

GENERAL NOTES:

1. DIMENSIONS
 - SHOWN IN INCHES W/ MM EQUIVALENTS IN BRACKETS
 - OVERALL LENGTH = CENTERS + FLOAT LENGTH + MATING FLANGE THICKNESS + 8.063" [205]
2. OPERATING CONDITIONS
 - MAX PRESSURE, MAX TEMPERATURE, & MIN SPECIFIC GRAVITY REQUIRED FOR PROPER GAGE DESIGN
3. PART NUMBER
 - CONSULT "MAGNicator® MAGNETIC LIQUID LEVEL INDICATION PRODUCTS" (BULLETIN M100.01) FOR COMPLETE PART NUMBER DETAILS & LIST OF AVAILABLE OPTIONS
4. STANDPIPE SIZE
 - 2 ½" [65] SCH. 40 (STANDARD) MAGNicator STANDPIPE / 3" [80] SCH. 40 (STANDARD) BY-PASS STANDPIPE
 - CONSULT FACTORY FOR OPTIONAL STANDPIPE SIZE AND/OR SCHEDULE (DEPENDENT ON OPERATING CONDITIONS)
5. MATERIALS OF CONSTRUCTION
 - 304/304LSS W/ CS TRIM (CAP, FLANGES, BOLTING, & PLUGS) (STANDARD)
 - 316/316LSS W/ CS TRIM (CAP, FLANGES, BOLTING, & PLUGS) (STANDARD)
 - ALL 304/304LSS (316SS BOLTING) (STANDARD)
 - ALL 316/316LSS (316SS BOLTING) (STANDARD)
 - CONSULT "MAGNicator® MAGNETIC LIQUID LEVEL INDICATION PRODUCTS" (BULLETIN M100.01) FOR A COMPLETE LIST OF AVAILABLE MATERIALS
6. FLOAT MATERIALS
 - 316LSS (STANDARD)
 - TITANIUM (STANDARD)
 - MONEL 400
 - HASTELLOY C276
7. FLOAT LENGTHS
 - 12" [305] (STANDARD)
 - 17" [432] (STANDARD)
 - 22" [559] (STANDARD)
 - LENGTHS DEPENDENT ON OPERATING CONDITIONS
 - CONSULT FACTORY FOR CUSTOM LENGTHS
8. GASKET MATERIALS
 - GARLOCK IFG5500 (MAX TEMPERATURE ≤ 550°F) (STANDARD)
 - GRAFOIL® (MAX TEMPERATURE > 550°F) (STANDARD)
 - CONSULT FACTORY FOR OPTIONAL GASKET MATERIALS
9. PROCESS FLANGES
 - ½" [15] THRU 1" [25] ANSI/ASME RAISED-FACE SLIP-ON FLANGES (STANDARD)
 - 1 ½" [40] THRU 6" [150] ANSI/ASME RAISED-FACE SLIP-ON FLANGES (REDUCED TO 1") AVAILABLE ON REQUEST (MAY REQUIRE INCREASE IN SECTION A-A DIMENSION SHOWN)
 - RAISED-FACE DIN FLANGES AVAILABLE ON REQUEST
 - (2) SIDE FLANGES (STANDARD)
 - (2+) SIDE FLANGES AVAILABLE ON REQUEST
10. VENT / DRAIN CONNECTIONS
 - ½" [15] FNPT (SHOWN) (STANDARD)
 - ½" [15] THRU 1 ½" [40] FNPT, MNPT, FSW, & MSW
 - ½" [15] TO 3" [80] RAISED-FACE ANSI/ASME & DIN FLANGED
11. INDICATION
 - YELLOW / BLACK FLAGS IN ALUMINUM HOUSING (SHOWN) (STANDARD)
 - HERMETICALLY-SEALED FLAGS IN POLYCARBONATE TUBE W/ 316SS FRAME (BULLETIN M100.110)
 - HERMETICALLY-SEALED FLAGS IN GLASS TUBE W/ 316SS FRAME (BULLETIN M100.110)
 - NIGHTSTAR™ (ILLUMINATED FLAGS) (120 OR 240 VAC) (BULLETIN M100.140)
12. SCALES
 - FEET / INCHES (SHOWN) (STANDARD)
 - METER / MILLIMETER
 - PERCENT
 - CONSULT FACTORY FOR SPECIAL SCALES
13. POINT LEVEL SWITCHES
 - SAS-16 TRI-MAGNET (BULLETIN M100.27)
 - RS-2 (SPDT) HERMETICALLY-SEALED REED (BULLETIN M100.20)
 - RS-2/2 (DPDT) HERMETICALLY-SEALED REED (BULLETIN M100.20)
14. 4-20mA TRANSMITTERS
 - GUIDED WAVE RADAR
 - MTII-4300 MAGNETOSTRICTIVE (BULLETIN M100.23)
 - RST2 REED SWITCH (BULLETIN M100.22)

