



Customer Document title:

Reservoir DrawingFlowserve Document title: **Reservoir Drawing**Flowserve Document No.: **1400944-014-5810-01**Document Revision No.: **A**Flowserve Order No.: **1400944**Flowserve Serial No.: **1400944CHP014A/D**Pump Type/Size: **MARK 3 STANDARD / 2K6X4-10RV**Quantity: **4**Customer Name: **DESMET BALLESTRA NORTH AMERICA**

PROJECT - WORPAR

ITEM NBR - P635S.1/1-P635S.1/2-P635S.2/1-P635S.2/2

TYPE - ASSY

eB NBR - 100223592.001

DATE - 23.05.2022

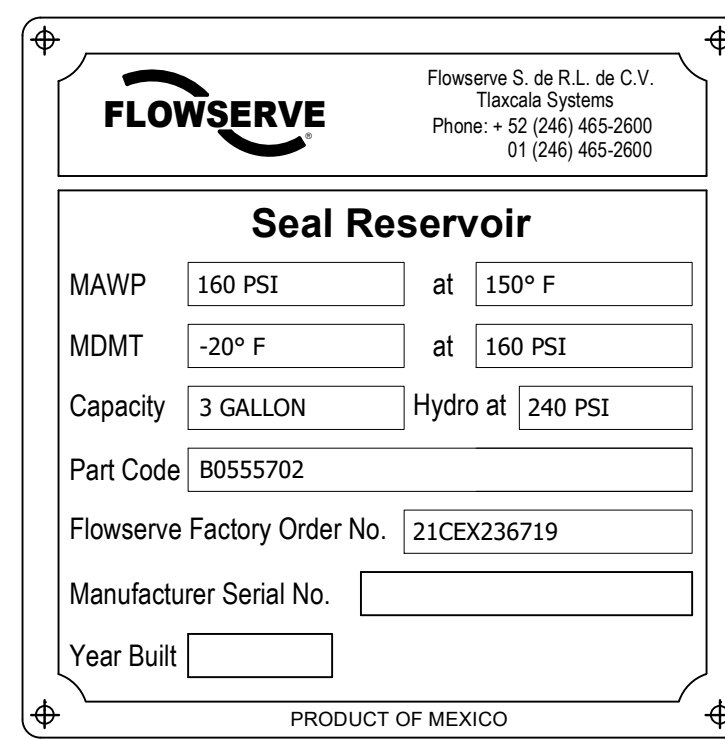
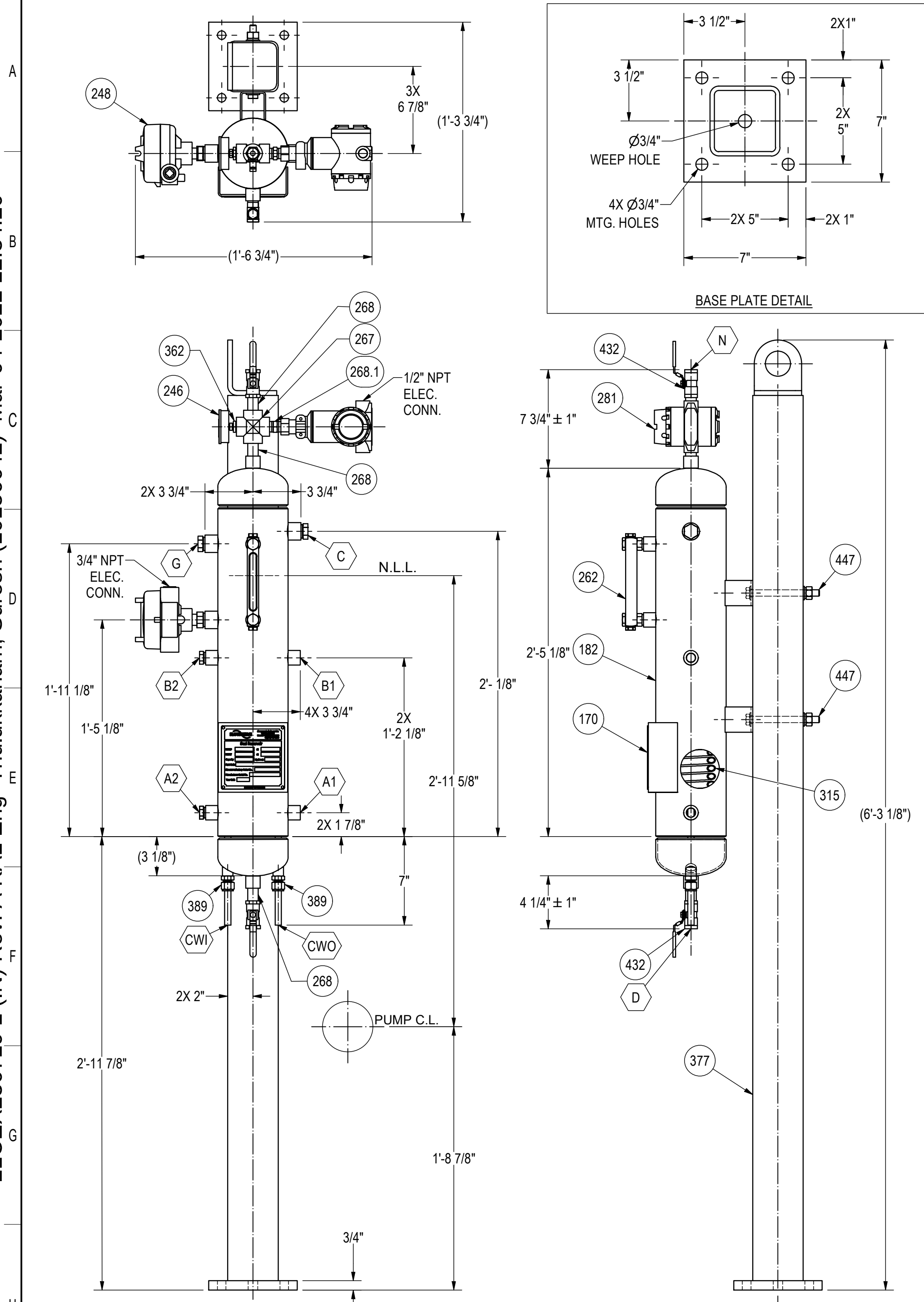
Customer Tag No: **DESMET TAG#:P635S.1/1,World Energy TAG#:19-P-752A, DESMET TAG#:P635S.1/2,World Energy TAG#:19-P-752B, DESMET TAG#: P635S.2/1,World Energy TAG#:19-P-852A, DESMET TAG#:P635S.2/2,World Energy TAG#:19-P-852B**

