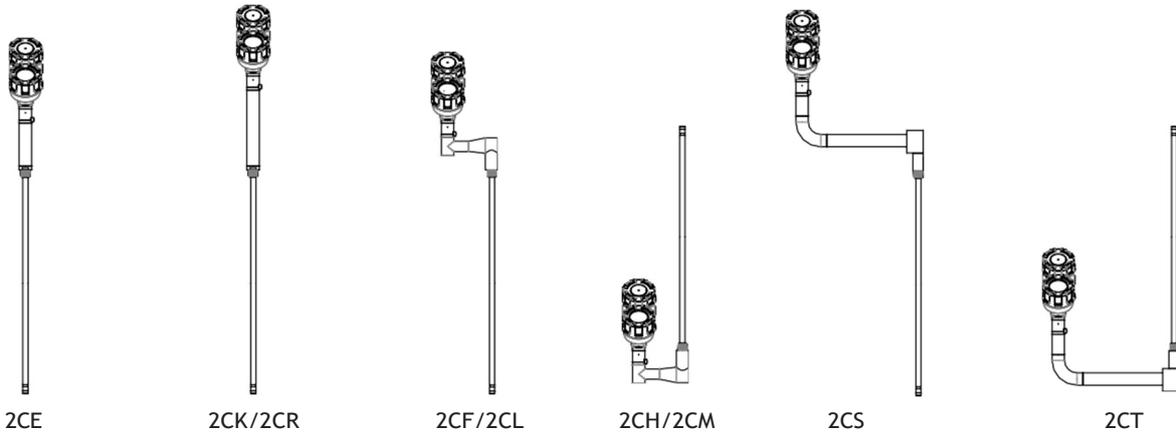


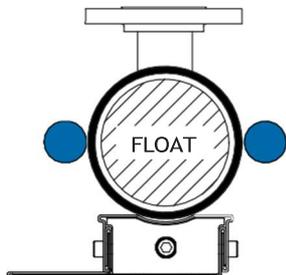
1-3 | BASIC MODEL NUMBER Order code for Jupiter JM4 external mount probe

2CE	Standard	top mount	-40 °C (-40 °F) ≤ T ≤ 260 °C (500 °F)
2CF	Standard	top mount offset	
2CH	Standard	bottom mount offset	
2CK	High temperature	top mount	260 °C (500 °F) < T ≤ 450 °C (850 °F)
2CL	High temperature	top mount offset	
2CM	High temperature	bottom mount offset	
2CR	Cryogenic	top mount	-196 °C (-320 °F) ≤ T ≤ 65 °C (150 °F)
2CS	Cryogenic	top mount offset	
2CT	Cryogenic	bottom mount offset	

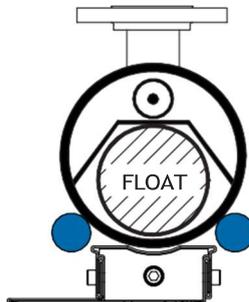


4-5 | MOUNTING LOCATION

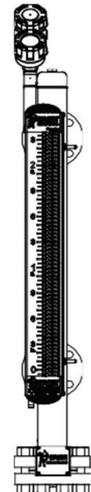
00	Left side mount on MLI or chamber (standard)
01	Right side mount on MLI or chamber



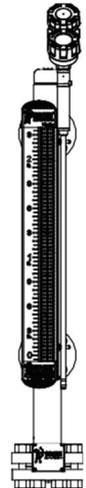
Probe mounting positions on Atlas™, Vector™, and Gemini™ magnetic level indicators.



Probe mounting positions on Aurora® MLI. Probe proximity to the float is critical.



Left side mount (standard)



Right side mount

DIRECT INSERTION FLOATS

The floats listed below are suitable for most applications. Select the appropriate 2-digit float code and place it in the direct insertion probe model number (digits 11 & 12). Consult factory for custom floats or to consult about your specific application.

Direct insertion total level float (uppermost liquid layer)

Float material	Minimum liquid specific gravity	Float code	Float diameter
316/316L SST	≥ 0,83	AA	51 mm (2.0")
	≥ 0,68	AB	58 mm (2.3")
	≥ 0,64	AC	64 mm (2.5")
	< 0,64	99	consult factory
Titanium	≥ 0,70	BA	51 mm (2.0")
	≥ 0,52	BB	57 mm (2.25")
	< 0,52	99	consult factory
Hastelloy® C	≥ 0,86	CA	47 mm (1.85")
	≥ 0,70	CB	57 mm (2.25")
	< 0,70	99	consult factory

Direct insertion interface level float (lower or middle liquid layer) ①

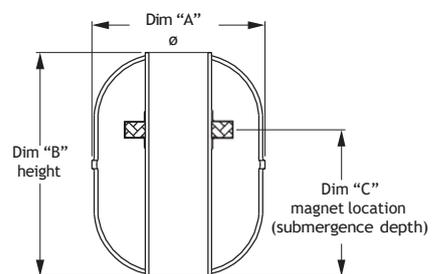
Minimum liquid specific gravity upper / lower	316/316L SST	Titanium	Hastelloy® C
sinks through / floats on ≤ 0,89 / ≥ 1,00	MA Ø 51 mm (2.0")	NA Ø 51 mm (2.0")	PA Ø 47 mm (1.85")
sinks through / floats on ≤ 1,00 / ≥ 1,12	MB Ø 51 mm (2.0")	NB Ø 51 mm (2.0")	PB Ø 47 mm (1.85")

① Consult factory for other S.G. values.

