



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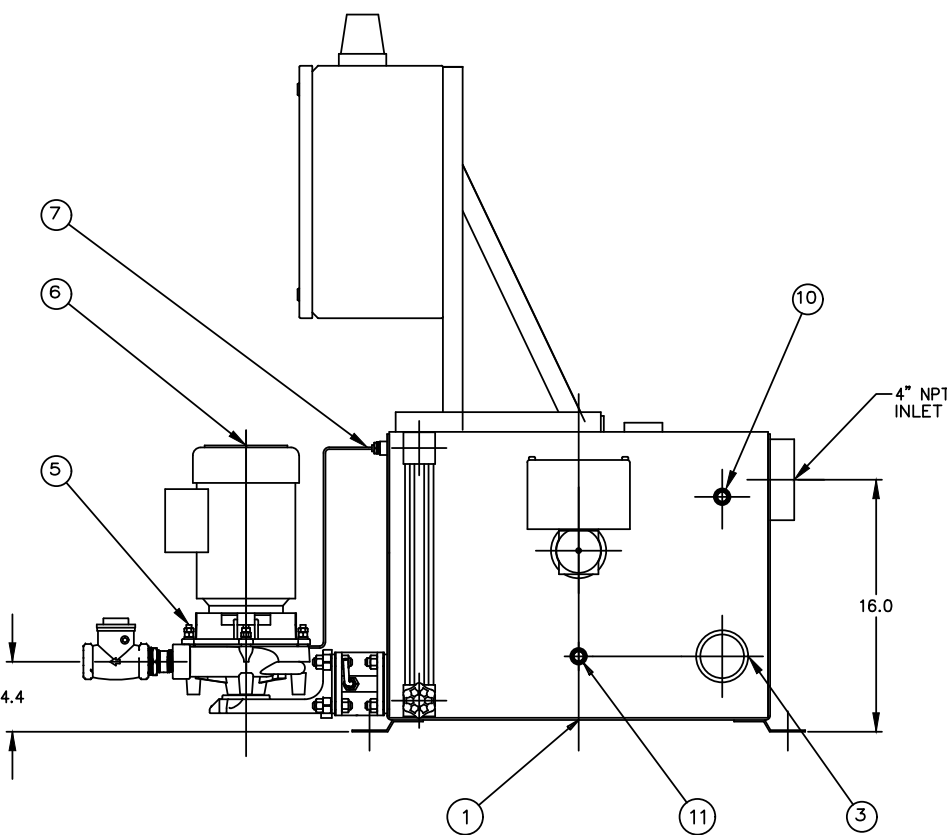
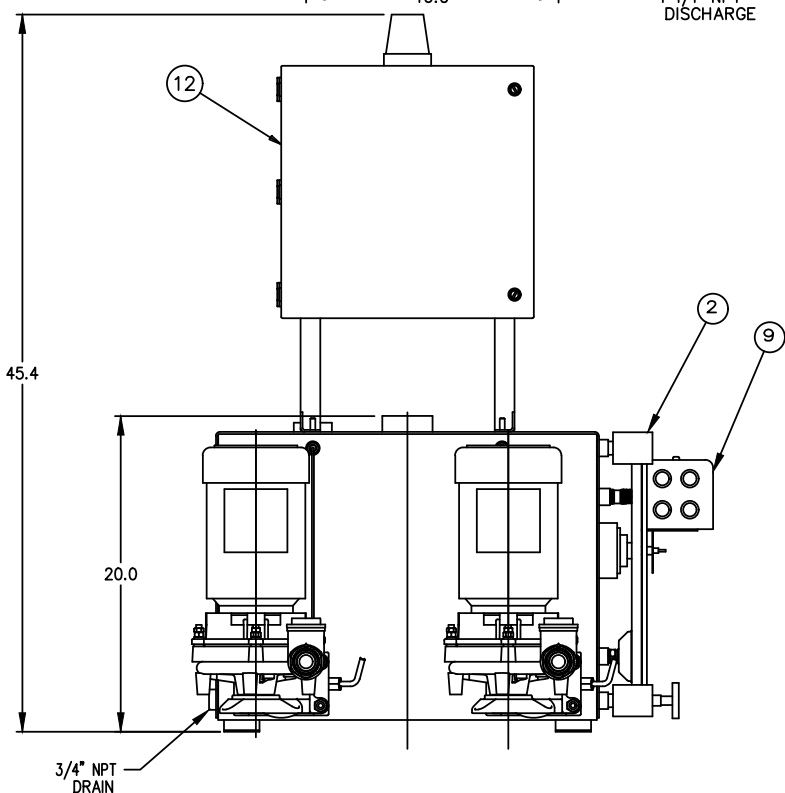
