

Vortex Selection Guide



Models	84W	84F	84S	84NPT
Description	Wafer Style Vortex Flowmeter	Flanged Style Vortex Flowmeter	3A Approved Sanitary Style Vortex Flowmeter	Threaded Style Vortex Flowmeter
Application	General purpose volumetric flowmeter for liquids, gases and steam	General purpose volumetric flowmeter for liquids, gases and steam	Sanitary volumetric flowmeter for CIP and SIP applications	General purpose volumetric flowmeter for liquids, gases and steam
Communication	HART	HART	HART	HART
Size	3/4" to 8" (DN15 to DN 200)	3/4" to 12" (DN15 to DN300)	2" to 3" (DN50 to DN80)	1" and 2"
Materials	316 SS, Hastelloy C	316SS and additional materials available	316 SS	316 SS
Accuracy	+/-0.5% of rate over calibrated range	±0.5% of reading in liquids ±1.0% of reading in gas and steam	+/-0.5% of rate over calibrated range	±1.0% of rate Accuracy may vary based on operating conditions. Please use http://www.flowexpertpro.com flow meter sizing program for accuracy at actual operating conditions.
Standard	0 and +400°F (-20 and +200°C)	0 and +400°F (-20 and +200°C)	0 and +400°F (-20 and +200°C)	
Extended	400 and 800°F (200 and 430°C)	400 and 800°F (200 and 430°C)	N/A	
Fluids	Liquids/ gases/steam	Liquids/ gases/steam	Liquids/ gases/steam	Liquids/ gases/steam
Fittings	Wafer construction w/ centering hardware for most standard mating fittings	ANSI 150-1500 PN16-PN160 standard	US, Metric and ISO fittings	MNPT (Male National Pipe Thread),
Certifications	Explosionproof, flameproof and IS for FM, CSA, ATEX, IECEx	Explosionproof, flameproof and IS for FM, CSA, ATEX, IECEx, NEPSI	Explosionproof, flameproof and IS for FM, CSA, ATEX, IECEx	Please contact Foxboro
Specifications	PSS 1-8A3A	PSS 1-8A7 A and PSS 1-8A3A	PSS 1-8A5A	NPT Vortex Datasheet
Sizing	www.flowexpertpro.com	www.flowexpertpro.com	www.flowexpertpro.com	www.flowexpertpro.com