

2.4 CONDENSATE PUMPS



FABTEK AERO, LTD.

775 DUVICK AVE. SANDWICH, IL 60548

PHONE: 630-552-3622 · FAX: 630-552-8220

WEB: WWW.FABTEKAERO.COM · EMAIL: SALES@FABTEKAERO.COM

Standard Duplex Condensate Unit

Condensate Unit:

Quantity: 1

Fabtek Model: 45403030C6CD3D

Tank size: 45 Gallon

Tank material: 304 Stainless Steel

Assembly: Completely Factory Assembled

Lead Time: 5-7 weeks to ship ARO

Pump:

Pump Configuration: Duplex

Pump Type: Vertical Flange Mount Stainless Steel Centrifugal Pumps (2)

Pump Capacity: 45 GPM @ 40 psig

Pump Motor: 3 HP 3/60/208V TEFC

Mechanical Seal: 250 deg F Mechanical Seals

Standard System Trim:

Level Control: NEMA 1 Mechanical Alternator

Trim: Water Level Gauge Glass with SS Steel Gauge Cock Assembly & SS Protection Rods.

UL Listed Control Panel:

Panel Model: MW-FT208-3P-MA-N3R-FD-A2HL--DC

Panel Type: Duplex Condensate Panel with Mechanical Alternator

Voltage: 3/60/208V

Enclosure: NEMA 3R Steel

Standard Components: Motor Starters & Overloads, Pump Circuit Breakers, HOA Selector Switches, Pump Run Indicator Lights, Control Circuit Transformer, Mechanical Alternator

Mounting: Panel shall be mounted to receiver. Pumps and electric accessories wired to panel using flexible liquid-tight conduit

Alarm: High & Low Level Alarm Circuits (Type 9 316 SS Low and High Level Alarm Switch)

Disconnect: Main Fused Disconnect

Options: Dry Contact (Alarm Status - High), Dry Contact (Alarm Status - Low Level W-LWCO)

See the last page for options. Options on last page are included in the Unit Pricing.