Customer PO No.: **28493**End User: **DESMET BALLESTRA NORTH AMERICA****Please complete and return:****Document Reviewed by:****Document Reviewed date:**

- ☐ **APPROVED. NO ACTION REQUIRED**
☐ **APPROVED. RE-SUBMIT AS FINAL**
☐ **APPROVED WITH COMMENTS.** DOCUMENT WILL BE MODIFIED AND RESUBMITTED AS FINAL.
☐ **REJECTED.** CORRECT AND RE-SUBMIT FOR APPROVAL.
☐ **FOR INFORMATION.** REVIEW NOT REQUIRED
☐ **AS-BUILT**

- Return any documents sent for review with your comments by the stated return date. All documents not returned two weeks after requested Return date will be considered Approved, no action.
- Purchaser's comments and/or corrections within the scope of contract will be made on the first completed document submitted by Flowserve Corp. and returned.
- Corrections, alterations, additions and/or modifications outside scope of contract or made after first submittal may require an additional engineering service charge.
- Items conditionally approved or with deferred approval by purchaser must be specifically stated otherwise delivery may be affected.

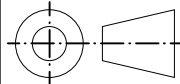
Rev	Revision Description	Released	Release Date
	For Information	Morris, Tamika	07-Mar-22



BILL OF MATERIAL NO: B0555702				1 SUGGESTED SPARE PARTS 2 CODE: BSC[X] / OFF STD[N]	
NO	PART CODE	QTY	DESCRIPTION	MATERIAL	1 2
182	W8036Y0000	1	RESERVOIR 3 GALLON 5" S/10 SHELL 26" LG.	316 SS/316L SS	
170	U3DP1U130211-S01	1	NAMEPLATE FOR RESERVOIR	SA-240 TY316/316L PLATE	
262	U3DP1U17A315	1	LIQUID LEVEL INDICATOR TUBULAR 6" CC, 1/2" MNPT BACK CON. INFERNO: 6ATS-221	316 SS WETTED	
315	4R98173X958	1	COOLING COIL 1/2" X .065 WALL X 20' LG. FOR 5" PIPE	SA-249 TP316/316L WELDED	
389	U3DP1U011985	2	TUBE FITTING (M) CONN. 1/2" TUBE X 1/2 (M) PIPE, BORE THROUGH	SA-182 F316/F316L	
246	U3DP1U15A952	1	PRESSURE INDICATOR 2 1/2" DIAL 1/4" BACK CONN. 0-160 PSI ASHCROFT: 25-1009-SW-02B	316 SS WETTED	
248	U3DP1U41D212	1	LIQUID LEVEL SWITCH 3/4" NPT, ULTRASONIC, 24VDC POWER, DPDT 8A RELAY OUTPUT, CL 1 DIV 1 GRP C,D/CL 1 DIV 2 GRP A,B,C,D/EEX D IIC T6/EEX E II T6 FM/CSA/CENELEC APP MAGNETROL: 910-P1A2-001	316 SS WETTED	
267	0053016835	1	CROSS FITTING 1/2" NPT 3M	SA-182 F316/F316L	
268	U3DP1U012684	3	PIPE NIPPLE 1/2" X 2" LG S/40 TBE	SA-312 TP316/316L SMLS	
268.1	U3DP1U010139	1	PIPE NIPPLE HEX , 1/2 MNPT	316	
281	U3DP1U017632	1	PRESSURE TRANSMITTER -14.7 TO 800 PSI HART LCD 1/2 NPT CL1, DIV1, GRPS B,C,D 1/2 NPT ELEC CONN, FM, CSA, ATEX EXP-PROOF INTRIN SAFETY APP ROSEMOUNT: 3051TG3A2B21AKDM5	316 WETTED	
362	3760014850	1	PIPE FITTING HEX BUSHING 1/2" X 1/4"	SA-182 F316/F316L	
377	B0555743	1	STAND 4" SQ TUBE W/ 7" X 7" X 3/4" THICK BASEPLATE	CARBON STEEL (PAINTED)	
432	U3DP1U23G900	2	BALL VALVE 1/2" NPT 1-PC CL. 800 WOG WARREN: 1010S050	316	
447	C0335941DB	2	COMPONENT KIT BOLTING FOR RESERVOIR (U BRACKET) INSTALLATION	316	

