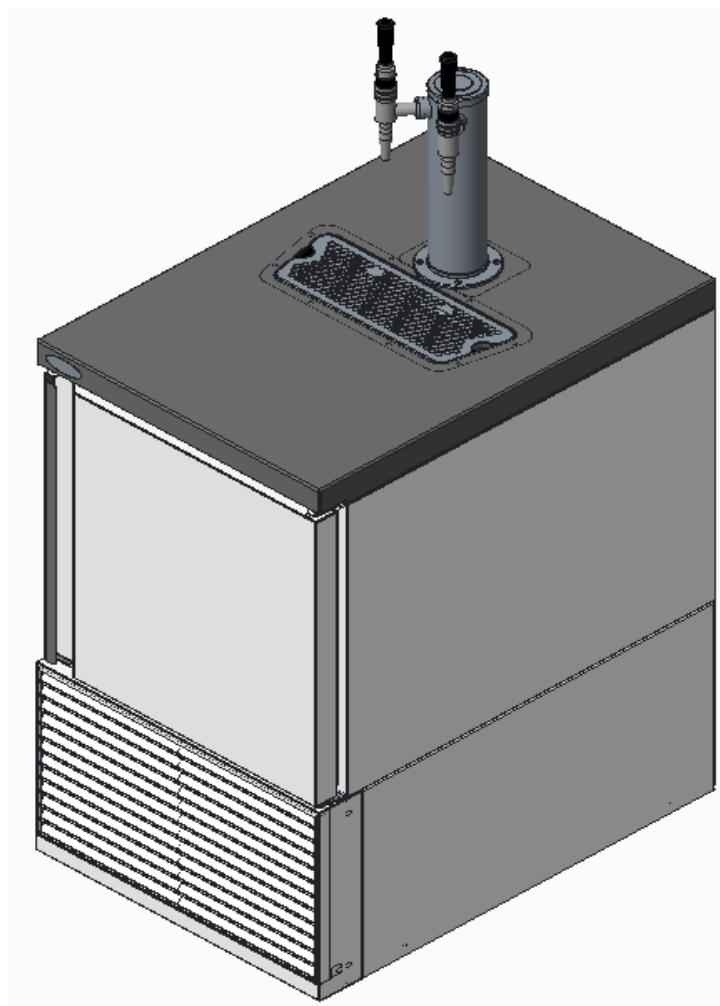




NITRO CNB BIB

IPL Manual



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Revision Date: Dec 27, 2017

Revision: 1

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The products, technical information, and instructions contained in this manual are subject to change without notice. These instructions are not intended to cover all details or variations of the equipment, nor to provide for every possible contingency in the installation, operation or maintenance of this equipment. This manual assumes that the person(s) working on the equipment have been trained and are skilled in working with electrical, plumbing, pneumatic, and mechanical equipment. It is assumed that appropriate safety precautions are taken and that all local safety and construction requirements are being met, in addition to the information contained in this manual.

This Product is warranted only as provided in Cornelius' Commercial Warranty applicable to this Product and is subject to all of the restrictions and limitations contained in the Commercial Warranty.

Cornelius will not be responsible for any repair, replacement or other service required by or loss or damage resulting from any of the following occurrences, including but not limited to, (1) other than normal and proper use and normal service conditions with respect to the Product, (2) improper voltage, (3) inadequate wiring, (4) abuse, (5) accident, (6) alteration, (7) misuse, (8) neglect, (9) unauthorized repair or the failure to utilize suitably qualified and trained persons to perform service and/or repair of the Product, (10) improper cleaning, (11) failure to follow installation, operating, cleaning or maintenance instructions, (12) use of "non-authorized" parts (i.e., parts that are not 100% compatible with the Product) which use voids the entire warranty, (13) Product parts in contact with water or the product dispensed which are adversely impacted by changes in liquid scale or chemical composition.

Contact Information:

To inquire about current revisions of this and other documentation or for assistance with any Cornelius product contact:

www.cornelius.com

800-238-3600

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This document contains the original instructions for the unit described.

CORNELIUS INC
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Tel: + 1 800-238-3600

Printed in U.S.A.