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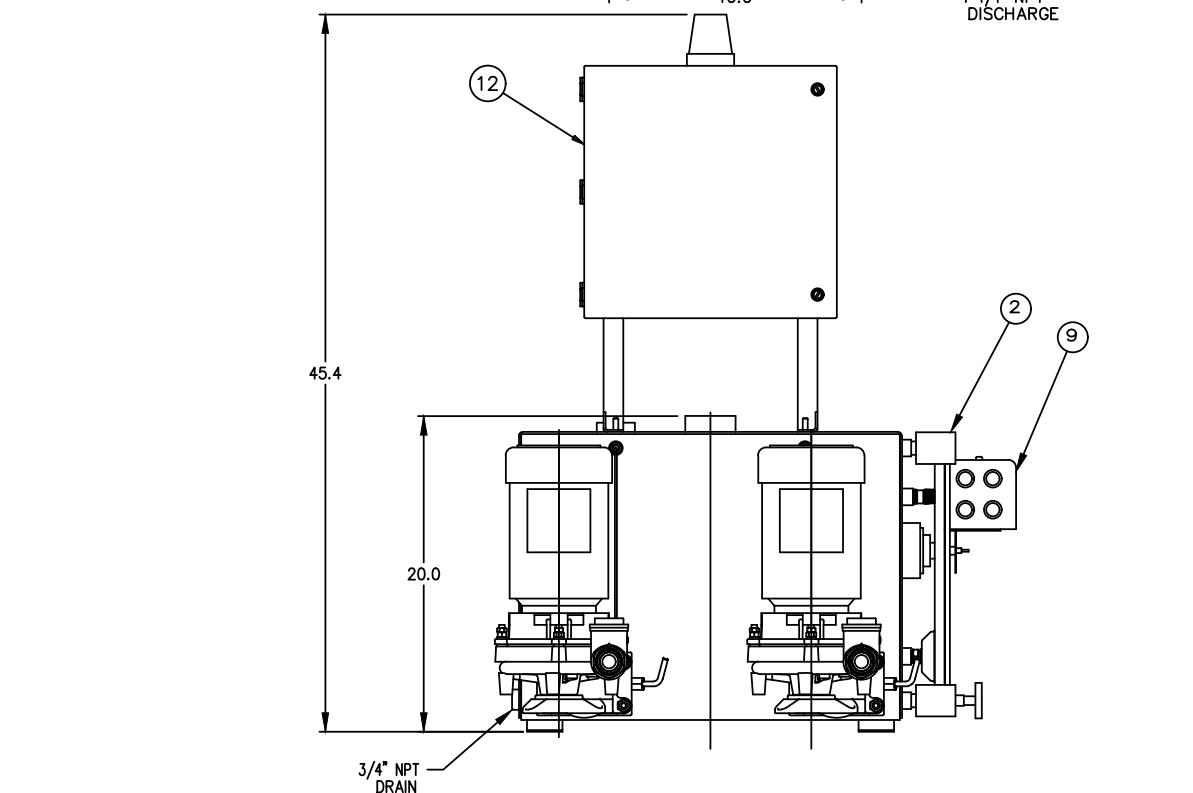
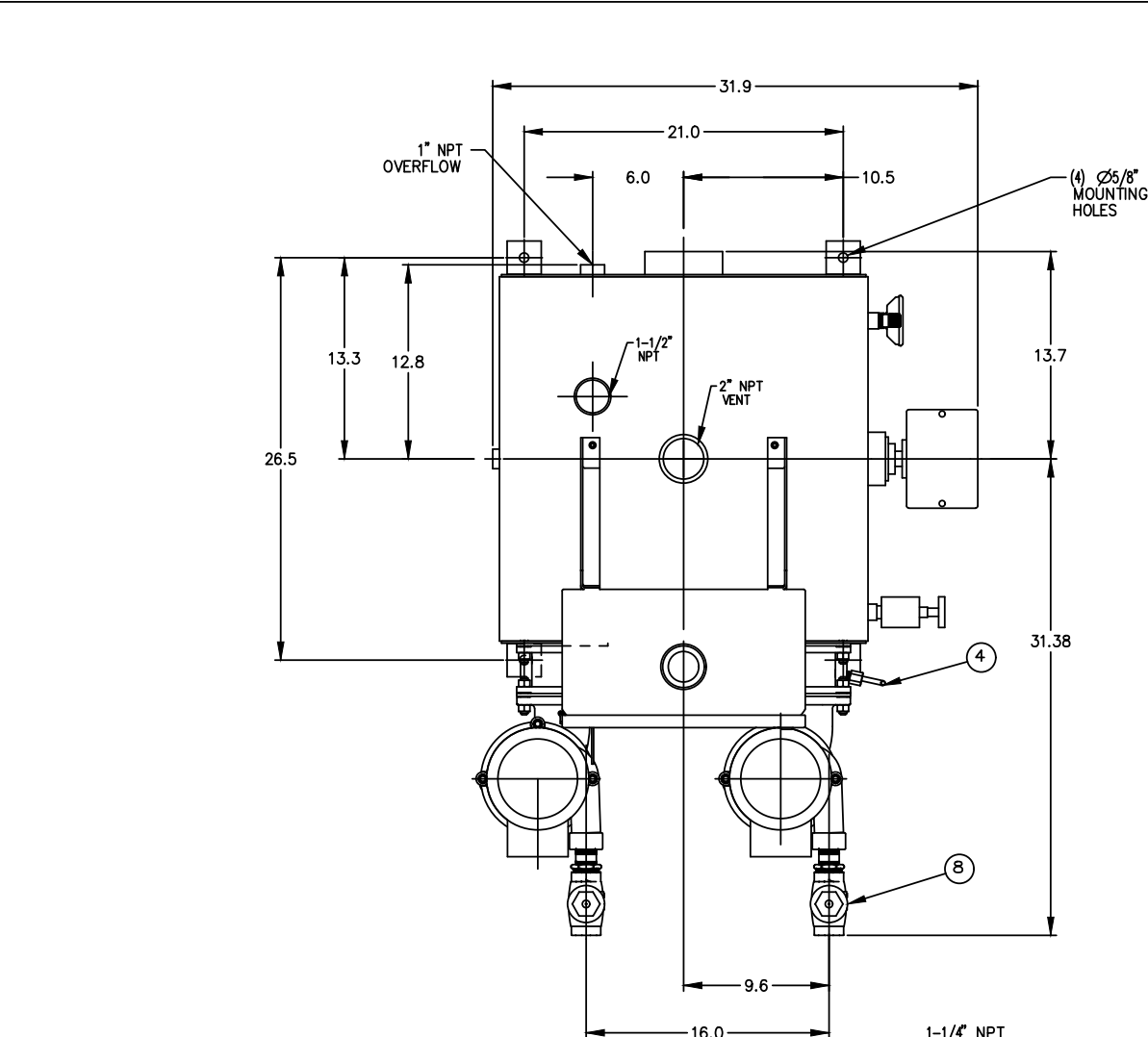
Unit **Standard Duplex Condensate Unit (45403030C6CD3D)**

