<b>Temperature range</b>	-20 °C to +200 °C/0 °F to +400 °F +150 °C to +430 °C/+300 °F to +800 °F Temp. comp. devices: +150 °C to +260 °C/+300 °F to +500 °F	-20 °C to +200 °C/-4 °F to +400 °F +150 °C to +430 °C/+300 °F to +800 °F Temp. comp. devices: +150 °C to +260 °C/+300 °F to +500 °F	-20°C to +200 °C/0°F to +400 °F +200°C to +430 °C/+400°F to +800 °F Temp. comp. devices: +150 °C to +260 °C/+300 °F to +500 °F	-18 °C to +177 °C/0 °F to +350 °F Temp. comp. devices: +150 °C to +260 °C/+300 °F to +500 °F
<b>Communication protocols</b>	4-20 mA, HART 7, Modbus RTU	4-20 mA, HART, Modbus	4-20 mA, HART	4-20 mA, HART
<b>Certifications and approvals</b>	ATEX, IECEx, FM, CSA, NEPSI, INMETRO, EAC, KOSHA	ATEX, IECEx, FM, CSA, NEPSI, INMETRO, EAC	ATEX, IECEx, FM, CSA, NEPSI, INMETRO, EAC, KOSHA	ATEX, IECEx, FM, CSA, NEPSI approved with no cracks or crevices wetted-parts
<b>Specific features</b>	Optional: temperature compensated vortex	Temperature compensated vortex	Temperature compensated vortex	Temperature compensated vortex
<b>Specifications*</b>	PSS 1-8A8 A	PSS 1-8A8 A	PSS 1-8A8 A	PSS 1-8A8 A

\* Please use this term in our search window on [www.schneider-electric.com](http://www.schneider-electric.com) to access more product details.