Correct Disposal of this Product



RECYCLE

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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TOP LEVEL ASSY 621058723

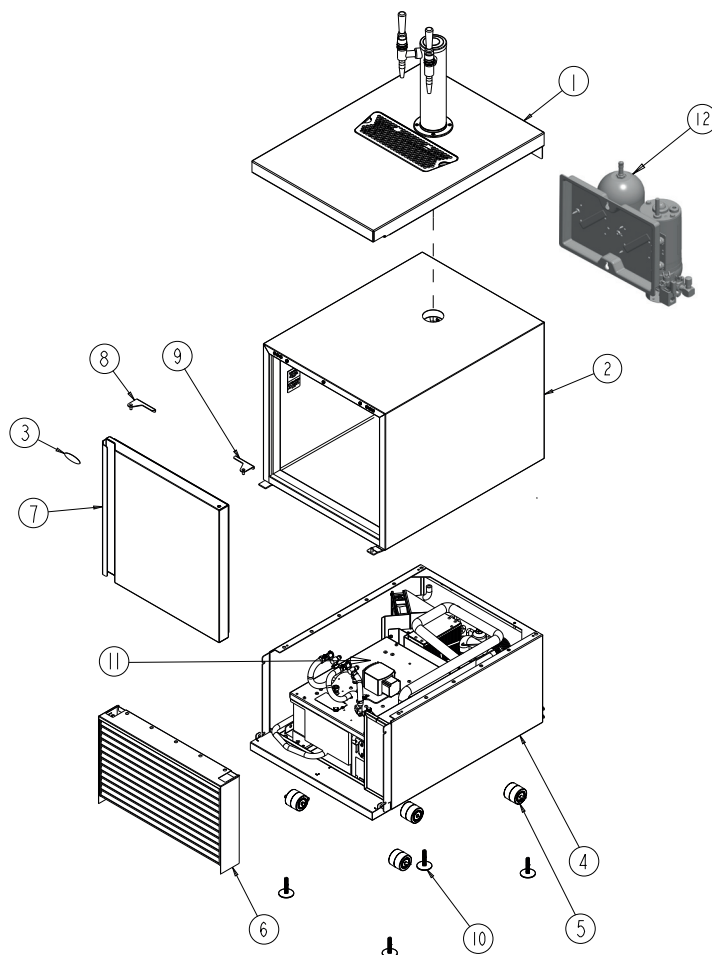


Figure 1

ITEM NO	PART NUMBER	DESCRIPTION
1.	XXXX	False Top Assembly
2.	XXXX	Cabinet Assembly
3.	188045000	Medallion Cornelius 2.578 Lgfs
4.	XXXX	Refrigeration System
5.	620067085	Wheel Roller
6.	XXXX	Front Grill Assembly
7.	XXXX	Door Assembly
8.	620067211	Brkt Top Door Hinge Left
9.	620067065	Brkt Top Door Hinge Right
10.	620067086	Leg-level 3/8-16 X 2.25
11.	620067214	System CNB Sliding Tray Assembly
12.	620068154	Water booster pump
*	620069613	Clip, Water booster pump

