

 Flow Pump Division 5310 Taneytown Pike Taneytown, MD 21787	DOCUMENT TITLE MECHANICAL SEAL & PIPING PLAN DRAWING	FLS DOCUMENT NO. E003551_DWG_SEAL
		CUSTOMER DOCUMENT NO. N/A
	PROJECT WORPAR	SDRL CODE N/A

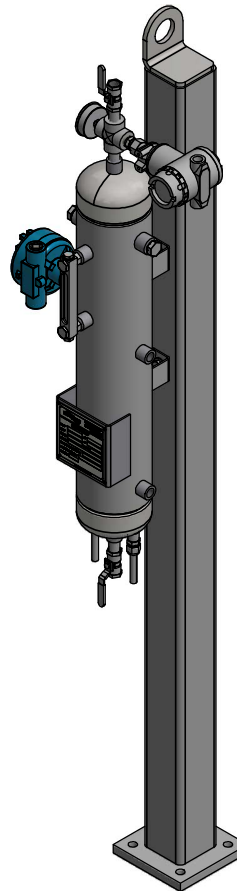
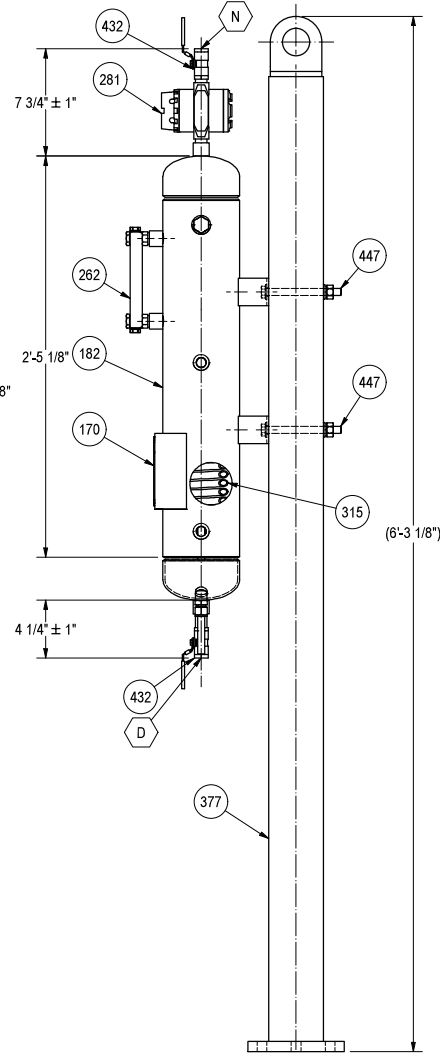
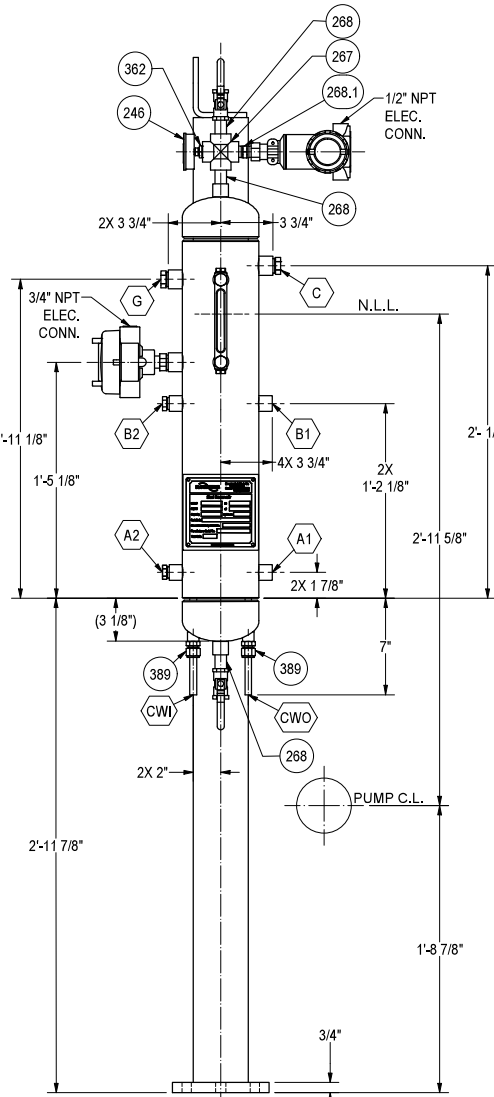
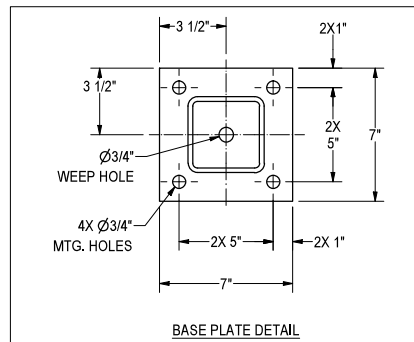
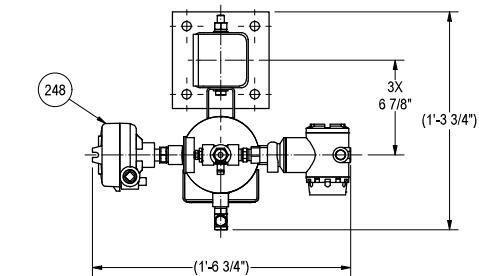
CUSTOMER:	DESMET BALLESTRA NORTH AM	PO NO.:	PO-00028525
SERVICE:	BLEACHER FEED PUMPS	SALES ORDER NO.:	070-81609
		SERIAL NO.:	2206ME003551-1/2/3/4
FLS ORDER NO.:	E003551	EQUIPMENT:	4M223 PUMP
		EQUIPMENT TAG NO.:	DESEMET TAGS: P622.1/1, 1/2, 2/1, 2/2 & WEP TAGS: 19-P- 762A/B, 19-P-862A/B