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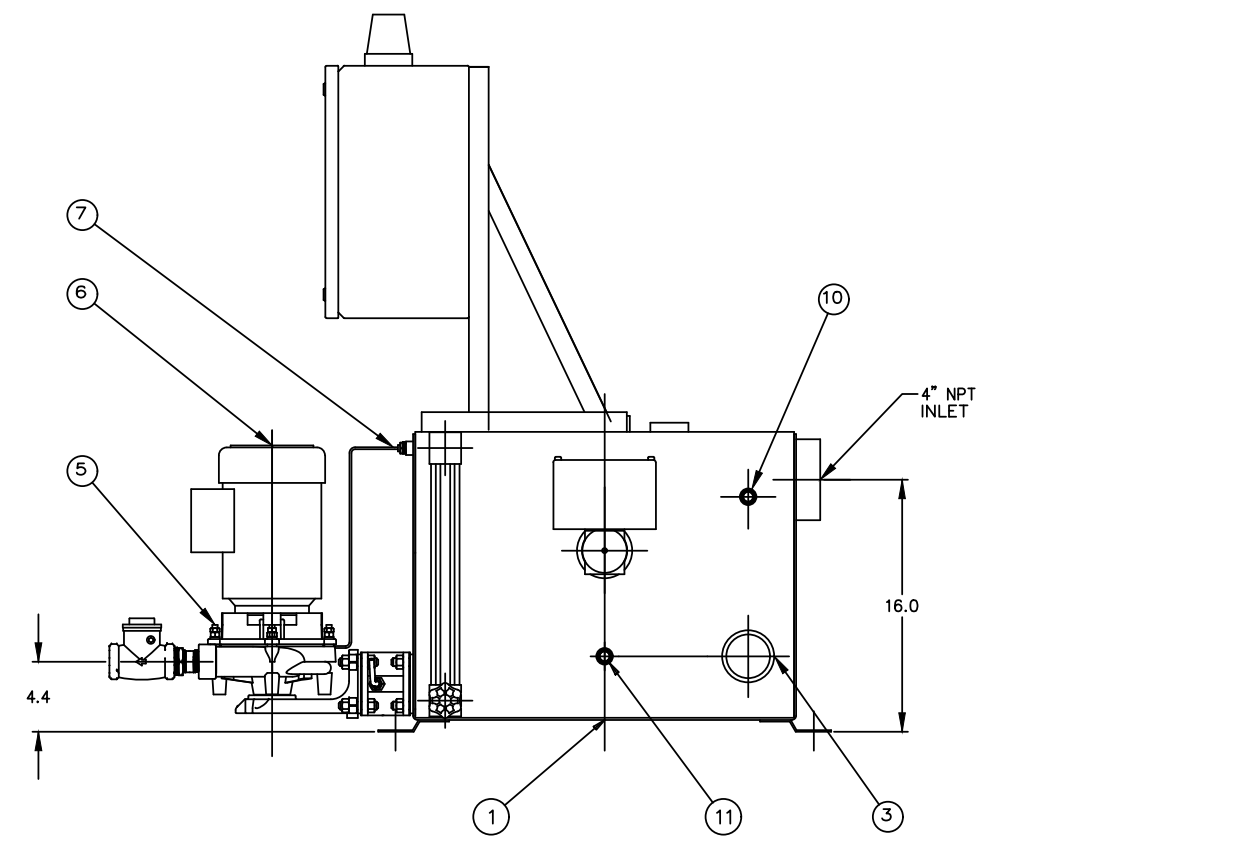
Option

