



TABLE 1.

FLANGE SIZE DN / ANSI	ANTENNA SIZE (mm) ØD(MAX)	ANTENNA OPENING SLOPE	ANTENNA PLATE ODø (mm)
80 / 3"	70	15°	ø130
100 / 4"	93	15°	ø154
150 / 6"	141	15°	ø215

- NOZZLE HEIGHT: FOR BEST MEASUREMENT PERFORMANCE IT IS RECOMMENDED THAT ANTENNA TIP ENDS OUTSIDE THE NOZZLE (MIN 20mm) CYLINDRICAL ANTENNA LENGTH IS NEEDED FOR CONFIGURATION DATA.
- 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 ARE DEPENDING ON THE SEAL TYPE AND O-RING SELECTION.
- RECOMMENDED INSTALLATION DISTANCE FROM TANK WALL TO RADAR GAUGE IS 600 mm. INSTALLATION CLOSER TO TANK WALL MAY REDUCE PERFORMANCE.

05	GASKET	1	SEE NOTE 2.	CUSTOMER
04	ANTENNA PLATE	1	DIMENSIONS, SEE TABLE 1.	RTR
03	BOLTING	1	ACC TO FLANGE STD	CUSTOMER
02	FLANGE WITH CENTRE HOLE ø34±0.3mm. THICKNESS: Max 42mm	1	FLANGE DIMENSIONS ACC TO: EN1092-1 DN80-DN150, ANSI B16.5, 3"-6" P/T RATING, SEE NOTE 2	CUSTOMER
01	TANK FLANGE	1	P/T RATING, SEE NOTE 2	CUSTOMER
POS	ITEM DESCRIPTION	QTY	REMARK	SUPPLIER

ISSUED BY: GU-HF
 APPROVED BY: GU-MK
 WEEK: 9915
 ORIGINAL DWG NO.: 9150074-919

PRODUCT CODE: PRO/5600
 IDEAS/ACAD SCALE: PRO/5600
 MECHANICAL INSTALLATION DWG
 CONE ANTENNA EXT.

1 ST ANGLE
 2
 9150074-919
 DWG NO.

DOC TYPE: 2
 ISSUE: 3
 SHEET: 1/1

ROSEMOUNT

THE COPYRIGHT/OWNERSHIP OF THIS DOCUMENT IS AND WILL REMAIN WITH ROSEMOUNT. CONTRADICTION WILL BE PROSECUTED. ROSEMOUNT TANK RADAR AB, SWEDEN.

OUR: THE DOCUMENT MUST NOT BE USED WITHOUT OUR AUTHORIZATION

INST. DWG. A3 2001-09-28