MECHANICAL SEAL & PIPING PLAN DRAWING

Desmet Tag	WEP Tag
P622.1/1	19-P-762A
P622.1/2	19-P-762B
P622.2/1	19-P-862A
P622.2/2	19-P-862B

PROJECT - WORPAR
ITEM NBR - P622.1/1-P622.1/2-P622.2/1-P622.2/2
TYPE - ASSY
eB NBR - 100215779.001
DATE - 11.02.2022

B	2/10/2022	REVIEW	M. TOPPER	T. KARNAS	Z. PLATEK
A	11/19/2021	REVIEW	M. TOPPER	T. KARNAS	Z. PLATEK
REV	ISSUE DATE	ISSUE PURPOSE	ISSUED BY	REVIEWED BY	APPROVED BY



add
client
tags

Flowserve
Flowserve S. de R.L. de C.V.
Tlaxcala Systems
Phone: + 52 (246) 465-2600
01 (246) 465-2600

Seal Reservoir

MAWP 160 PSI at 150° F

MDMT -20° F at 160 PSI

Capacity 3 GALLON Hydro at 240 PSI

Part Code B0555702

Flowserve Factory Order No. 21PEX236608

Manufacturer Serial No. _____

Year Built _____

PRODUCT OF MEXICO

BILL OF MATERIAL NO: B0555702

1 SUGGESTED SPARE PARTS
2 CODE: BSC(X) / OFF STD(M)

NO	PART CODE	QTY	DESCRIPTION	MATERIAL	1	2
182	W8036Y0000	1	RESERVOIR 3 GALLON 5" S/10 SHELL 26" L.G.	316 SS/316L SS		
170	U3DPU130211-S01	1	NAMEPLATE FOR RESERVOIR	SA-240 TY316/316L PLATE		
262	U3DPU17A315	1	LIQUID LEVEL INDICATOR TUBULAR 6" CC, 1/2" MNPT BACK CON.	316 SS WETTED		
			INFERNO: 6AT5-221			
315	4R98173X958	1	COOLING COIL 1/2" X .065 WALL X 20' L.G. FOR 5" PIPE	SA-249 TP316/316L WELDED		
389	U3DPU011985	2	TUBE FITTING (M) CONN. 1/2" TUBE X 1/2" (M) PIPE, BORE THROUGH	SA-182 F316/F316L		
246	U3DPU15A952	1	PRESSURE INDICATOR 2 1/2" DIAL 1/4" BACK CONN. 0-160 PSI ASHCROFT: 25-1009-SW-02B	316 SS WETTED		
248	U3DPU41D212	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/EXX D IIC T6/EXX E II T6 FM/CSA/CENELEC APP MAGNETROL: 91D-P1A2-001	316 SS WETTED		
267	0053016835	1	CROSS FITTING 1/2" NPT 3M	SA-182 F316/F316L		
268	U3DPU012684	3	PIPE NIPPLE 1/2" X 2" LG S/40 TBE	SA-312 TP316/316L SMLS		
268.1	U3DPU010139	1	PIPE NIPPLE HEX. 1/2 MNPT	316		