PRESSURE/TEMPERATURE RATINGS FOR STANDARD FLOATS

Temp °C (°F)	Pressure rating (includes 1,5 x safety factor) bar (psi)				
	AA, AB, AC, MA, MB	BA, NA, NB	BB	CA, PA, PB	CB
20 (70)	30,3 (440)	51,7 (750)	27,6 (400)	23,4 (340)	22,1 (320)
40 (100)	30,3 (440)	48,9 (709)	26,1 (378)	23,4 (340)	22,1 (320)
95 (200)	30,3 (440)	38,5 (559)	20,5 (298)	23,4 (340)	22,1 (320)
120 (250)	30,3 (440)	34,1 (494)	18,1 (263)	23,4 (340)	22,1 (320)
150 (300)	30,3 (440)	30,1 (437)	16,1 (233)	23,4 (340)	22,1 (320)
175 (350)	30,2 (438)	26,6 (386)	14,2 (206)	23,4 (340)	22,1 (320)
200 (400)	29,4 (427)	23,5 (341)	12,5 (182)	23,4 (340)	22,1 (320)
230 (450)	28,3 (411)	20,9 (303)	11,2 (162)	23,2 (337)	21,9 (318)
260 (500)	27,3 (396)	18,8 (273)	10,1 (146)	23,1 (335)	21,7 (315)
290 (550)	26,5 (385)	17,2 (250)	9,2 (133)	22,5 (326)	21,1 (306)
315 (600)	25,8 (374)	16,0 (232)	8,5 (124)	21,8 (316)	20,5 (298)
345 (650)	25,3 (367)	15,0 (217)	8,0 (116)	21,2 (308)	19,9 (289)
370 (700)	24,9 (361)	14,1 (205)	7,5 (109)	20,6 (299)	19,4 (281)
400 (750)	24,5 (356)	13,2 (192)	7,0 (102)	20,4 (296)	19,2 (278)
425 (800)	24,3 (352)	12,2 (177)	6,5 (94)	20,2 (293)	19,0 (276)

PHYSICAL DIMENSIONS



Float Code	Dim. A mm (inch)	Dim. B mm (inch)	Dim. C mm (inch)
AA	51 (2.0)	69 (2.7)	47 (1.84)
AB	58 (2.3)	76 (3.0)	51 (2.0)
AC	64 (2.5)	76 (3.0)	54 (2.14)
BA	51 (2.0)	71 (2.8)	50 (1.98)
BB	57 (2.25)	76 (3.0)	53 (2.08)
CA	47 (1.85)	76 (3.0)	52 (2.06)
CB	57 (2.25)	109 (4.3)	76 (3.01)
MA	51 (2.0)	69 (2.7)	34 (1.35)
MB	51 (2.0)	69 (2.7)	34 (1.35)
NA	51 (2.0)	71 (2.8)	36 (1.4)
NB	51 (2.0)	71 (2.8)	36 (1.4)
PA	47 (1.85)	76 (3.0)	38 (1.5)
PB	47 (1.85)	76 (3.0)	38 (1.5)

Two floats for total level and interface measurement

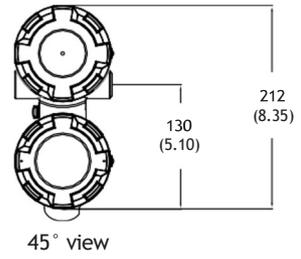
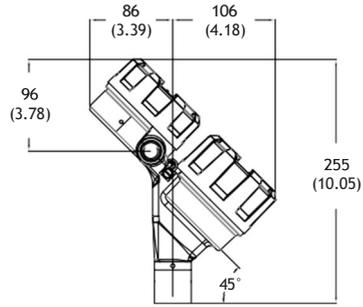
When utilizing two floats to measure total and interface liquid levels, reference the chart to determine the appropriate float code to insert into the Jupiter® model number.

