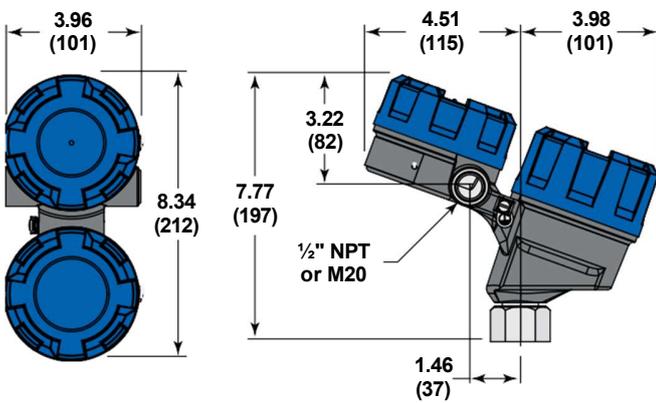


INCHES (MM)

Transmitter



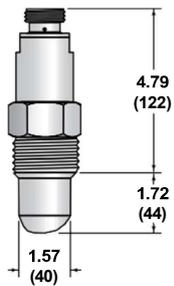
POLYPROPYLENE AND PTFE FACED-FLANGE ANTENNA

	Model Number	Process Connection	Horn Size		
			1 1/2"	2"	3"
Dim. A	E Encapsulated Polypropylene Horn	1 1/2" NPT	4.79 (122)	—	—
		2" 150#	—	3.94 (100)	—
		3" 150#	—	—	10.56 (268)
		4" 150#	—	—	11.39 (289)
Dim. A	F Faced Flange PTFE Horn	2" 150#	—	3.94 (100)	—
		3" 150#	—	—	4.69 (119)

HORN ANTENNA

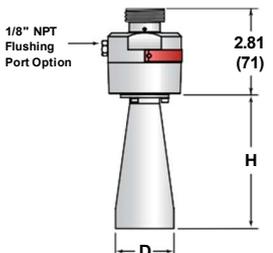
	Model Number	3rd Digit (Horn Size)			
		11th Digit (Extension)	1 (1 1/2")	2 (2")	3 (3")
Dim. H	0 (None)	3.2 (81)	4.5 (114)	8.5 (216)	11.5 (292)
Dim. L	1 (4")	6 (152)	—	—	—
	2 (8")	8 (203)	8.3 (211)	—	—
	3 (12")	12 (305)	12 (305)	12.4 (315)	14.4 (366)
	4 (24")	24 (610)	24 (610)	24 (610)	24 (610)
	5 (48")	48 (1219)	48 (1219)	48 (1219)	48 (1219)
	6 (72")	72 (1829)	72 (1829)	72 (1829)	72 (1829)
Dim. D		1.56 (40)	1.89 (48)	2.95 (75)	3.74 (95)

