

SUBMITTAL COVERSHEET Nanuet UFSD –Phase 3 Projects

Architect:

KSQ Architects
215 W 40th Street, 15th Floor
New York, NY 10018

Owner:

Nanuet Union Free School District
101 Church Street
Nanuet, NY 10954

Construction Manager:

Jacobs
One Penn Plaza, 54th floor
New York, NY 10019

Contractor: Joe Lombardo Plumbing & Heating of Rockland Inc

Contract: Ron Lombardo

Address: 321 Spook Rock Road Suite 109A

845-357-6537

Telephone:

Suffern, New York 10901

Fax: 845-357-8529

School Name: Nanuet Union Free School District Phase 3 Bond Projects @ Barr Middle School & Nanuet High School

Type of Submittal:

Re-submittal: [] No [] Yes

[] Shop Drawings

[] Product Data

[] Schedule

[] Sample

[]

[] Test Report

[] Certificate

[] Color Sample

[] Warranty

[]

Submittal Description:

STEAM & CONDENSATE SPECIALTIES - REVISION #1

Product Name:**Manufacturer:**

WALLACE EANNACE

Subcontractor/

D&B ENGINEERING

Supplier:**References:**

Spec. Section No.: 232214

1. Refer to response to RFI-001 regarding steam trap sizes. There is no PRV station. The drip main steam trap should be the same trap as used for the heat exchanger trap (Hoffman series FTX015-8).

Paragraph:**Architect's/ Engineer's Review Stamp**

SAGE ENGINEERING ASSOCIATES, LLP

☐ Reviewed

☒ Furnish as Corrected

☐ Rejected

☐ Revise and Resubmit

☐ Submit Specified Item

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with the requirements of the plans and specifications. Review of a specific item shall not include review of an assembly of which the item is a component. The Contractor is responsible for dimensions to be confirmed and correlated at the jobsite; information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of all other trades and performing all Work in a safe and satisfactory manner.

SAGE LOG NO. M-10.1

Date: 10/10/2023

By: J. Venditte

Contractor Review Statement:

These documents have been checked for accuracy and coordinated with job conditions and Contract requirements by this office and have been found to comply with the provisions of the Contract Documents.

Ronald J. Lombardo

10.6.23

Name:

Date:

Company Name:

Joe Lombardo Plumbing & Heating of Rockland Inc.

Remarks:

1. Provide full load data or electrical operating load data for condensate pump as submitted system is 3-horsepower vs scheduled 2-horsepower.
2. Provide steam trap submittal data for steam main drip pocket assembly as outlined on keyed note 11 drawing HS-M108.

Remarks:

1. Enclosed is the revised submittal with data for the condensate pump 2. we actually need the engineer to provide more data per the rfi i wrote for the steam traps size and type and the prv station not shown we see the main drip pocket details on the dwgs which will be submitted on our shop dwg after we receive the answer to the rfi.



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.