Quantity

- | | |
|----------|--|
| 1 | 3inch SS Dial Thermometer |
| 1 | Stainless Steel Pump Suction Isolation Valves (Duplex) |
| 2 | 1 1/4" Discharge Check Valve |



ATTENTION :
ALL PIPING & WIRING IS FACTORY INSPECTED FOR TIGHTNESS. HANDLING DURING SHIPMENT MAY LOOSEN & MISALIGN COMPONENTS. THE FACTORY ASSUMES NO RESPONSIBILITY FOR LEAKS, MISALIGNMENT OR ANY OTHER CONSEQUENTIAL LIABILITY ARISING FROM SITUATIONS BEYOND ITS CONTROL. IT IS STRONGLY RECOMMENDED THAT ALL JOINTS, UNIONS, & COUPLINGS BE CHECKED FOR TIGHTNESS AND ALIGNMENT AFTER INSTALLATION TO ENSURE PROPER PERFORMANCE.



BILL OF MATERIALS						
VESSEL ASSEMBLY						
ITEM #	QTY.	DESCRIPTION	SIZE	MFG	MODEL	NOTES
1	1	304 STAINLESS RECIEVER STORAGE CAPACITY: 45 GALLONS	24" X 24" X 18"	FABTEK		
2	1	ARMORED SS SIGHT GLASS ASSEMBLY	1/2" NPT	FABTEK	Glass Lens	16" C/C
3	1	Ø 3" SS DIAL THERMOMETER	1/2" NPT	FABTEK	Glass Lens	0-250° F
PUMP ASSEMBLY						
4	2	SUCTION ISOLATION VALVE	2-3/4" X 5"	FABTEK	WAFER	STAINLESS
5	2	304 STAINLESS CENTRIFUGAL PUMP 45 GPM @ 40 PSIG	FLANGED SUCTION 1" NPT DISCHARGE	FABTEK	33030C6CD-F	
6	2	MOTOR: 3PH 60HZ 208V 3500RPM	3 HP	ELEKTRIM	80FR TEFC	FLA=10.40
7	2	VENT/SEAL FLUSH LINES	1/8" NPT	FABTEK		BRASS
8	2	DISCHARGE CHECK VALVE	1-1/4" NPT	T.C.I.	SWING	STAINLESS
ELECTRICAL CONTROLS AND ACCESSORIES						
9	1	MECHANICAL ALTERNATOR	2-1/2" NPT	SQUARE D	9038CG34Z20	NEMA 1
10	1	HIGH LEVEL ALARM FLOAT SWITCH	1/2" NPT		FINGER FLOAT	STAINLESS
11	1	LOW LEVEL ALARM FLOAT SWITCH	1/2" NPT		FINGER FLOAT	STAINLESS
12	1	DUPLEX CONTROL PANEL	3 HP	FABTEK		NEMA 3R