NPT Connection

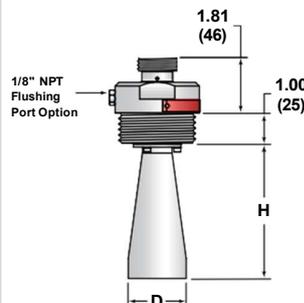


Model RBE

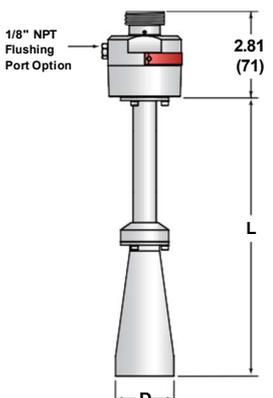
BSP Connection



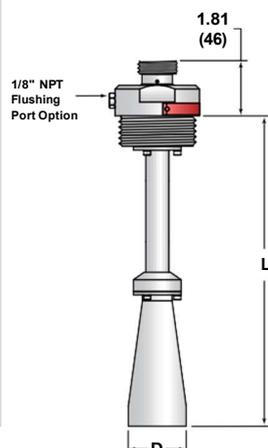
Model RBX



Model RBX

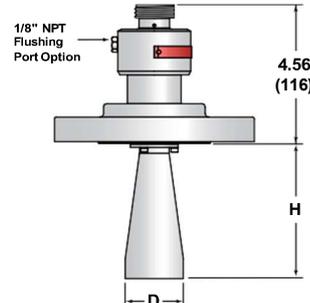


Model RBX

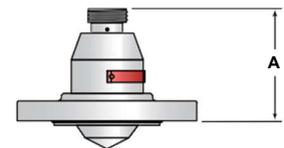


Model RBX

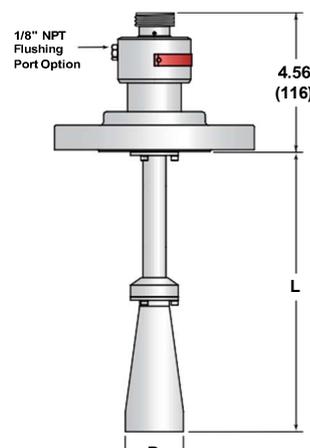
Flange Connection



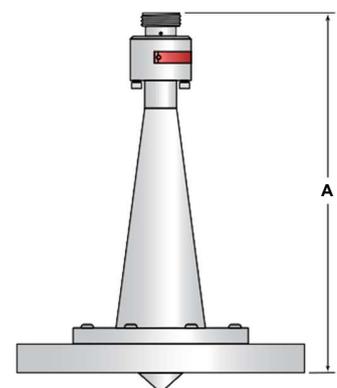
Model RBX



Model RBE/RBF



Model RBX



Model RBE

1-3 | MEASUREMENT SYSTEM

R 8 6	Through-Air Radar Level Transmitter - 26 GHz Pulse Burst Radar
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4 | POWER

5	24 VDC, Two Wire
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5 | SIGNAL OUTPUT

1	4-20 mA with HART
2	FOUNDATION fieldbus™ H1 (NOT available when 8th digit = 3 or B)
3	PROFIBUS PA (NOT available when 8th digit = 3 or B)

6 | SAFETY OPTIONS

0	None (FOUNDATION fieldbus and PROFIBUS only, 5th digit = 2 or 3)
1	SIL 2 Hardware - HART only (5th digit = 1)
A	None (FOUNDATION fieldbus and PROFIBUS only, 5th digit = 2 or 3) – ETSI ①
B	SIL 2 Hardware - HART only (5th digit = 1) – ETSI ①

① Must be used with 3-inch or 4-inch horn

7 | ACCESSORIES/MOUNTING

0	No Digital Display and Keypad - Integral
A	Digital Display and Keypad - Integral

8 | CLASSIFICATION

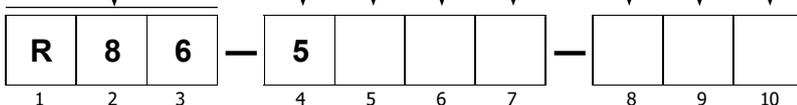
0	General Purpose, Weatherproof (IP 67)
1	Intrinsically Safe or Non-incendive (FM & CSA)
3	Explosion-proof (FM & CSA)
A	Intrinsically Safe (ATEX/IEC)
B	Flame-proof (ATEX/IEC) Zone 0 requires Antenna 10th digit = 0, 8 or N
C	Non-sparking (ATEX)
D	Dust Ignition-proof

9 | HOUSING

1	Die-cast Aluminum, Dual Compartment, 20-degree
2	Investment Cast, 316ss, Dual Compartment, 20-degree

10 | CONDUIT CONNECTION

0	1/2" NPT
1	M20
2	1/2" NPT with sunshade
3	M20 with sunshade





ANTENNA MODEL NUMBER

1-2 | TECHNOLOGY

R B	Pulsar Radar Antennas - 26 GHz
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3 | CONFIGURATION/STYLE

