



TABLE 1.

FLANGE SIZE DN / ASME	ANTENNA SIZE (mm) ØD(MAX)	L	ANTENNA PLATE ODØ (mm)	MIN. DISTANCE TO PRODUCT LEVEL WITH REDUCED ACCURACY (mm)
80 / 3"	70	95	Ø130	150
100 / 4"	93	150	Ø154	200
150 / 6"	141	260	Ø215	300
200 / 8"	189	375	Ø265	400
250 / 10"	239	495	Ø324	550

- 4 CHECK SIL SAFETY MANUAL FOR SIL SPECIFIC INSTALLATION REQUIREMENTS.
- 3 NOZZLE HEIGHT: FOR BEST MEASUREMENT PERFORMANCE IT IS RECOMMENDED THAT ANTENNA TIP ENDS OUTSIDE THE NOZZLE (CONE L-20mm). MAX NOZZLE HEIGHT IS CONE L+150mm (PERFORMANCE MAY BE REDUCED)
- 2 PRESSURE AND TEMP RATING: FOR PRESSURE APPLICATIONS, CALCULATION OF FLANGE THICKNESS HAS TO BE DONE WITH RESPECT TO FLANGE MATERIAL, GASKET TYPE AND BOLTING. MAX ALLOWABLE RATING FOR ANTENNA TANK SEAL IS DEPENDING ON THE SEAL TYPE AND O-RING ORDERED.
- 1 RECOMMENDED INSTALLATION DISTANCE FROM TANK WALL TO RADAR GAUGE IS 600 mm. INSTALLATION CLOSER TO THE TANK WALL MAY REDUCE PERFORMANCE.

06	ANTENNA ADAPTER		RTR
05	GASKET	SEE NOTE 2	CUSTOMER
04	ANTENNA PLATE	DIMENSIONS, SEE TABLE 1	RTR
03	BOLTING	ACC TO FLANGE STD	CUSTOMER
02	FLANGE WITH CENTER HOLE Ø34±0.3mm THICKNESS: MAX 42mm	FLANGE DIMENSIONS ACC TO: EN1092-1, DN80-DN250 ASME B16,5 3"-10", P/T RATING, SEE NOTE 2	CUSTOMER
01	TANK FLANGE		
POS	ITEM DESCRIPTION	REMARK	SUPPLIER

ISSUED BY EMe-BL	WEEK 1035	PRODUCT CODE 5900	FILE ACAD	INSTALLATION DRAWING TITLE <b>MECHANICAL INSTALLATION DWG CONE ANTENNA</b>			
APPROVED BY EMe-MH	WEEK 1043	ORIGINAL DWG NO. -	SCALE -	DOC TYPE 2	DWG NO. D9240040-984	ISSUE 03	SHEET 01/01
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