OPTION	A
W/O STEAM COMPENSATION	8" [203]
W/ STEAM COMPENSATION	18" [457]

ANSI/ASME PROCESS FLANGE
TYP. (2)
(SEE GENERAL NOTE 9)

OVERALL LENGTH
(SEE GENERAL
NOTE 1)

FLOAT LENGTH
(SEE GENERAL
NOTE 7)

CENTERS

PLUG 1/2" [15] NPT
(SEE GENERAL NOTE 10)
TYP. (2)

(A) SEE TABLE
ABOVE

VISIBLE
RANGE

2-1/2" [65] ANSI/ASME
RAISED-FACE
SLIP-ON FLANGE

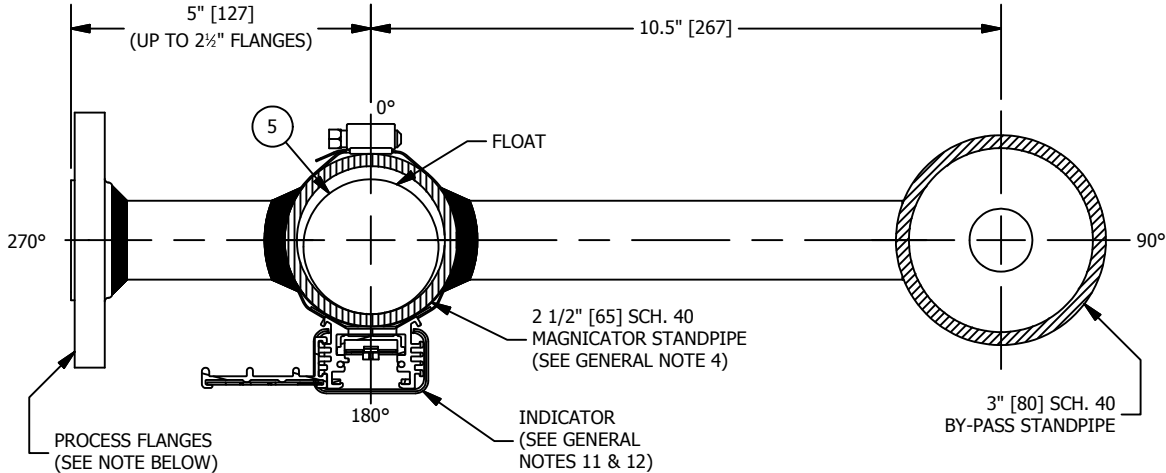
NOTE: AS STANDARD, PROCESS FLANGES WILL
BE ORIENTED AT 0°. THEY ARE SHOWN IN THIS
DRAWING AT 90° FOR EASE OF VIEWING.

BILL OF MATERIAL

NO.	NAME OF PART	MATERIAL	REMARKS
1	MAGNicator STANDPIPE		
2	FLANGE, SLIP-ON		
3	FLANGE, THREADED		
4	CAP		
5	FLOAT		
6	PLUG		
7	STUD		
8	HEAVY HEX NUT		
9	PROCESS FLANGE		
10	NIPPLE		
11	GASKET		
12	INDICATOR		
13	REDUCER, CONCENTRIC		
14	ELBOW		
15	STANDPIPE NIPPLE		
16	STANDPIPE NIPPLE		
17	BY-PASS STANDPIPE		
18	FLANGE, SLIP-ON		
19	GUIDED WAVE RADAR, FLANGED		
20	GASKET		
21	STUD		
22	HEAVY HEX NUT		

OPERATING CONDITIONS

MAX PRESSURE	
MAX TEMPERATURE	
MIN SPECIFIC GRAVITY	
PROCESS FLUID	



SECTION A-A

MANUFACTURED BY
Clark-Reliance®
16633 FOLTZ PARKWAY
STRONGSVILLE, OH 44149 USA
(440) 572-1500 | www.clarkreliance.com
© Clark-Reliance® Corporation. All Rights Reserved.

JERGUSON®
MODEL MGWR-SF
MAGNicator COUPLED WITH BY-PASS CHAMBER
FOR GUIDED WAVE RADAR TRANSMITTER
(W/ 150-300# ANSI/ASME FLANGES)

DRAWN: SSF	REV.:
CHECKED: MK	
DATE: 1/22/2014	
REVISION: 2	
DRAWING NO.: MGWR-SF1	

2	4/27/2018	DELETE LEVELSTAR, "II" NOTATION METRIC SCALE TO M/MM, MTII4200 TO 4300	JLi
REV	DATE	REVISION	BY