* Not Shown

FALSE TOP ASSY

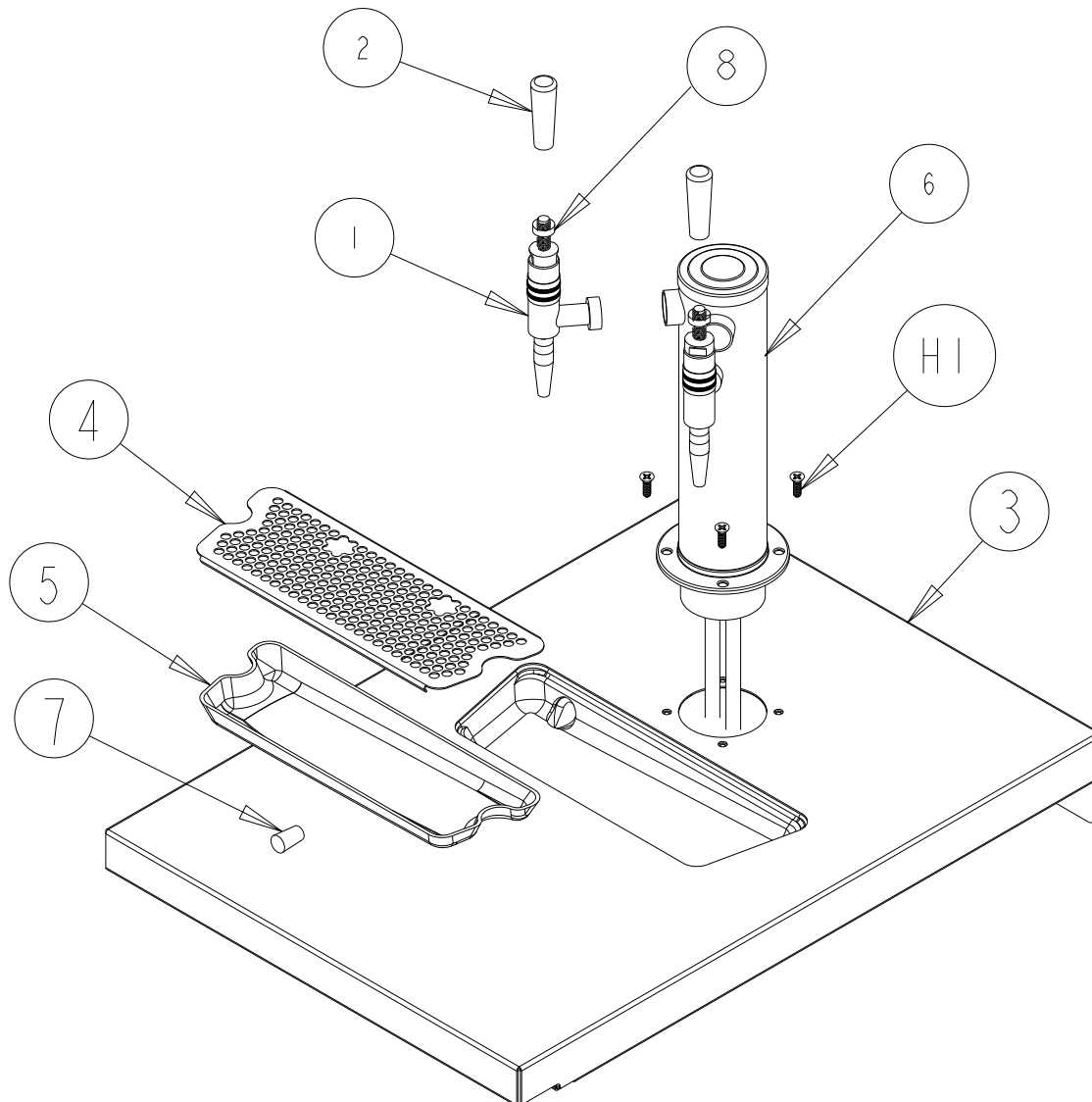


Figure 2

ITEM NO	PART NUMBER	DESCRIPTION
1.	620063846	Val Stout And Ale SS Tap
2.	620065669	Handle, Black Tap 3/8-16 UNC
3.	620067058	Foam-pack 20" Panel Top
4.	620067105	Drip-tray 2 Fau Drain Grate
5.	620067106	Drip-tray Insert
6.	620068157	Tower 2 Fau Ssp Water Cooled Chill-rite
7.	620068464	Plug Tapered Round Rubber Plug
8.	620069701	Collar Cap
*	620067013	O-Ring, Nozzle

