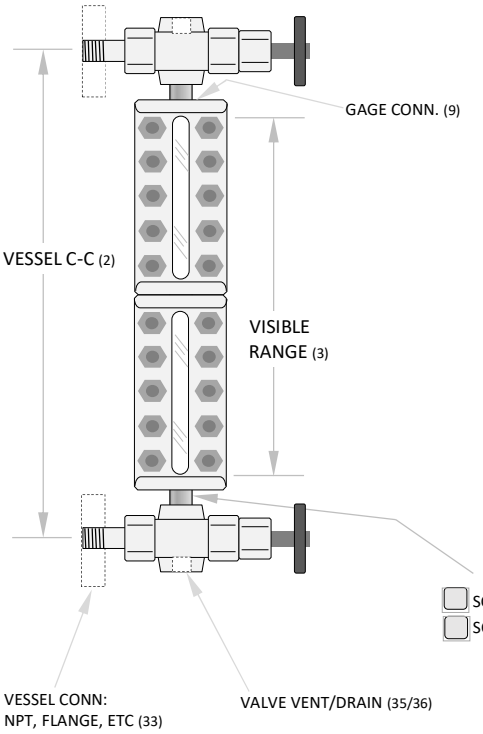
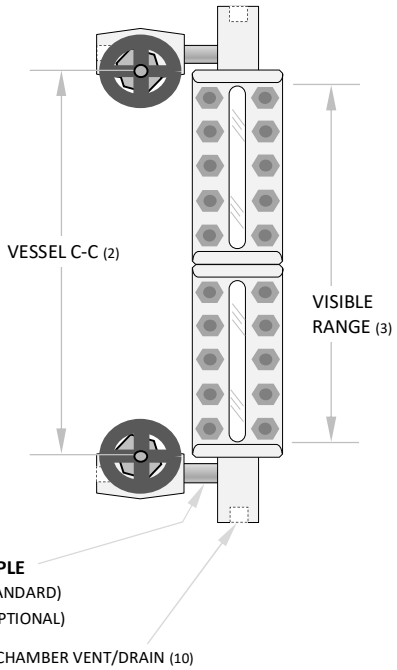
ASSEMBLY / 270 VIEW
GAGE CONN. LOCATION: END



ASSEMBLY / 180 VIEW
GAGE CONN. LOCATION: SIDE "CH"



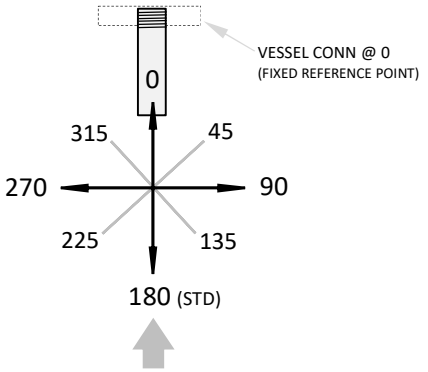
Questtec SOLUTIONS

SIGHT GLASS
FIELD SPECIFICATION GUIDE

2019-B

QUEST-TEC SOLUTIONS HOUSTON, TX
281-240-0440 SALES@QTSLEVEL.COM
www.QTSLEVEL.com

VIEW ANGLE: 180 STANDARD
TOP / PLAN VIEW OF ASSEMBLY



SPECIFY VIEW ANGLE: _____

1. TAG NO: _____
2. VESSEL C-C: _____
3. VISIBLE RANGE: _____

GAGE DETAILS

4. GLASS SIZE: _____ NO. OF SECTIONS: _____
5. GAGE STYLE: ☐ STANDARD CHAMBER ☐ LARGE CHAMBER
6. GAGE GLASS TYPE: ☐ REFLEX ☐ TRANSPARENT
7. PRESSURE SERIES: ☐ LOW ☐ MEDIUM ☐ HIGH
8. GAGE CHAMBER CONN LOCATION: ☐ END ☐ SIDE "CH" ☐ BACK "BCH"
9. GAGE CONN: ☐ 1/2"NPT ☐ 1/2"SW ☐ 3/4"NPT ☐ 3/4"SW
10. CH, VENT/DRAIN: ☐ 1/2"NPT ☐ 1/2"SW ☐ 3/4"NPT ☐ 3/4"SW
11. VENT/DRAIN VALVES: ☐ GATE VALVE ☐ BALL VALVE
(SPECIFY V&D VALVE BODY, TRIM, TYPE, DETAILS IN NOTE SECTION)