1	1 1/2" Horn
2	2" Horn
3	3" Horn (not available when 4th digit = 3, 4, or D, or when 11th digit = 0)
4	4" Horn (not available when 4th digit = 3, 4, or D, or when 11th digit = 0)
E	Encapsulated – Polypropylene (available only when 4th and 5th digits = 31, 43, 53, 63, 73, DA, EA, FA, GA)
F	Faced Flange – PTFE Coated Wetted Surfaces (available only when 4th and 5th digits = 43, 53, DA, EA)
H	Hygienic (future)

4-5 | PROCESS CONNECTION – SIZE/TYPE

31	1 1/2" NPT thread	41	2" NPT Thread
32	1 1/2" BSP (G 1 1/2") thread	42	2" BSP (G 2") Thread

ASME Flanges

EN (DIN) Flanges

43	2" 150# ASME raised face flange	D A	DN 50, PN 16	EN 1092-1 Type A
44	2" 300# ASME raised face flange	D B	DN 50, PN 25/40	EN 1092-1 Type A
45	2" 600# ASME raised face flange	D D	DN 50, PN 63	EN 1092-1 Type B2
53	3" 150# ASME raised face flange	E A	DN 80, PN 16	EN 1092-1 Type A
54	3" 300# ASME raised face flange	E B	DN 80, PN 25/40	EN 1092-1 Type A
55	3" 600# ASME raised face flange	E D	DN 80, PN 63	EN 1092-1 Type B2
63	4" 150# ASME raised face flange	F A	DN 100, PN 16	EN 1092-1 Type A
64	4" 300# ASME raised face flange	F B	DN 100, PN 25/40	EN 1092-1 Type A
65	4" 600# ASME raised face flange	F D	DN 100, PN 63	EN 1092-1 Type B2
73	6" 150# ASME raised face flange	G A	DN 150, PN 16	EN 1092-1 Type A
74	6" 300# ASME raised face flange	G B	DN 150, PN 25/40	EN 1092-1 Type A
75	6" 600# ASME raised face flange	G D	DN 150, PN 63	EN 1092-1 Type B2

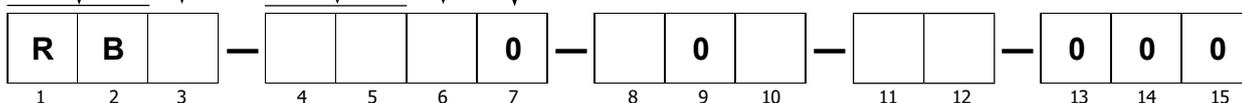
3" RBE are Raised Face Lap Joint Flange

6 | CONSTRUCTION CODES

0	Industrial
K	ASME B31.1
L	ASME B31.3
M	ASME B31.3 & NACE MR0175 / MR0103
N	NACE MR0175 / MR0103

7 | FLANGE OPTIONS

0	None
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ANTENNA MODEL NUMBER

8 | MATERIAL OF CONSTRUCTION - MFG/NUT/ROD/INSULATION

A	316SS/316L SS
B	Hastelloy C
R	316SS/316L SS with Carbon Steel Flange
S	Hastelloy C with Carbon Steel Flange

9 | FUTURE

0	None
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10 | O-RING MATERIALS/SEAL OPTIONS ①

0	Viton VX065
2	Kalrez 4079 (not suitable for ATEX/IEC flameproof Zone 0)
8	Simriz SZ485 (formerly Aegis PF128) — NACE
A	Kalrez 6375 (not suitable for ATEX/IEC flameproof Zone 0)
N	None - Alumina seal

① Refer to pages 5 and 6 for temperature extension information

11 | ANTENNA EXTENSIONS – refer to page 12 ⑤

0	None
1	For nozzle height ≤ 4" (100 mm) (available only when 3rd Digit = 1)
2	For nozzle height ≤ 8" (200 mm) (not available when 3rd Digit = 3 or 4)
3	For nozzle height ≤ 12" (300 mm)
4	For nozzle height ≤ 24" (600 mm)
5	For nozzle height ≤ 48" (1200 mm)
6	For nozzle height ≤ 72" (1800 mm)

⑤ Not available for RBE and RBF antenna

12 | SPECIAL OPTIONS

0	None
1	1/8" NPT Flushing Connection