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

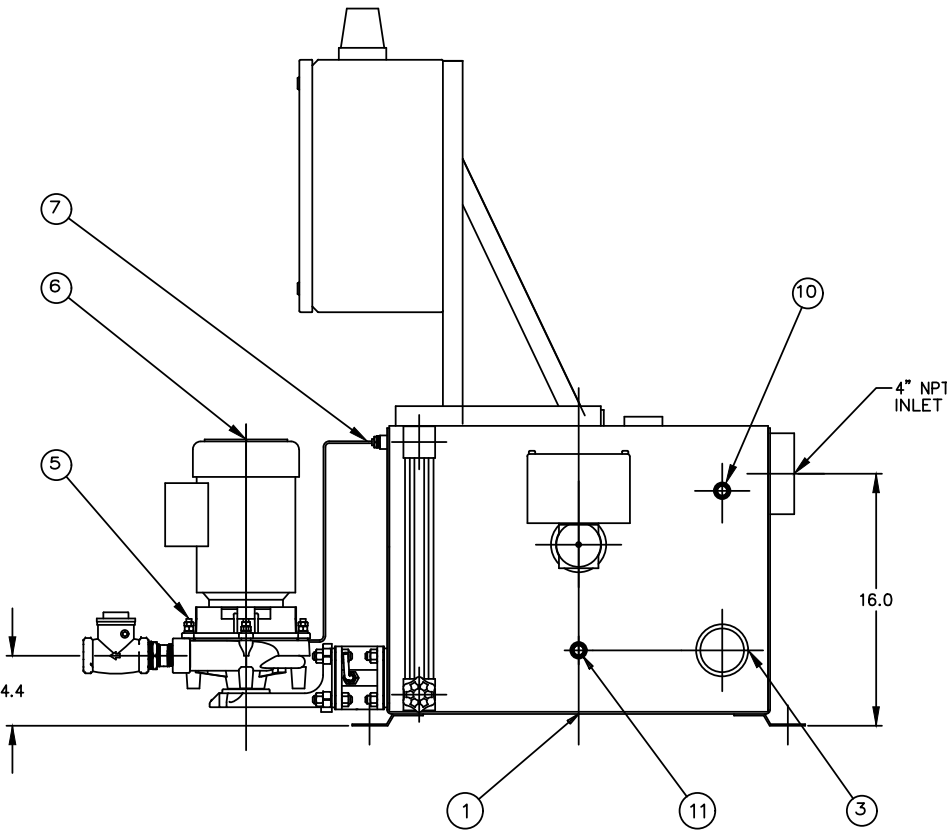
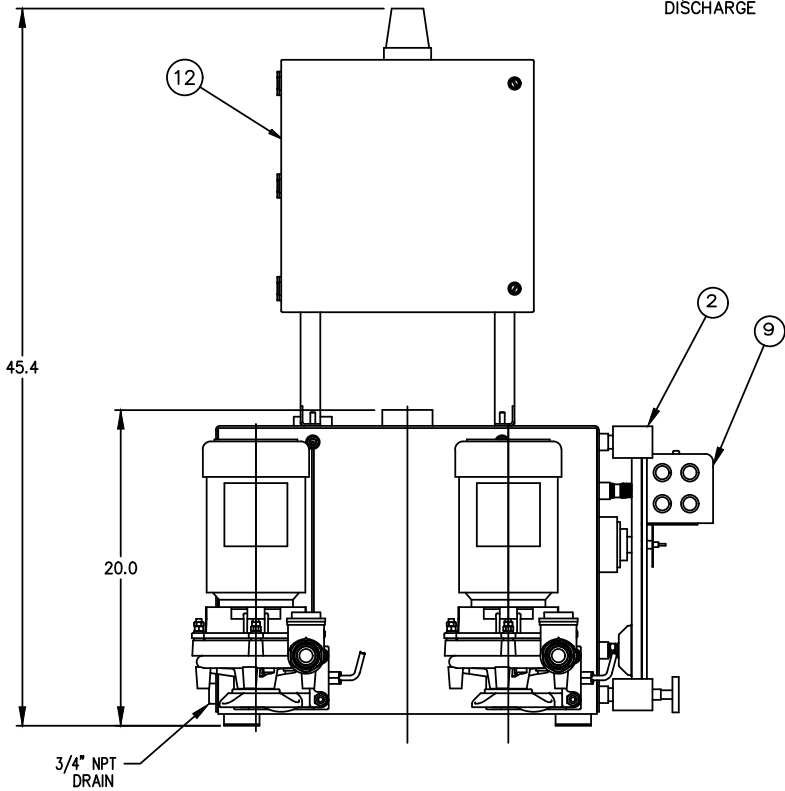
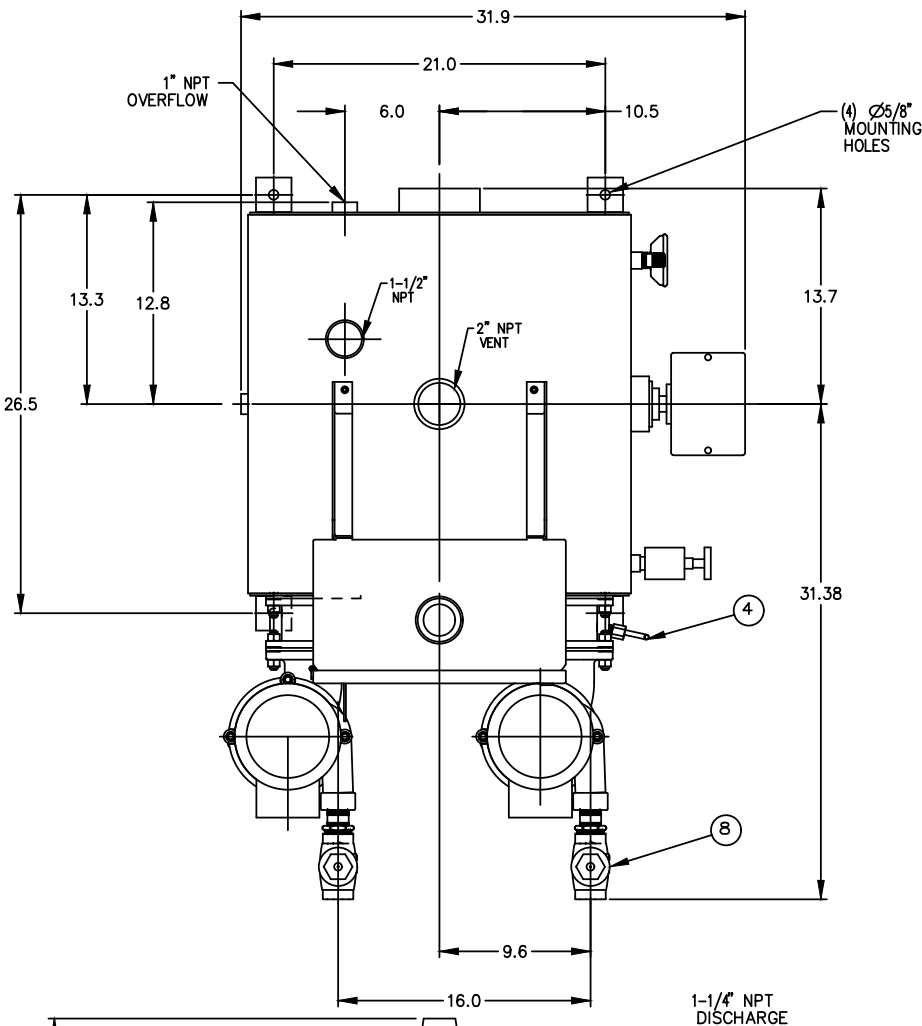
Unit **Standard Duplex Condensate Unit (45403030C6CD3D)**