*Not Shown

DOOR ASSY

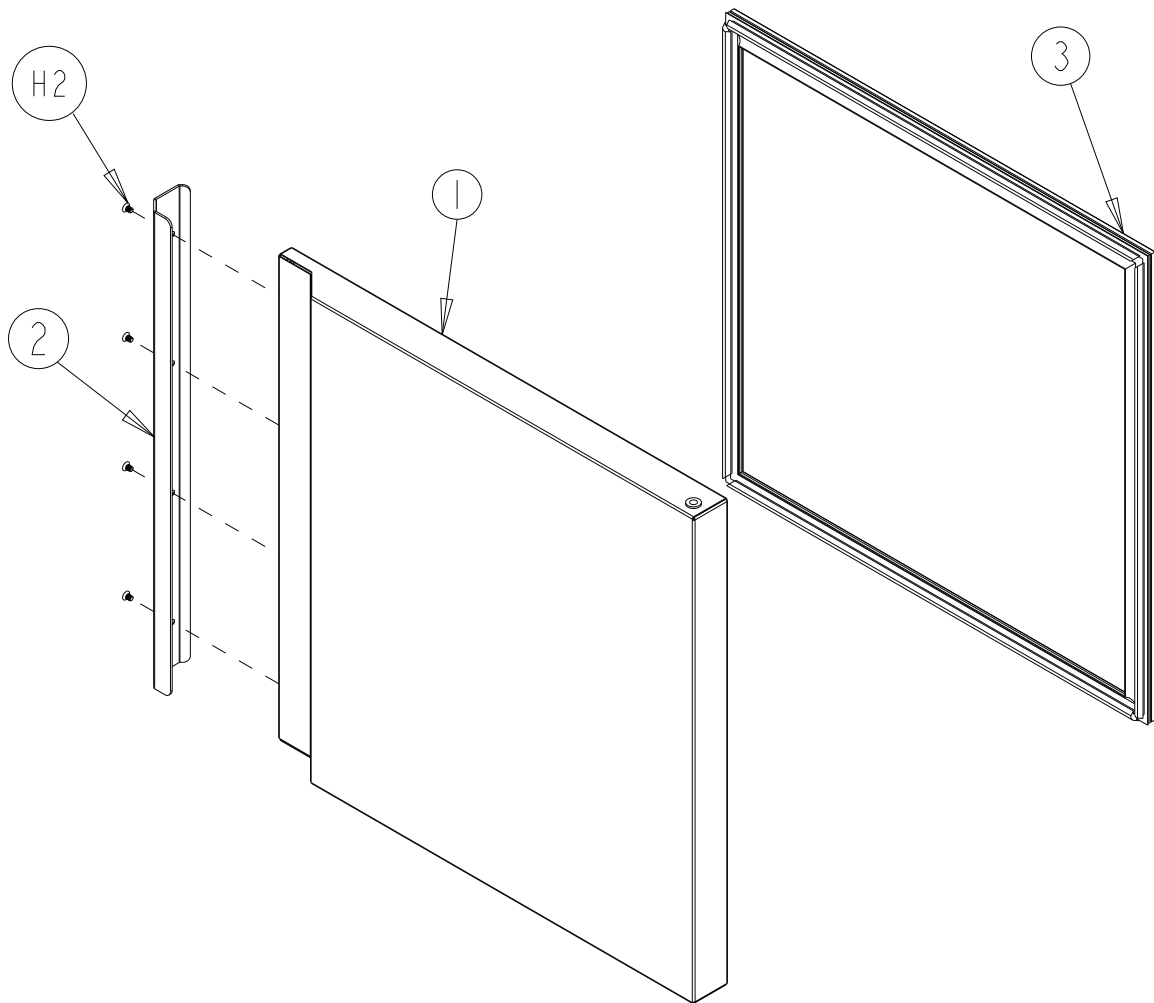


Figure 3

ITEM NO	PART NUMBER	DESCRIPTION
1.	620067066	Door 20" Foamed Assembly
2.	620067072	Handle Door
3.	620067125	Seal CNB Door Gasket