- NOTES:**
1. MAWP 160 PSI @ -20 TO 150°F.
 2. VESSEL HYDRO @ 1.5 x MAWP (160 PSI) = 240 PSI.
 3. FOR LEVEL GAUGE (NO. 262) O-RING KIT, USE PART CODE U3DP0021683.
 4. BOM PARTS LISTING IS FOR COMPONENT SELECTION ONLY. FLOWSERVE RESERVES THE RIGHT TO SUBSTITUTE PARTS OF EQUAL QUALITY AND CAPABILITY THAT MEET ALL REQUIREMENTS.
 5. DRAWING IS FOR GRAPHICAL REPRESENTATION OF ASSEMBLY ONLY. VALVE HANDLES ARE SHOWN FOR ILLUSTRATION PURPOSES, (ACTUAL CONSTRUCTION MAY DIFFER).
 6. ALL CARBON STEEL COMPONENTS TO BE PAINTED ACCORDING TO PARTCODE C0555747ZZ

CONNECTION TABLE		
NO.	DESCRIPTION CONN.	SIZE CONN.
A1	SEAL SUPPLY	1/2" NPT
A2	SEAL SUPPLY	1/2" NPT (PLUGGED)
B1	SEAL RETURN	1/2" NPT
B2	SEAL RETURN	1/2" NPT (PLUGGED)
C	FILL	3/4" NPT (PLUGGED)
D	DRAIN	1/2" NPT
N	NITROGEN SUPPLY	1/2" NPT
G	INSTRUMENT CONNECTION	3/4" NPT (PLUGGED)
CWI	COOLED WATER IN	1/2" TUBE
CWO	COOLED WATER OUT	1/2" TUBE

OPERATING DATA								
API PLAN: 53A		FPD TAG: 1400944-7,8,11,12,14,16						
CUSTOMER DATA								
CUSTOMER: FLOWSERVE CHESAPEAKE		ADDRESS: UNITED STATES						
ULTIMATE USER: DESMET PROCESS & TECHNOLOGY		CUSTOMER P.O.: 337489						
JOB NUMBER		 AMSS Seals & Systems						
21CEX236719								
DRWN: LPETERNICHOLAS								
DATE: 03-NOV-2021								
CHKD: MUMURUGAN								
DATE: 03-NOV-2021		DRAWING TITLE AUXILIARY GENERAL ARRANGEMENT PLAN 53A - BARRIER RESERVOIR						
APVD:								
DATE:								
ALL DIMENSIONS ARE REFERENCE UNLESS OTHERWISE SPECIFIED		SIZE			DRAWING NUMBER		REV.	
 3rd ANGLE		C/A2		21CEX236719		A		
		SCALE TO SCALE		UNITS inch		SHEET 1		
		Page 1 of 1						

UNLESS SPECIFIED OTHERWISE
(PARENTHESES) DENOTE REFERENCE ONLY
FEATURE CONTROLS PER ASME Y14.5M-1994
BREAK OR DEBURR SHARP EDGES: .063
RADIUS CORNERS: R.125 MINIMUM
X.XX±0.25, X.XXX±0.125, X.XXXX±0.0625
ANGLES: ± .5°, SURFACE ROUGHNESS: 125

THIS PROPRIETARY AND/OR CONFIDENTIAL MATERIAL IS THE PROPERTY OF FLOWSERVE CORP. AND IS FURNISHED ONLY FOR THE PURPOSE INDICATED

[illegible]