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

INFORMATION CONTAINED HEREIN IS SUBJECT TO CHANGE WITHOUT NOTICE. FABTEK AERO LTD. ACCEPTS NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS INFORMATION OUTSIDE OF CONTRACTUAL AGREEMENTS.

CONFIDENTIAL

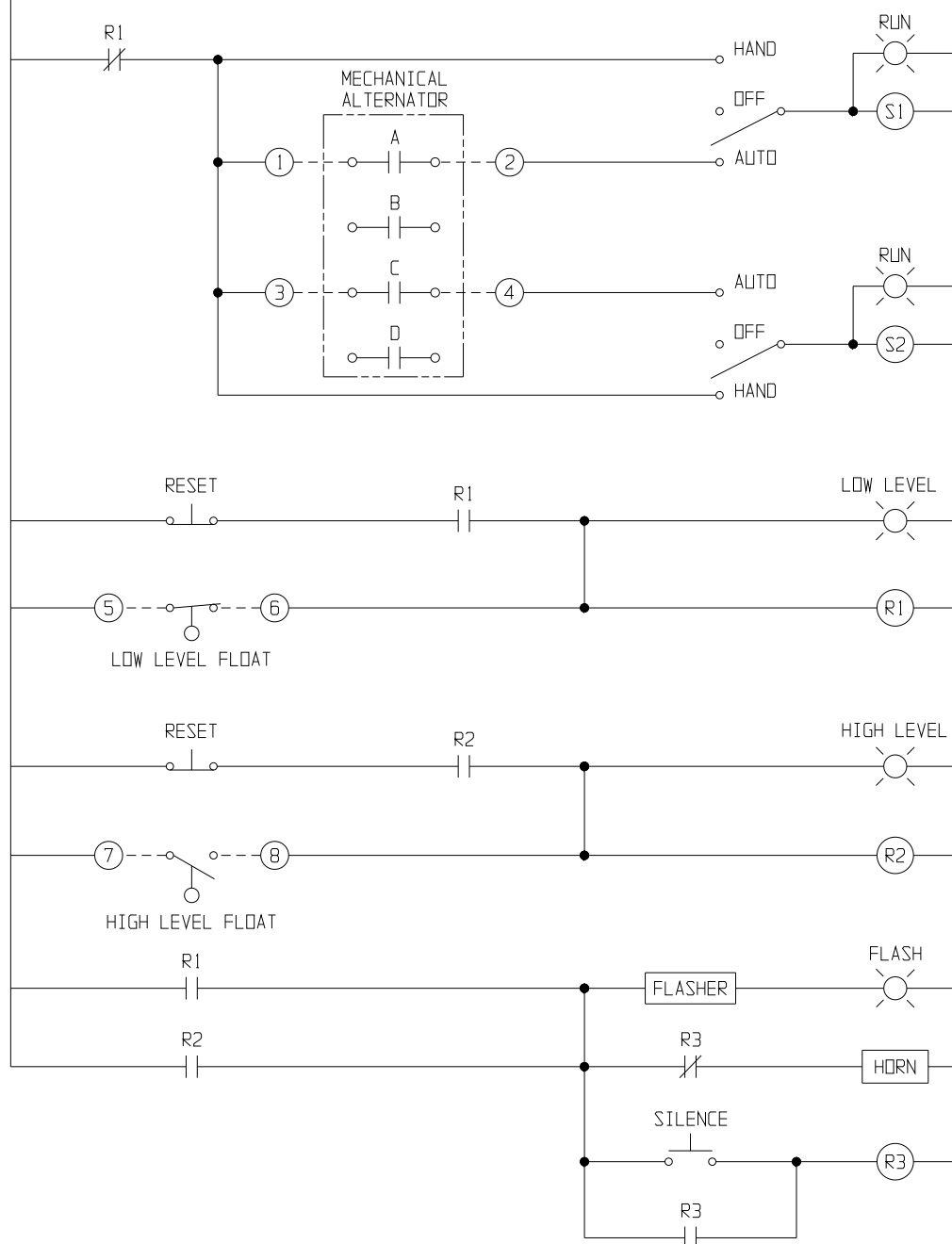
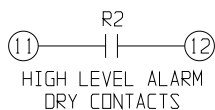
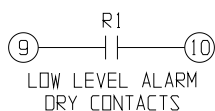
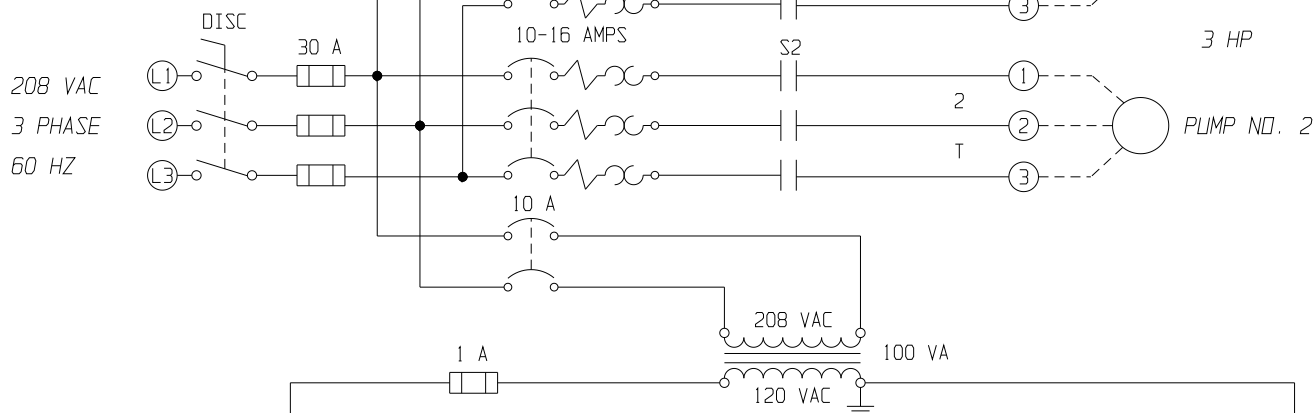
THIS DOCUMENT OR THOSE CONTAINED HEREIN INCLUDE PROPRIETARY INFORMATION THAT MAY NOT BE COPIED, OR OTHERWISE DIVULGED WITHOUT THE EXPRESS WRITTEN CONSENT OF FABTEK AERO LTD.

