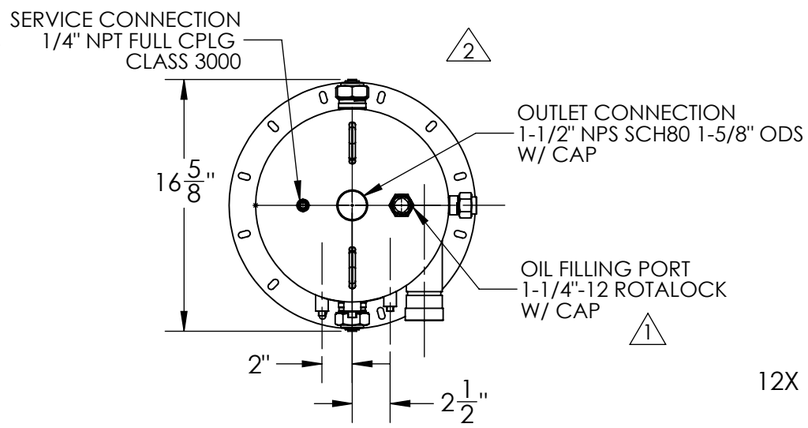
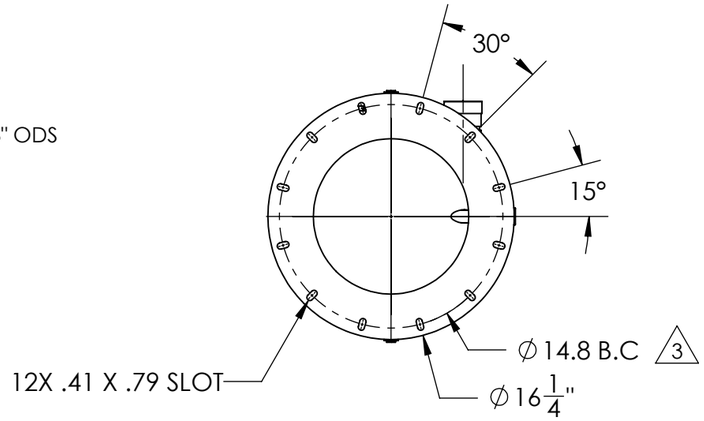
Approval: _____

Customer Signature Required Upon Order

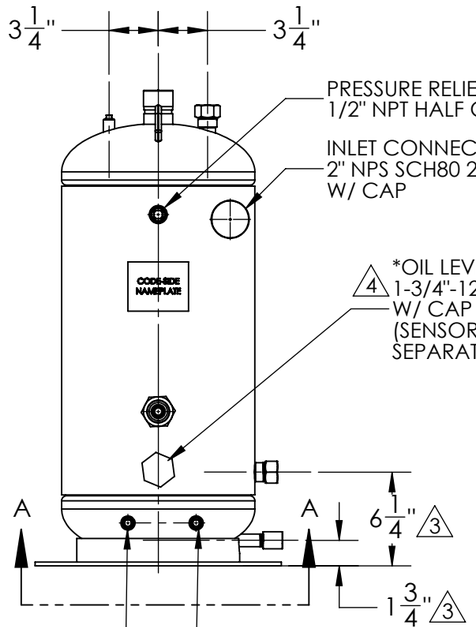
Customer Company Name: _____

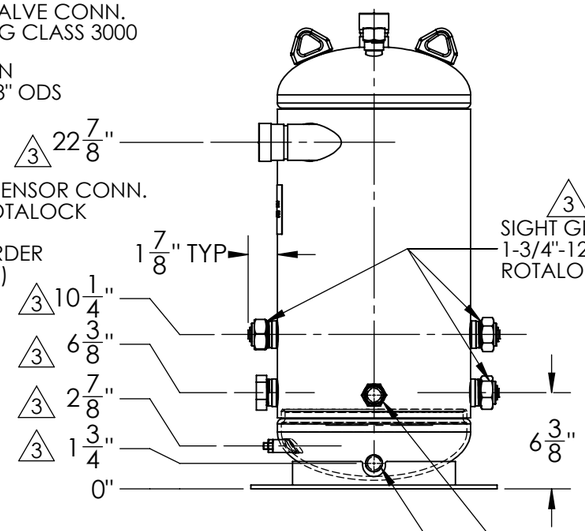
1. Shell Side:
   - Max. Allowable Work Pressure: 406psi @ 250F
   - Min. Design Metal Temp.: -20F @ 406psi
   - Capacity: 1.80 ft3
   - Corrosion Allowance: 0
   - Vessel Stamp: UM
2. Manufacture vessel in accordance with ASME BPVC.VIII.1 (Latest Version)
3. Pressure boundary parts are carbon steel.
4. All connections will be shipped with welded caps and plugs.
5. Vessel will be painted black.
6. Customer must remove all welded caps prior to pressurizing system.
7. Vessel not constructed or stamped for "lethal" service.
8. Vessel has hot formed or stress relieved heads in compliance with ANSI/IIAR 2. (Not applicable if primary fluid is oil).
9. For custom vessels, (customer provided internal design elements), BITZER U.S., Inc is not responsible for the performance with respect to heat exchange, droplet separation, or other function outside the scope of meeting the ASME BPVC.VIII.1.