UNCONTROLLED

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CONFIDENTIAL

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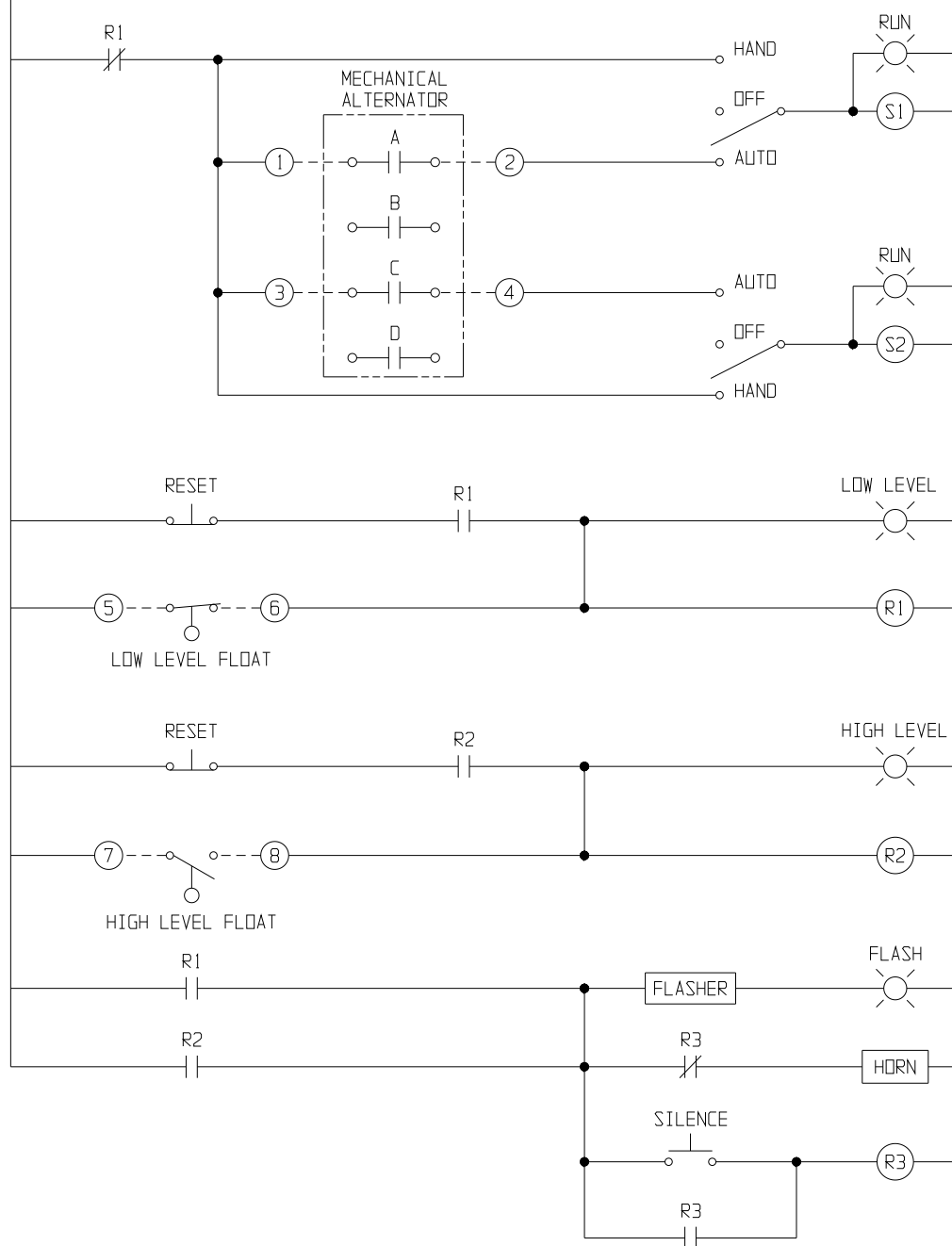
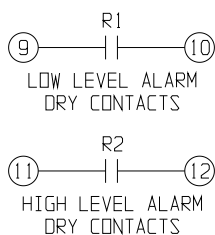
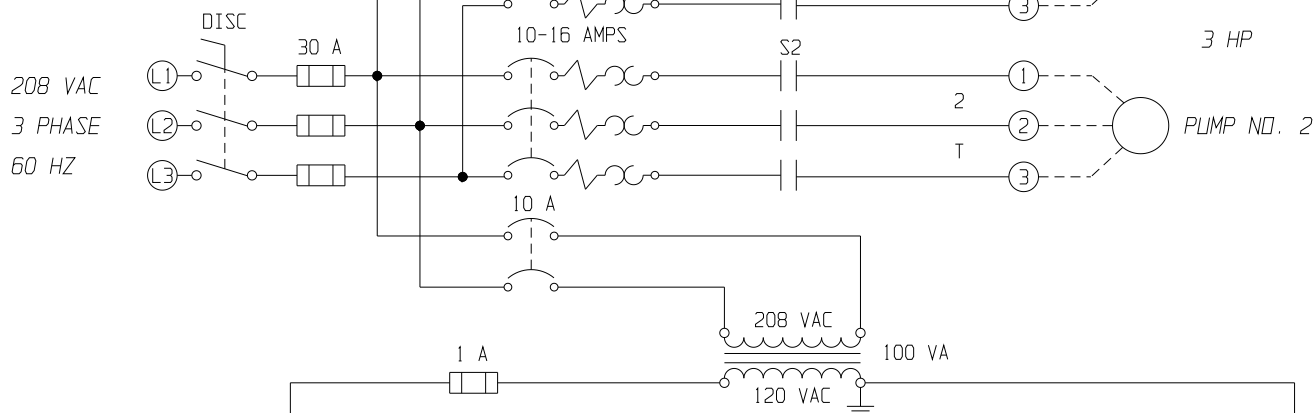
CONSTRUCTION NOTES:
1. RECEIVER TO BE FABRICATED IN A WELDED CONSTRUCTION OF 12 GAUGE 304 STAINLESS STEEL
2. RECEIVER TO BE PROVIDED AS A COMPLETE ASSEMBLY WITH ALL COMPONENTS SHOWN FURNISHED BY MANUFACTURE.
3. ALL ELECTRICAL COMPONENTS WIRED TO CONTROL PANEL USING FLEXIBLE PVC LIQUID-TIGHT CONDUIT.