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.

DRAWING JLH 8-17-21

DATE

REVISD

FT230-3P-MA-FD-A2HL

DATE

FABITEK

QUALITY CONTROLS
MADE IN THE U.S.A.

PREPARED BY: BOULAY FABRICATION, INC.

MODEL FT230-3P-MA-FD-A2HL ORDER

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

JOB: 103 Church Street - Nanuet - BUY

REPRESENTATIVE: Wallace Eannace Associates, Inc

UNIT TAG:
ENGINEER: Sage Engineering

CONTRACTOR:
ORDER NO.
SUBMITTED BY: Alex Curran

APPROVED BY:
DATE: 9/11/2023

DATE:
DATE:


Miscellaneous Accessories

**FOR: HX-HS-2
& AS-HS-2-3**

DESCRIPTION

NO. 87, 67, and 7 AUTOMATIC AIR VENTS - are designed to vent the accumulation of troublesome air wherever it can be trapped. These non-ferrous automatic air vents are

4-3/4"x2-1/4", 3-3/16"x1-1/2", and 4-1/6"x2-3/16"(height and width), respectively, and are rated for a maximum operating temperature of 240°F at pressures of 150, 35, and 75 PSI, respectively. The No. 87 has a combination of 1/2" FPT / 3/4"MPT connection, whereas No's. 67 and 7 have 1/8" MPT and 1/8" FPT connections, respectively.

No. 26 VACUUM BREAKER - Designed to protect closed vessels and piping systems against collapse when the induced vacuum exceeds design conditions. When used on steam heating piping systems, the No. 26 Vacuum Breaker controls induced vacuum permitting normal return of condensate to the boiler. Adjustable range 1/4" to 20" (mercury) vacuum - 150 PSIG maximum working pressure - 240 ° F maximum operating temperature (Factory set at 4" mercury).