GAGE MATERIALS

12. CHAMBER: ☐ CARBON STL ☐ LOW TEMP CS ☐ 316
☐ OTHER: _____
13. COVERS: ☐ CARBON STL ☐ LOW TEMP CS ☐ 316
☐ OTHER: _____
14. BOLTING: ☐ A-193 B7/A-194 2H ☐ B8M/8M 316 ☐ B7M/2HM (NACE)
☐ OTHER: _____
15. GASKET: ☐ IFG5500 (STD) ☐ GRAFOIL GHR ☐ TEFLON
16. CUSHION: ☐ IFG5500 (STD) ☐ GRAFOIL GHR ☐ TEFLON
17. OTHER GASKET/CUSHION: _____
18. GLASS: ☐ BOROSILICATE (600 F MAX) ☐ ALUMINOSILICATE (800 F MAX)

GAGE OPTIONS

19. ☐ INSUL. JACKET ☐ MICA SHIELDS ☐ PCTFE SHIELDS ☐ FT/IN SCALE
20. ☐ % SCALE ☐ SUPPORT BRACKETS ☐ SPRING WASHERS
21. NON-FROST EXTENSIONS: ☐ 3-5/8" ☐ 4-5/8" ☐ 5-5/8"
22. ☐ STEAM TRACE 3/8" 316SS OUTSIDE GAGE BOLTING ☐ STEAM TRACE 316SS UNDER GAGE BOLTING ☐ ELECTRICAL HEAT TRACE

ILLUMINATOR

☐ AMBER LED FOR WATER/STEAM SERV.

23. ☐ GREEN LED, STD COVER ☐ GREEN LED, CLEAR GLASS COVER
24. ☐ WHITE LED, STD COVER ☐ WHITE LED, CLEAR GLASS COVER
25. ☐ HIGH-TEMP (GLASS LED COVER W/ INSULATION STRIPS) ☐ REMOTE MOUNT PWR. SUPPLY

APPLICATION DETAILS

26. MAX OPERATING PSI: _____ MAX. OPERATING DEG F: _____
27. DESIGN PRESSURE: _____ DESIGN TEMP: _____
28. SERVICE: _____
29. BOILER FEED WATER (BFW) OR STEAM CONDENSATE? ☐ YES ☐ NO ☐ ASME SECTION I (CHECK TO MEET BOILER CODE)

VALVE DETAILS

30. VALVE TYPE: ☐ INTEGRAL BONNET/SEAT ☐ UNION BONNET/RENEWABLE SEAT
☐ OS&Y BOLTED BONNET/RENEWABLE SEAT
31. VALVE BODY PATTERN: ☐ OFFSET (STANDARD) ☐ STRAIGHT (NOT RECOMMENDED, DOES NOT ALLOW CLEAN-OUT)
32. OPERATOR: ☐ HANDWHEEL (STD) ☐ LEVER W/ CHAIN (SPECIFY CHAIN DROP LENGTH)
33. VESSEL CONN: _____ ☐ UNION ☐ NON-UNION
34. GAGE CONN: _____ ☐ UNION ☐ NON-UNION
35. VENT CONN: _____
36. DRAIN CONN: _____

VALVE MATERIALS

37. BODY: ☐ CARBON STL ☐ LOW TEMP CS ☐ 316
☐ OTHER: _____
38. TRIM: ☐ 416 SS (STD) ☐ 316 SS (NACE) ☐ MONEL
☐ OTHER: _____
39. NON-WETTED PARTS (EXTERNAL): ☐ SAME AS BODY ☐ CARBON STL ☐ 316
40. PACKING: ☐ TEFLON (STD) 450 F MAX. ☐ GRAFOIL ☐ LOW-E (GRAPHITE) API 622 PACKING ONLY ☐ API 624 LOW-E CERTIFIED VALVE TYPE

ADDITIONAL NOTES

(VENT/DRAIN DETAILS/PLUGS, NDE: X-RAY/DYE-PEN/VISUAL LEV-II, TESTING, DOCUMENTS JOB REQ'MNTS, PWHT, SPECIAL COATING, OFFSHORE COATING, PMI, HYDROTEST, MTR, ETC)