FRONT GRILL & REFRIGERATION CABINET ASSEMBLY

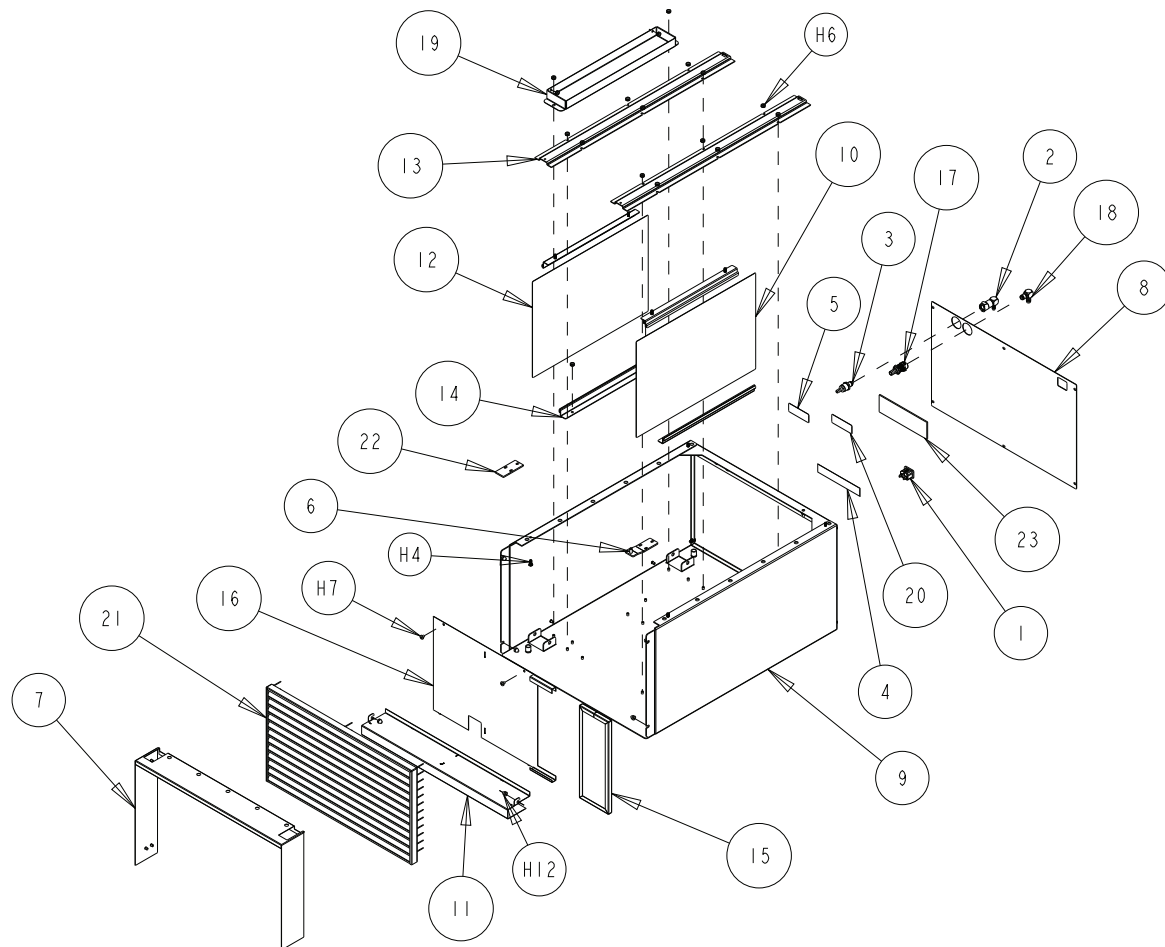


Figure 4

ITEM NO	PART NUMBER	DESCRIPTION
1.	4345	Receptacle Push-in 125/230V CE
2.	620056765	Fitg L-barb 1/4 X Qd Valved Body
3.	620063841	Fitg Barb 1/4 X Qd Pm Insert
4.	620065896	Label Electric Shock And Disconnect Power
5.	620066894	Label Nitrogen Input Pressure
6.	620067064	Brkt Bottom Door Hinge
7.	620067073	Panel Accs Front Panel Cover
8.	620067075	Panel Accs Rear Panel Cover
9.	620067079	Brkt Bottom Base
10.	620067080	Brkt Inlet Duct
11.	620067081	Brkt Air Filter Inlet

ITEM NO	PART NUMBER	DESCRIPTION
12.	620067082	Brkt Outlet Duct
13.	620067208	Brkt Bottom Rail
14.	620067209	Brkt Top Air Ducts
15.	620067210	Filter Air Ez Klean Aluminum Frame
16.	620067219	Panel Accs Air Filter
17.	620067408	Fitg Barb 3/8 X Qd Pm Body
18.	620067409	Fitg L-barb 3/8 X Qd Insert
19.	620067511	Drip-tray CNB Overflow
20.	620068148	Label Water Input Pressure 90psi
21.	620068165	Grille CNB Bib
22.	620068170	Brkt Bottom Door Cover Plate
23.	620919383	Label Caution "Moving Parts Crush"