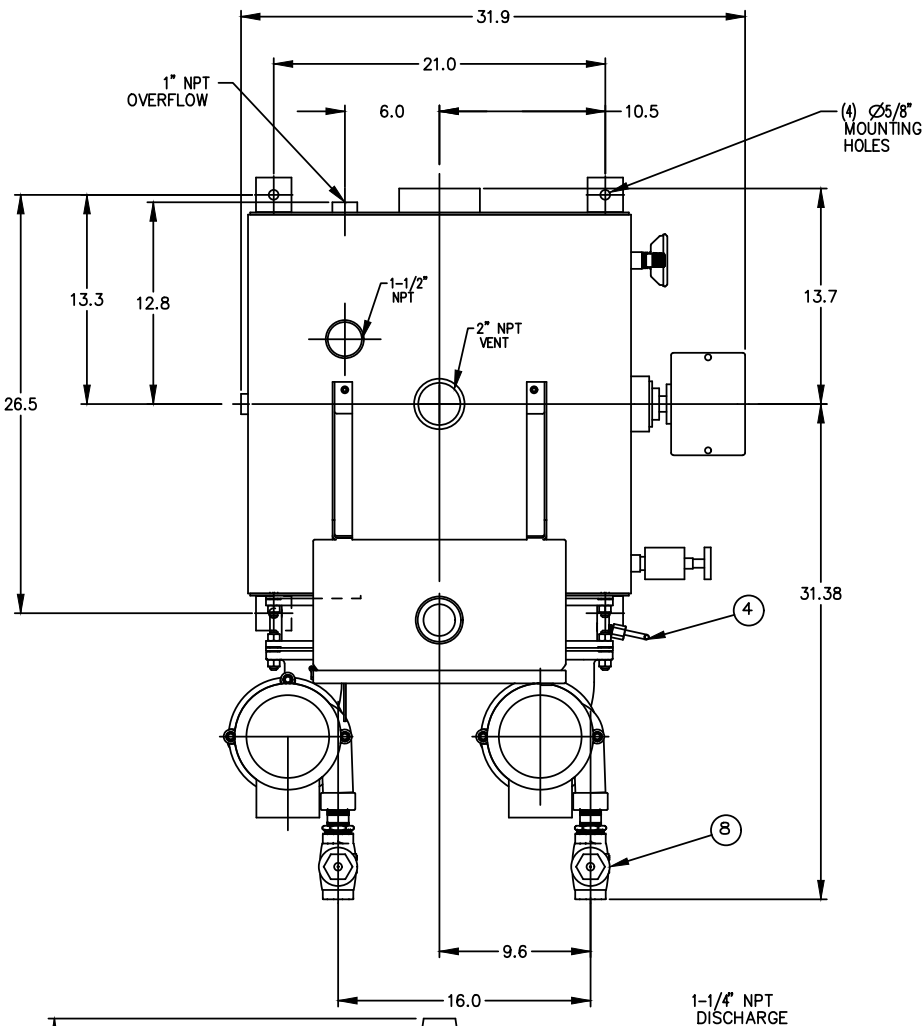
Unit **Standard Duplex Condensate Unit (45403030C6CD3D)**