No. 17 SR. AUTOMATIC AIR VALVE - No. 17 Sr. Valve is a deluxe, hygroscopic air valve with manual shut-off. 1/8" MNPT connection.

30 PSIG Working Pressure

225 °F Maximum Operating Temperature

No. 4V "COIN-OPERATED" AIR VENT - This vent is specially designed for the new types of radiators. A particular feature is that it projects only slightly, being almost flush with the radiator.

150 PSIG Working Pressure

250 °F Maximum Operating Temperature

NO. 107A HIGH CAPACITY AIR VENT - A rugged High Capacity Air Vent designed to purge free air from liquid systems at operating pressures up to 150 psig. The Model 107A Air Vent has a cast iron body and bonnet, with stainless steel, brass, and EPDM internal components and is suitable for a maximum operating temperature of 250°F. The Model 107A Air Vent has a 3/4" FNPT inlet and 3/8" FNPT outlet.

RV-125A READOUT VALVE AND RP-250B READOUT PROBE - The RV-125A is designed for use wherever pressure tapings are required to monitor flow or pressures. This Readout Valve is fitted with an EPT insert which incorporates a unique check valve feature designed to check flow when the Readout Valve is not being used to monitor flow. Use companion RP-250B Readout Probes with the RV-125A Readout Valve. 300 PSIG working pressure - 250°F maximum operating temperature.

DT-2 DRAIN-O-TANK® AIR CHARGER - The Drain-O-Tank Air Charger offers a sure, quick way to recharge a water-logged compression tank.

125 PSIG Working Pressure

240 °F Maximum Operating Temperature

No. 97 Air Vent - is a float type automatic air vent that is designed to vent troublesome air from hydronic heating systems. The 97 vent has forged brass body and cap with non-ferrous internals. The vent is 3-1/8"x1-7/8" with a maximum operating pressure of 150 PSI and temperature of 240°F.

150 PSIG Working Pressure

240 °F Maximum Operating Temperature

No. 98 Air Vent - is a high capacity automatic air vent that is designed to remove air in closed loop systems. The No. 98 high capacity air vent has brass body and cap with non-ferrous internals. The vent is 4-1/2"x2-1/4" with with 1/2" NPTF connection.

150 PSIG Working Pressure

250 °F Maximum Operating Temperature

SCHEDULE

MODEL NUMBER	PART NUMBER	PRODUCT	MAXIMUM WORKING PRESSURE PSIG	MAXIMUM OPERATING TEMPERATURE °F	TAGGING INFORMATION	QUANTITY
4V	113055	Air Vent	150	250		
67	113020	Automatic Air Vent	35	240		
7	113001	Automatic Air Vent	75	240		
87	113021	Automatic Air Vent	150	240		
 107A	113076	High Capacity Automatic Air Vent	150	250	FOR AS-HS-1	1
17 Sr.	113004	Automatic Air Valve	30	225		
 26	113075	Vacuum Breaker	150	250	FOR HX-HS-2	1
DT-2	113041	Drain-O-Tank	125	240		
97	113222	Automatic Air Vent	150	240		
98	113246	High Capacity Automatic Air Vent	150	250		
RV-125A	113100	Readout Valve	300	250		
RP-250B	113102	Readout Probe	300	250		

DIMENSIONS AND WEIGHTS

MODEL NUMBER	PART NUMBER	DIMENSIONS INCHES		CONNECTIONS INCHES NPT		APPROX. SHPG. WT. LBS.	
		WIDTH	HEIGHT	SIZE	TYPE	CARTON OF	TOTAL
4V	113055	5/8	5/8	1/8	M	48	2.0
67	113020	1-1/2	3-3/16	1/8	M	12	3.0
7	113001	2-3/16	4-1/16	1/8	F	12	6.0
87	113021	2-1/4	4-3/4	3/4 1/2	M F	12	8.0
 107A	113076	4-1/2	9-5/8	3/4	F	1	10.0
17 Sr.	113004	13/16	1-1/4	1/8	M	12	2.0
 26	113075	1-1/4	3	3/4	M	6	3.0
DT-2	113041	2-1/4	9-5/16	1/2	M	12	8.0
97	113222	1-7/8	3-1/8	1/8	M	10	4.0
98	113246	2-1/4	4-1/2	1/2	F	10	8.0
RV-125A	113100	1/2	1-3/32	1/8	M	50	4.0
RP-250A	113102	1/2	1-31/32	7/16	M	6	0.1

* All dimensions and weights are approximate and not to be used for construction, pre-piping or freight rating unless certified by Bell & Gossett in writing.