CABINET ASSY

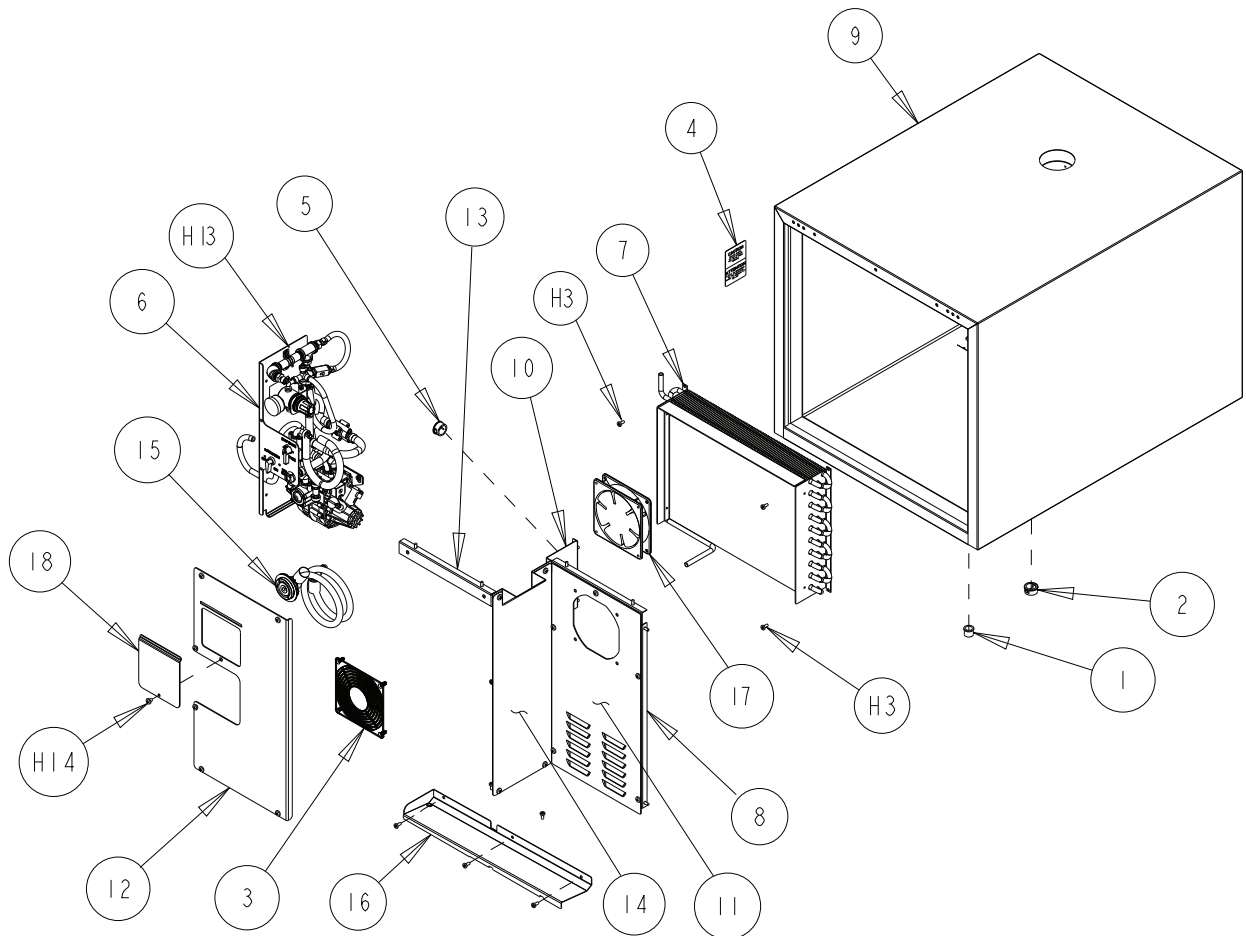


Figure 5

ITEM NO	PART NUMBER	DESCRIPTION
1.	07339010	Bushing
2.	320389000	Bushing Snap 875H 687ID
3.	620047512	Guard Fan EBM 9000 & 4000 Series
4.	620059684	Label - Caution - Moving Parts
5.	320389000	Bushing Snap 875H 687ID
6.	620066897	Box Assembly BIB Infusion
7.	620067078	Coil Water Recirculation
8.	620067088	Brkt Cabinet Right Side Panel Mount
9.	620067090	Foam-pack CNB Cabinet Assembly

ITEM NO	PART NUMBER	DESCRIPTION
10.	620067122	Brkt Middle Divider
11.	620067123	Panel Splash RH Cabinet
12.	620067203	Panel Splash LH Cabinet
13.	620067205	Brkt Cabinet Top Panel Mount
14.	620067218	Panel Splash Middle Cabinet
15.	620067410	Hose Assembly
16.	620067510	Drip-tray Recirculation Coils
17.	720506104	Fan-Assy 115/60/50 4.7x4.7x1.0 14/12W
18.	620068155	Panel Accs Nitrogen Regulator