IMPORTANT!
DISCHARGE PIPING SHOULD BE SIZED APPROPRIATELY PER SYSTEM FLOW RATE FOR MINIMAL LOSS, NOT ACCORDING TO DEFAULT PUMP DISCHARGE CONNECTION SIZE.

		775 DUVICK AVENUE SANDWICH, ILLINOIS 60548 630-552-3622		
PERMISSIBLE TOLERANCES, UNLESS OTHERWISE STATED ONE PLACE DECIMALS = 0.500 TWO PLACE DECIMALS = 0.250	CUSTOMER: WALLACE EANNACE	REF. # 4030115		
DRAWN BY R. REILLY	APPVD. BY	SCALE N/A	DATE 9-13-2023	
DESCRIPTION: 45 GALLON DUPLEX CONDENSATE RETURN UNIT				
DRWG. NO. 45403030C6CD3D	GALLONS: 45 GAL.	MATERIAL: 304 S.S.	REV. LET.	

	XXX	ORG. DRW.	9-13-2023	RRR
NO.	ECN	DESCRIPTION OF ENG. CHANGE	DATE	BY

A FUSED DISCONNECT OR CIRCUIT BREAKER MUST BE PROVIDED BY INSTALLER. PROVIDE DISCONNECT SIZING PER NEC 430-53(C)



THIS DRAWING IS THE PROPERTY OF BOULAY FABRICATION, INC. DRAWING TO BE RETURNED UPON REQUEST.		MODEL NUMBER	FT230-3P-MA-FD-A2HL	ORDER
DRAWING	DATE			
JLH	8-17-21			
CAD FILE	FT230-3P-MA-FD-A2HL			
REVISED	DATE			
PREPARED BY:		BOULAY FABRICATION, INC.		
		FABITEK QUALITY CONTROLS MADE IN THE U.S.A.		