MATERIALS OF CONSTRUCTION

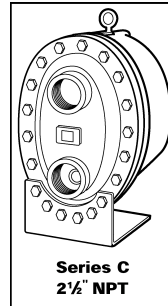
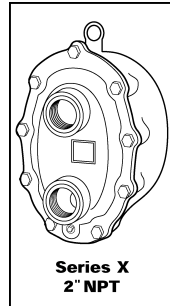
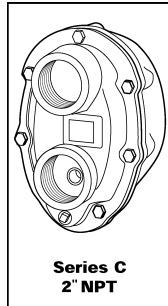
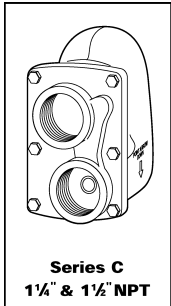
Body (all products except Model 107A High Capacity Air Vent): Brass

Body & Bonnet (Model 107A High Capacity Air Vent): Cast Iron

Internals: Nonferrous

JOB: 103 Church Street - Nanuet - BUY

REPRESENTATIVE: Wallace Eannace Associates, Inc

UNIT TAG:
ENGINEER: Sage Engineering
CONTRACTOR:
ORDER NO.
SUBMITTED BY: Alex Curran
APPROVED BY:
DATE: 9/11/2023
DATE:
DATE:


Hoffman Specialty



BEAR TRAP®

Series C & X

Float and Thermostatic

Steam Traps

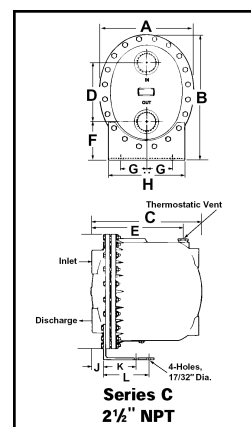
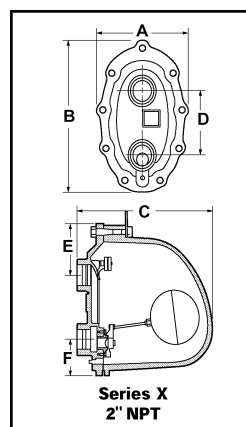
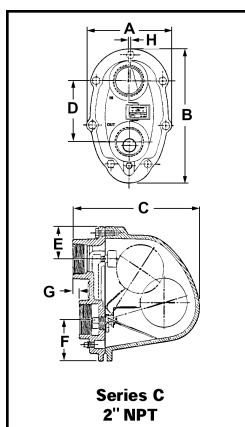
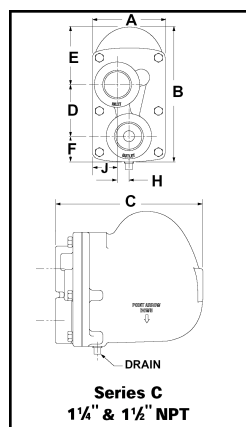
SCHEDULE

PART NUMBER	MODEL NUMBER	SIZE NPT INCHES	INLET PRESS. psi (bar)	DIFF. PRESS. psi (bar)	FLOW RATE lb/hr (kg/hr)	TAGGING INFORMATION	QUANTITY
404230	FT015C-6	1-1/2					
404240	FT015C-8	2					
➡ 404242	FT015X-8	2				ST	1
404244	FT015C-10	2-1/2					
404232	FT030C-6	1-1/2					
401887	FT030C-8	2					
401899	FT030X-8	2					
401875	FT030C-10	2-1/2					
404224	FT075C-5	1-1/4					
404234	FT075C-6	1-1/2					
401890	FT075C-8	2					
401902	FT075X-8	2					
401878	FT075C-10	2-1/2					
404226	FT125C-5	1-1/4					
404236	FT125C-6	1-1/2					
401893	FT125C-8	2					
401905	FT125X-8	2					
401881	FT125C-10	2-1/2					
404228	FT175C-5	1-1/4					
404238	FT175C-6	1-1/2					
401896	FT175C-8	2					
401907	FT175X-8	2					
401884	FT175C-10	2-1/2					

Hoffman Specialty

Materials of Construction

Part	Specifications
Body and cover	Cast Iron 30,000 psi tensile
Valve Pin and Seat	Stainless Steel (Hardened)
Float	Stainless Steel
Lever Assembly	Stainless Steel
Thermostatic Air Vent	Stainless Steel Cage and Thermal Element
Cover Bolts	Grade 5 Steel
Baffle	Stainless Steel (2-1/2" units only)