BIB INFUSION SUB ASSY 620066897

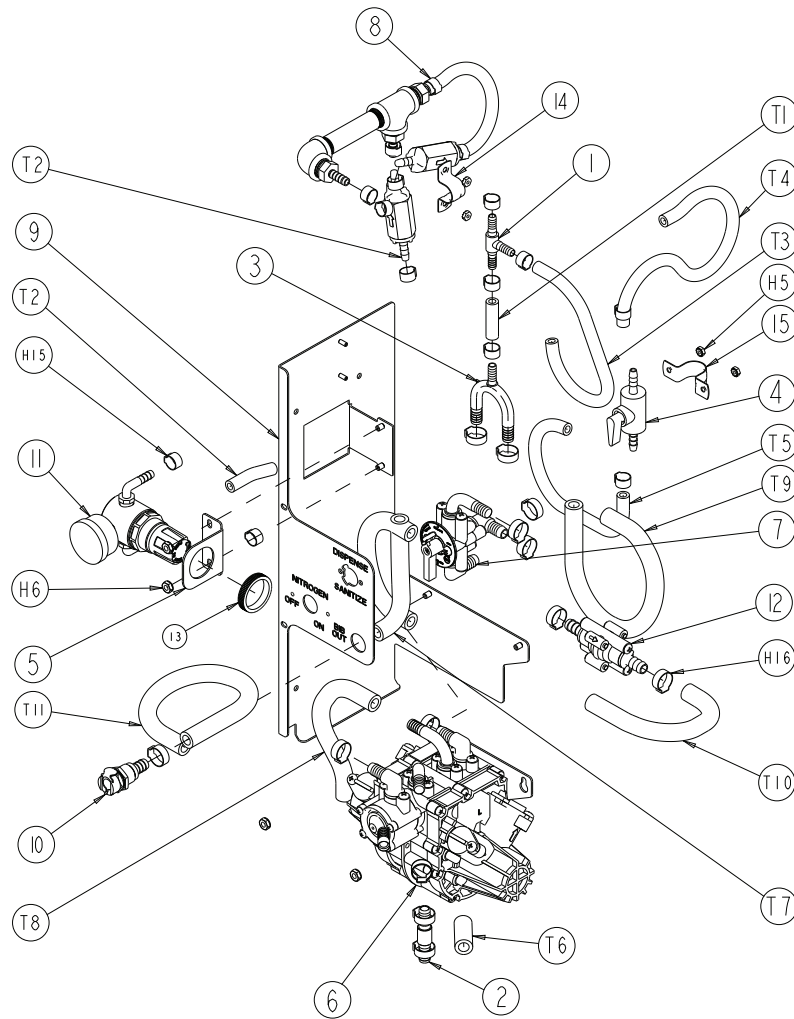


Figure 6

ITEM NO	PART NUMBER	DESCRIPTION
1.	77060100	Fitg T-brb 1/4 (3) SS
2.	77060900	Fitg T-brb 3/8 (3) SS
3.	77900201	Fitg U-brb 3/8(2) X 1/4 Brb SS
4.	325012000	Valve Shut-off 1/4 Barb Plstc
5.	620064644	Brkt Mtg N ₂ Sec Reg Assy
6.	620066896	Pump Brix 5:1 Ratio
7.	620067103	Val-three Way Sanitation
8.	620067129	Fitg-asy Sparger
9.	620067217	Brkt Cabinet Left Side Panel Mount
10.	620067408	Fitg Barb 3/8 X QD Pm Body
11.	620067881	Reg Miniature Precise Assy 60psig
12.	620068146	Valve Chk Reverse Flow Inhibitor
13.	620064652	Nut 1-3/16"-18 UNF Plastic
14.	620065853	Clamp 11/16" ID Galv ID Pipe
15.	620065859	Clamp 13/16" ID Galv ID

