

# Selection guide

## Coriolis flowmeters



Model		CFS300A/CFT34A	CFS400A/CFT34A	CFS600A/CFT34A	CFS700A/CFT34A
<b>Applications</b>		For universal applications and process control	Dual or four straight tube design for bulk flows for custody transfer up to DN400/16"	High performance meter for process industries. Cryogenic, high temperature and high-pressure options	For advanced applications, with single straight measuring tube
<b>Accuracy</b>	Liquid	±0.15% of actual flow rate	±0.1% (optional: ±0.05%) of actual flow rate	±0.1% (optional: ±0.05%) of actual flow rate	±0.1% of actual flow rate
	Gas	±0.35% of actual flow rate	±0.35% of actual flow rate	±0.35% of actual flow rate	±0.35% of actual flow rate
	Density	±2 kg/m <sup>3</sup>	±1 kg/m <sup>3</sup> (±0.2 kg/m <sup>3</sup> on site calibration)	±1 kg/m <sup>3</sup>	±2 kg/m <sup>3</sup> (±0.5 kg/m <sup>3</sup> on site calibration)
<b>Outputs</b>		Current, pulse/frequency status	Current, pulse/frequency, status	Current, pulse/frequency, status	Current, pulse/frequency, status
<b>Inputs</b>		Binary	Binary	Binary	Binary
<b>Communication</b>		HART®, FF, Profibus PA, Profibus DP Modbus	HART®, FF Profibus PA, Profibus DP Modbus	HART®, FF, Profibus PA, Profibus DP Modbus	HART®, FF, Profibus PA, Profibus DP Modbus
<b>Power supply</b>		85 - 250 VAC; 11 - 31VDC; 20.5 - 26 VAC/DC	85 - 250 VAC; 11 - 31VDC; 20.5 - 26 VAC/DC	85 - 250 VAC; 11 - 31VDC; 20.5 - 26 VAC/DC	85 - 250 VAC; 11 - 31VDC; 20.5 - 26 VAC/DC
<b>Protection category</b>	Compact (C)	IP66, 67; NEMA4, 4X, 6	IP66, 67; NEMA4, 4X, 6	IP66, 67; NEMA4, 4X, 6	IP66, 67; NEMA4, 4X, 6
	Field (F)	IP66, 67; NEMA4, 4X, 6	IP66, 67; NEMA4, 4X, 6	IP66, 67; NEMA4, 4X, 6	IP66, 67; NEMA4, 4X, 6
	Wall (W)	IP65; NEMA4, 4X	IP65; NEMA4, 4X	IP65; NEMA4, 4X	IP65; NEMA4, 4X
<b>Device, EN 1092-1</b>		DN15- 50	DN100 - 400	DN10...200	DN6- 80
<b>Connection, EN 1092-1</b>		DN15- 100	DN100- 400	DN10...200	DN10- 100
<b>Device, ASME B16.5</b>		1/2 - 2"	4 - 16"	1/4 - 8"	1/4 - 3"
<b>Connection ASME B16.5</b>		1/2 - 4"	4 - 16"	1/2 - 8"	1/2 - 4"
<b>Pressure rating EN 1092-1</b>		PN40, 63, 100	PN16, 40, 63, 100, 160	PN16, 40, 63, 100, 160	PN40, 63, 100
<b>Pressure rating ASME B16.5</b>		CL 150, 300, 600	CL 150, 300, 600, 900, 1500	CL 150, 300, 600, 900, 1500	CL 150, 300, 600
<b>Hygienic Connection:</b>		1 – 3"	N/A	1/2 – 4"	1/2 - 3"
<b>Secondary pressure containment</b>		100 bar/1450 psi	40 bar/580 psi (opt. 150 bar/2175 psi)	N/A	100 bar/1450 psi
<b>Measuring ranges</b>		4800 - 170000 kg/h	220,000 - 4,600,000 kg/h	600 – 825,000 kg/h	1,230 - 560,000 kg/h
<b>Process temperature</b>		-40 to +130 °C/-40 to +266 °F	-40 to +130 °C/-40 to +266 °F	-50...+400°C / -58...+752°F -200...+40°C / -328...+104°F (Cryogenic)	-40 to +150 °C/-40 to +302 °F
<b>Ambient temperature</b>		-40 to +65 °C/-40 to +149 °F	-40 to +65 °C/-40 to +149 °F	-40...+65°C / -40...+149°F	-40 to +65 °C/-40 to +149 °F
<b>Sensor materials</b>		Stainless steel	Stainless steel, duplex, super duplex	Stainless steel, Hastelloy C22	Duplex steel, Hastelloy C22, titanium, tantalum
<b>Protection category sensor</b>		IP67, NEMA4X	IP67, NEMA4X	IP67, NEMA4X	IP67, NEMA4X
<b>Ex-approvals</b>		ATEX, FM, CSA, NEPSI, IECEx, INMETRO, EAC	ATEX, FM, CSA, NEPSI, IECEx, INMETRO, EAC	ATEX, FM, CSA, NEPSI, IECEx, INMETRO, EAC	ATEX, FM, CSA, NEPSI, IECEx, INMETRO, EAC
<b>Sanitary and material approvals</b>		3A, EHEDG, NACE	NACE	3A; EHEDG; NACE	EHEDG, 3A, ASME Bioprocessing
<b>Custody transfer</b>		NTEP Measurement Canada	OIML R117, INMETRO, NTEP MI 005, MI 002,	MI 002 / MI 005; OIML R117-1 / R137; API; AGA	OIML R117, INMETRO, MI005