**Dimensions In. (mm)**

NPT Size in.	A	B	C	D	E	F	G	H	J	K	L	Weight lbs. (kg)
1-1/4	4-1/4 (108)	8-5/16 (211)	8-9/16 (217)	3 (76)	3-3/8 (86)	2 (51)	-	45/64 (17.8)	1-3/8 (35)	-	-	18 (8.2)
1-1/2	4-1/4 (108)	8-5/16 (211)	8-9/16 (217)	3 (76)	3-3/8 (86)	2 (51)	-	45/64 (17.8)	1-3/8 (35)	-	-	18 (8.2)
2-Std.	7-3/16 (183)	10-1/8 (265)	10-1/2 (267)	4-15/16 (379)	2-11/16 (68)	3-1/4 (83)	1/2 (12.7)	1/8 (3.2)	-	-	-	33 (15)
2-X	10 (254)	15 (381)	15-1/2 (394)	6-5/8 (168)	4-3/4 (121)	3-1/2 (89)	-	-	-	-	-	108 (49)
2-1/2	14-1/2 (368)	20-1/4 (514)	17-3/8 (441)	9-1/2 (241)	14-15/16 (379)	6-1/4 (159)	5 (127)	12 (305)	1-5/8 (41)	4-1/2 (114)	7 (178)	175 (79)

Ratings

NPT Size in.	Max. Operating Presssure psig (bar)	Maximum Temperature °F (°C)
1-1/4 through 2-1/2	175 (12.1)	377 (192)

Meets Mil Specification A-A-60001 Type VI, Class 1 - 5.

Capacities (shown as Gross Ratings).