Code	Total	Interface
11	AA	MA
12	AB	
13	AC	
21	AA	MB
22	AB	
23	AC	
31	BA	NA

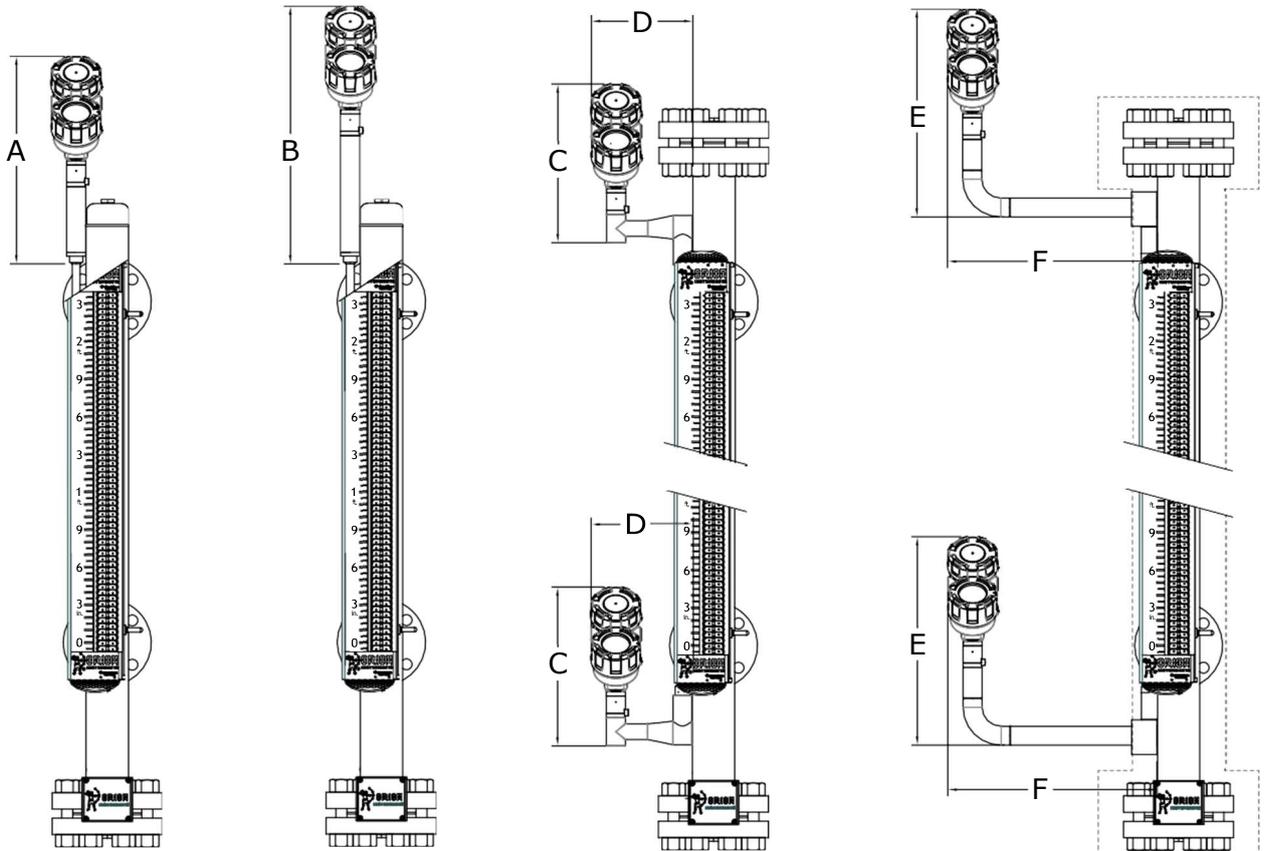
Code	Total	Interface
32	BB	NA
41	BA	NB
42	BB	
51	CA	PA
52	CB	
61	CA	PB
62	CB	

DIMENSIONS in mm (inches)

Transmitter head/electronics



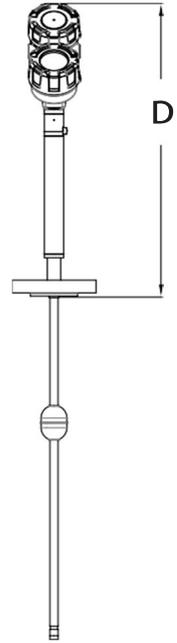
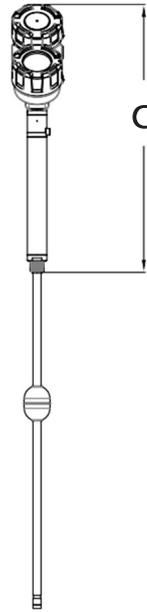
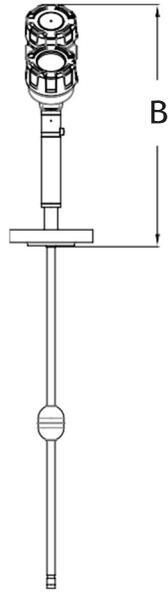
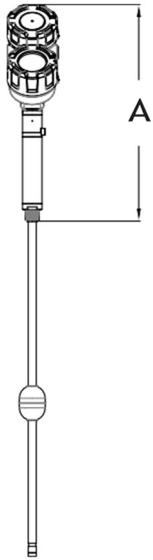
Units with external mount probe



Dashed line represents cryogenic insulation.

Probe model	Dimensions	
2CE	A = 417 (16.4)	
2CK, 2CR	B = 518 (20.4)	
2CF, 2CH, 2CL, 2CM	C = 323 (12.7)	D = 203 (8.0)
2CS, 2CT	E = 422 (16.6)	F = 419 (16.5)

Units with direct insertion probe



Probe model	Dimensions	
	Threaded	Flanged
2C1	A = 432 (17.0)	B = 483 (19.0)
2C2, 2C8	C = 533 (21.0)	D = 584 (23.0)