Ref:

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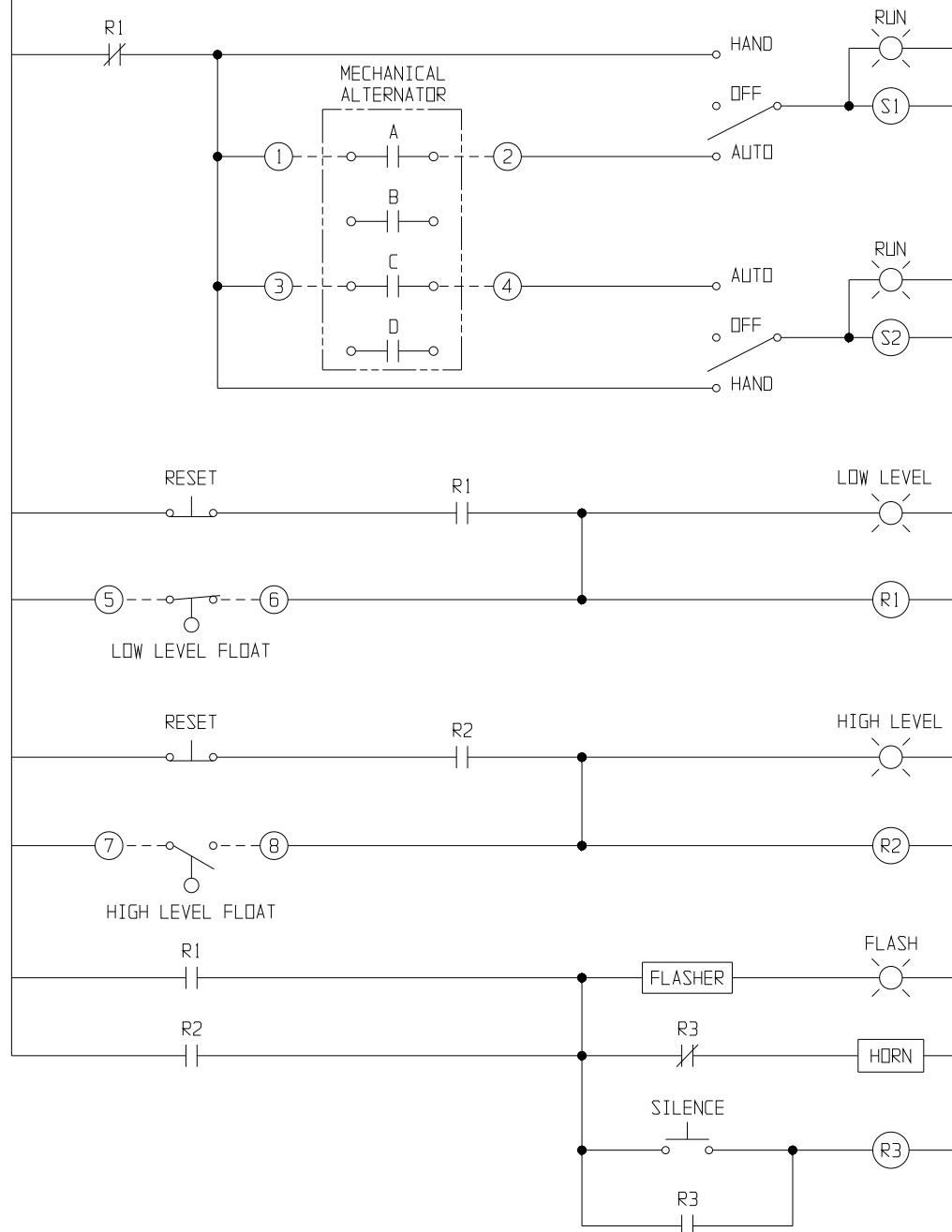
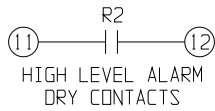
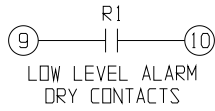
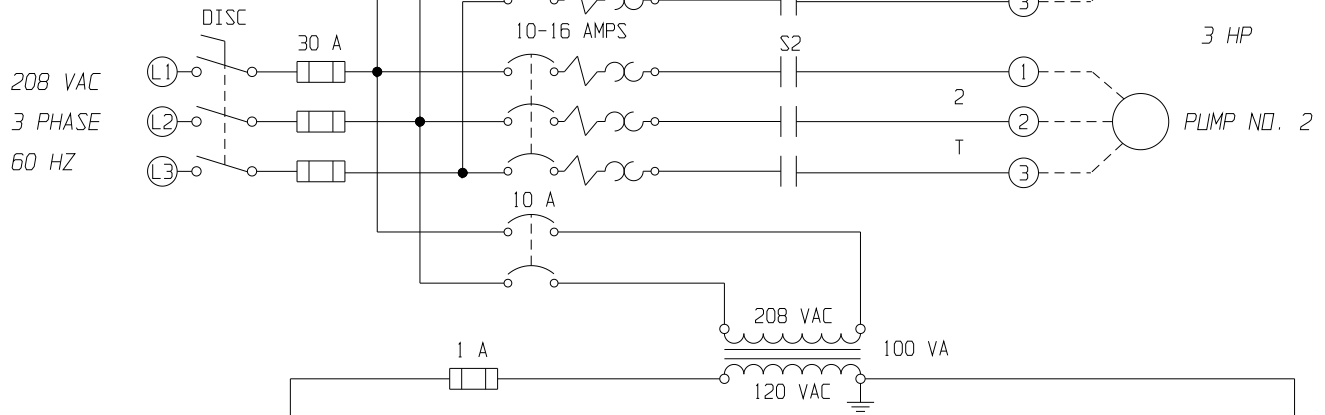
CONSTRUCTION NOTES:
1. RECEIVER TO BE FABRICATED IN A WELDED CONSTRUCTION OF
12 GAUGE 304 STAINLESS STEEL
2. RECEIVER TO BE PROVIDED AS A COMPLETE ASSEMBLY WITH
ALL COMPONENTS SHOWN FURNISHED BY MANUFACTURE.
3. ALL ELECTRICAL COMPONENTS WIRED TO CONTROL PANEL USING
FLEXIBLE PVC LIQUID-TIGHT CONDUIT.