Model	NPT Size in.	Orifice Size in. (mm)	PressureDifferential in Pounds Per Square Inch (bar)																	
			1/4 (0.017)	1/2 (0.035)	1 (0.07)	2 (0.14)	5 (0.35)	10 (0.69)	15 (1.0)	20 (1.4)	25 (1.69)	30 (2.1)	40 (2.8)	50 (3.5)	60 (4.2)	75 (5.2)	100 (6.9)	125 (8.6)	150 (10.4)	175 (12.1)
Capacity in Pounds of Condensate Per Hour (kg/hr)																				
FT015C-8	1-1/2	.5 (12.7)	1100 (500)	1700 (770)	2400 (1090)	3300 (1500)	5000 (2270)	6600 (3000)	7600 (3450)	-	-	-	-	-	-	-	-	-	-	-
FT015C-8	2	.687 (17.4)	2300 (1043)	2800 (1270)	3600 (1630)	4650 (2110)	6900 (3130)	9000 (4080)	10900 (4948)	-	-	-	-	-	-	-	-	-	-	-
 FT015X-8	2	.970 (24.6)	6500 (2950)	8000 (3628)	9500 (4310)	10800 (4900)	15500 (7030)	20900 (9480)	24000 (10885)	-	-	-	-	-	-	-	-	-	-	-
FT015C-10	2-1/2	1.875 (47.6)	17000 (7710)	20000 (9070)	27000 (12250)	36000 (16330)	46000 (20865)	55000 (24950)	60000 (27210)	-	-	-	-	-	-	-	-	-	-	-
FT030C-6	1-1/2	.390 (10)	1000 (450)	1300 (590)	1700 (770)	2300 (1040)	3400 (1540)	4600 (2085)	5500 (2495)	6000 (2720)	6600 (2995)	7000 (3178)	-	-	-	-	-	-	-	-
FT030C-8	2	.563 (14)	1700 (771)	2500 (1134)	3100 (1406)	4100 (1859)	5800 (2630)	7650 (3470)	9000 (4082)	10200 (4626)	11100 (5034)	1200 (5443)	-	-	-	-	-	-	-	-
FT030X-8	2	.876 (22)	3400 (1543)	4600 (2088)	6400 (2905)	8400 (3813)	12500 (5675)	16900 (7672)	19000 (8626)	21500 (9761)	23590 (10669)	24000 (10896)	-	-	-	-	-	-	-	-
FT030C-10	2-1/2	1.625 (41)	14000 (6356)	17000 (7718)	20900 (9488)	25500 (11577)	33200 (15072)	40500 (18387)	45500 (20657)	49400 (22427)	52700 (23925)	55600 (25242)	-	-	-	-	-	-	-	-
FT075C-5	1-1/4	.312 (8)	600 (272)	800 (363)	1040 (470)	1410 (640)	2200 (1000)	3100 (1405)	3800 (1725)	4100 (1860)	4500 (2040)	4700 (2130)	5000 (2270)	5300 (2400)	5500 (2500)	5900 (2675)	-	-	-	-
FT075C-6	1-1/2	.312 (8)	600 (272)	800 (363)	1040 (470)	1410 (640)	2200 (1000)	3100 (1405)	3800 (1725)	4100 (1860)	4500 (2040)	4700 (2130)	5000 (2270)	5300 (2400)	5500 (2500)	5900 (2675)	-	-	-	-
FT075C-8	2	.390 (10)	1000 (453)	1350 (612)	1700 (771)	2150 (975)	2950 (1338)	3600 (1632)	4300 (1950)	4850 (2199)	5400 (2449)	5800 (2630)	6600 (2993)	7200 (3265)	7850 (3560)	8500 (3855)	-	-	-	-
FT075X-8	2	.585 (15)	2550 (1156)	3150 (1428)	4300 (1930)	5450 (2472)	7600 (3447)	10400 (4717)	11400 (5171)	12500 (5670)	13500 (5123)	14250 (6463)	15600 (7076)	17150 (7779)	18600 (8436)	20500 (9298)	-	-	-	-
FT075C-10	2-1/2	1.031 (26)	5900 (2676)	7700 (3492)	10000 (4536)	13000 (5896)	18600 (8436)	24200 (10977)	28300 (12836)	31600 (14333)	34400 (15603)	36800 (16692)	41100 (18642)	44800 (20321)	48040 (21790)	52300 (23723)	-	-	-	-
FT125C-5	1-1/4	.246 (6.2)	430 (195)	540 (245)	700 (320)	940 (425)	1400 (635)	1800 (820)	2200 (1000)	2350 (1065)	2600 (1180)	2800 (1270)	3150 (1430)	3400 (1540)	3500 (1590)	3850 (1750)	4400 (2000)	4800 (2180)	-	-
FT125C-6	1-1/2	.246 (6.2)	430 (195)	540 (245)	700 (320)	940 (425)	1400 (635)	1800 (820)	2200 (1000)	2350 (1065)	2600 (1180)	2800 (1270)	3150 (1430)	3400 (1540)	3500 (1590)	3850 (1750)	4400 (2000)	4800 (2180)	-	-
FT125C-8	2	.294 (7)	730 (331)	900 (408)	1180 (535)	1450 (657)	2000 (907)	2600 (1179)	3100 (1406)	3550 (1610)	3900 (1769)	4250 (1927)	4850 (2199)	5350 (2426)	5850 (2653)	6450 (2925)	7350 (3333)	8150 (3696)	-	-
FT125X-8	2	.448 (11)	2300 (1043)	2800 (1270)	3450 (1564)	4200 (1905)	5450 (2472)	6600 (2993)	7450 (3379)	8050 (3651)	8600 (3900)	8950 (4059)	10350 (4694)	11950 (5420)	13400 (6078)	15600 (7076)	18850 (8550)	21800 (9888)	-	-
FT125C-10	2-1/2	.797 (20)	4000 (1814)	5300 (2404)	6900 (3129)	9100 (4127)	13000 (5896)	17100 (7756)	20000 (9072)	22400 (10160)	24500 (11113)	26300 (11929)	29400 (13335)	32100 (14560)	34650 (15717)	37600 (17055)	42100 (19096)	46000 (20865)	-	-
FT175C-5	1-1/4	.210 (5.3)	260 (120)	350 (160)	480 (220)	640 (290)	940 (425)	1190 (540)	1450 (660)	1560 (710)	1670 (760)	1750 (790)	1910 (865)	2040 (925)	2100 (950)	2300 (1040)	2500 (1135)	2900 (1315)	3140 (1425)	3240 (1470)
FT175C-6	1-1/2	.210 (5.3)	260 (120)	350 (160)	480 (220)	640 (290)	940 (425)	1190 (540)	1450 (660)	1560 (710)	1670 (760)	1750 (790)	1910 (865)	2040 (925)	2100 (950)	2300 (1040)	2500 (1135)	2900 (1315)	3140 (1425)	3240 (1470)
FT175C-8	2	.244 (6)	520 (235)	660 (299)	820 (371)	1050 (476)	1450 (657)	1850 (836)	2250 (1020)	2600 (1179)	2900 (1315)	3100 (1406)	3600 (1632)	4050 (1837)	4400 (1995)	4800 (2177)	5600 (2540)	6250 (2835)	6800 (3084)	7500 (3402)
FT175X-8	2	.375 (10)	2100 (953)	2600 (1180)	3000 (1362)	3500 (1589)	4400 (1997)	4900 (2224)	5350 (2428)	5800 (2633)	6250 (2837)	6700 (3041)	7600 (3450)	8600 (3904)	9550 (4335)	11000 (4994)	13000 (5902)	14750 (6696)	16500 (7491)	18000 (8172)
FT175C-10	2-1/2	.688 (17)	2460 (1116)	3350 (1520)	4600 (2088)	6200 (2814)	9400 (4267)	12800 (5811)	15400 (6991)	17500 (7945)	19300 (8762)	21000 (9534)	23800 (10805)	26300 (11940)	28060 (12739)	31600 (14346)	35900 (16298)	39700 (18023)	43100 (19567)	46200 (20974)