281	U3DPU017632	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: A651TG3A2B21AKDM5	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	U3DPU23G900	2	BALL VALVE 1/2" NPT 1-PC CL. 800 WOG WARREN: 1010S090	316		
447	C0335941DB	2	COMPONENT KIT BOLTING FOR RESERVOIR (U BRACKET) INSTALLATION	316		

NOTES:

- MAWP 160 PSI @ -20 TO 150°F.
- VESSEL HYDRO @ 1.5 X MAWP (160 PSI) = 240 PSI.
- FOR LEVEL GAUGE (NO. 262) O-RING KIT, USE PART CODE U3DPU021683.
- BOM PARTS LISTING IS FOR COMPONENT SELECTION ONLY. FLOWSERVE RESERVES THE RIGHT TO SUBSTITUTE PARTS OF EQUAL QUALITY AND CAPABILITY THAT MEET ALL REQUIREMENTS.
- DRAWING IS FOR GRAPHICAL REPRESENTATION OF ASSEMBLY ONLY. VALVE HANDLES ARE SHOWN FOR ILLUSTRATION PURPOSES. (ACTUAL CONSTRUCTION MAY DIFFER).
- ALL CARBON STEEL COMPONENTS TO BE PAINTED ACCORDING TO PART CODE 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

PRODUCT: OTHER
TEMP: 149°F
SPEC GRAVITY: 0.89
VISCOSITY: 7.93 cP
SUCTION PRES: 0.00 psiG
DISCH PRES: 90.95 psiG

RPM: 1270
EQUIP ITEM NO: 88558692
API PLAN: 53A
FPD JOB: E3551
TAG #: P622.1/1, 1/2, 2/1, 2/2
MAWP: 150.00 PSIG

CUSTOMER DATA

CUSTOMER: FLOWSERVE PUMP DIVISION
ADDRESS: TANEYTOWN, MD UNITED STATES

ULTIMATE USER: DESMET PROCESS & TECHNOLOGY
ADDRESS: UNITED STATES
CUSTOMER P.O.: A194695-1

JOB NUMBER

21PEX236608

DRAWING TITLE

AUXILIARY GENERAL ARRANGEMENT

DATE: 15-OCT-2021

CHKD: MUMURUGAN

DATE: 15-OCT-2021

APVD:

DATE:

ALL DIMENSIONS ARE REFERENCE UNLESS OTHERWISE SPECIFIED



3rd ANGLE

SCALE TO SCALE

UNITS inch

SHEET 1 OF 1

SIZE C/A2

DRAWING NUMBER

21PEX236608

REVISION

A

REV.	CHG NO.	DATE	REV'D	CHKD	APVD
A	22-1893	07-FEB-2022	LPETERNICHOLAS	MUMURUGAN	
DESC: #248 U3DPU41D211 REPLACED BY U3DPU41D212. DIMENSIONS UPDATED TO FEET/IN PER REQUEST.					

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