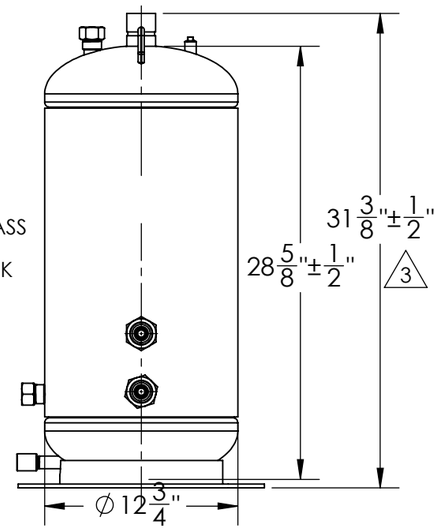




VIEW A-A







*HEATER CONNECTION
3/8" NPT FULL CPLG CLASS 3000
(HEATER WELL 140 WATT INCLUDED)
(OIL HEATER ORDER SEPARATELY)

*THERMOSTAT CONNECTION
3/8" NPT FULL CPLG CLASS 3000
(HEATER WELL 70 WATT INCLUDED)
(OIL THERMOSTAT INCLUDED)

OIL OUTLET CONN.
1-1/4"-12 ROTALOCK
W/ CAP

OIL DRAINING PORT
1/2" NPT SCH80 NIPPLE W/ CAP
(OIL DRAIN VALVE AND
1/2" NPT CPLG INCLUDED)

4 5

(*) ACCESSORY - ORDER SEPARATELY	ACCESSORY P/N
OIL LEVEL SWITCH - 24V, AC/DC OPTION	347950-04
OIL LEVEL SWITCH - 115V OPTION	347950-02
OIL LEVEL SWITCH - 230V OPTION	347950-01
OIL HEATER - 120V, 140W OPTION	892-1140-01
OIL HEATER - 230V, 140W OPTION	892-1140-02
ROTALOCK T-ADAPTER	365433-56
SPARE PARTS	**SPARE PARTS P/N**
HEATER WELL - 70W	345906-05
HEATER WELL - 140W	345905-22
O-RING - HEATER WELL (70W & 140W)	372016-01
SET SCREW (140W HEATER WELL ONLY)	380354-08
OIL THERMOSTAT	860-5021-01
OIL DRAIN VALVE	540106050
OIL OUTLET VALVE	361321-06
OIL OUTLET VALVE - O-Ring	372200-04
SIGHT GLASS NUT	182102015
O-RING - SIGHT GLASS ROTALOCK SEAL	372200-04

REVISION HISTORY				
REV	DESCRIPTION	DATE	DRWBY	APPVBY
05	UPDATED SPARE PARTS TABLE	06/19/2025	EGL	EGL
04	CHANGED LEVEL SENSOR TO AWA PART	06/04/2025	EI	EGL
03	ADD STGLS., CONN. LOC. CHANGE 3/8" B/C OF SKIRT	11/04/2019	AC	AC
02	MOVED BACK OIL MAKE UP TRLK TO HEAD, VIEW 2 MOD.	06/06/2017	DE	DE
01	REDIMENSION-MOVED OIL MAKE UP RTLCK TO HEAD	06/01/2017	DE	DE
00	INITIAL RELEASE	09/16/2014	QKT	QKT

UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
ANGLE TOL ±2°30'
FRACTION TOL ±1/4
.X ± .125 .XX ± .063 .XXX ± .005
ASME Y14.5M-1994

THIRD ANGLE PROJECTION

PROPRIETARY AND CONFIDENTIAL

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	NAME	DATE
DRAWN	QTT	09/16/2014

BITZER U.S. Inc.
4080 ENTERPRISE WAY
FLOWERY BRANCH, GA 30542

TITLE: **SUBMITTAL DRAWING**

SIZE	JOB#	DWG NO	REV
B	Pressure Vessels	OA1954US (771-0003-01)	05

SCALE 1:10 | WEIGHT 122.80LBS | SHEET 1OF1