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
CAD FILE	DATE	DATE	DATE	
FT230-3P-MA-FD-A2HL	8-17-21			
REVISION	DATE	PREPARED BY: BOULAY FABRICATION, INC.		
FABITEK		QUALITY CONTROLS MADE IN THE U.S.A.		

Item Number: 38CR-3-3-36FK

Proprietary: Fabtek Aero

TECHNICAL DATA

Product Group		Rolled Steel
Series		38C Series
Duty		Intermittent
Phase	PH	3
Horsepower	HP	3
RPM	RPM	3600
Nominal RPM 60Hz	RPM	3470
Frame		56Z
Mount		Footless C-Face
Voltage	V	208-230/460V 60Hz
Hertz	Hz	60
Winding Connection		Double Wye / Wye
Inverter Rated		3:1CT & 5:1VT
Full Load Torque [FLT] 60Hz	lb-ft	4.5
Lock Rotor Torque [LRT] 60Hz	%	240
Break Down Torque [BDT] 60Hz	%	230
FLA [230V] / [460V] 60Hz	A	9.4 / 4.7
LRA %	%	800
NEMA Code		H
Efficiency at Full Load 60Hz	%	82
Power Factor Full Load 60Hz	%	79
NEMA / IEC Design		B
Service Factor S2 Amps		11.8 / 5.9
Insulation Class		F
DE Bearing / ODE Bearing		6205 / 6203
Impregnation Method		Dip and Bake
Junction Box / Fan Guard		Rolled Steel / Steel
Mounting Position / Protection Degree		F1 / IP55
Enclosure		TEFC
Finish		Black
Net Weight / Ship Weight	lbs	33 / 35
Warranty		1-Year