REFRIGERATION SYSTEM 620067214

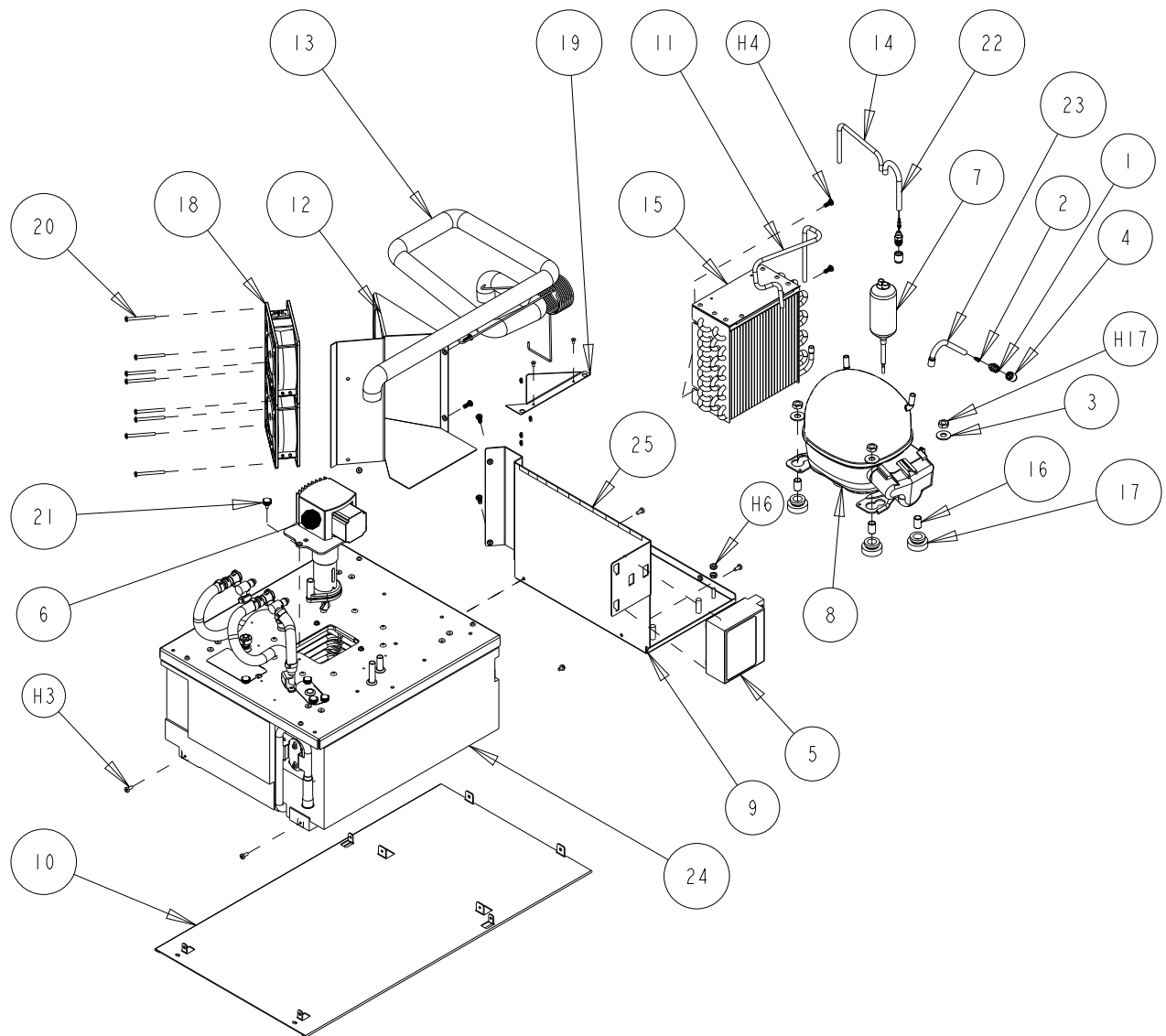


Figure 7

ITEM NO	PART NUMBER	DESCRIPTION
1.	20654	Val Acs
2.	21214	Val Core Fs
3.	70070	Wshr-ft-a031-0375-0875-070-st- Zn
4.	315499000	Cap Quick Seal 1/4
5.	440000911	Control Ice Bank Global 100/240V SMPS
6.	620042742	Agitator Motor Assembly 115V Questitg
7.	620047114	Dryer 2 Cu Infilter Dryer
8.	620058690	Comp 115v/60hz Qst 2/4FL Tcmseh
9.	620067063	Brkt Evap Comp Assembly
10.	620067077	Brkt Tray Assembly
11.	620067124	Line Disch CNB BIB
12.	620067213	Brkt Cond Fan Mount
13.	620067406	Line Suct CNB BIB
14.	620067514	Line Liq CNB BIB
15.	620068149	Cond-asy CNB BIB Refrigeration
16.	620068358	Sleeve Compressor 315 ID
17.	620068359	Grommet Compressor Isolator
18.	620068367	Fan Orion Ac 120V 3A 110CFM
19.	620068455	Brkt Fan Shroud Cover
20.	630901579	Screw Ma 08-32 Paph 56 SS
21.	720500069	Screw Sm 08-32 Thmb 12 SS
22.	720502004	Tube Formed Line Process Quest
23.	740001845	Comp Process Tube Qstfl
24.	740002241	Cover Tank Assy 4FL Gen2 BIB Nitro
25.	620712019	Grommet Flexible Black 0.085

ICE BANK SUB ASSEMBLY 740002241

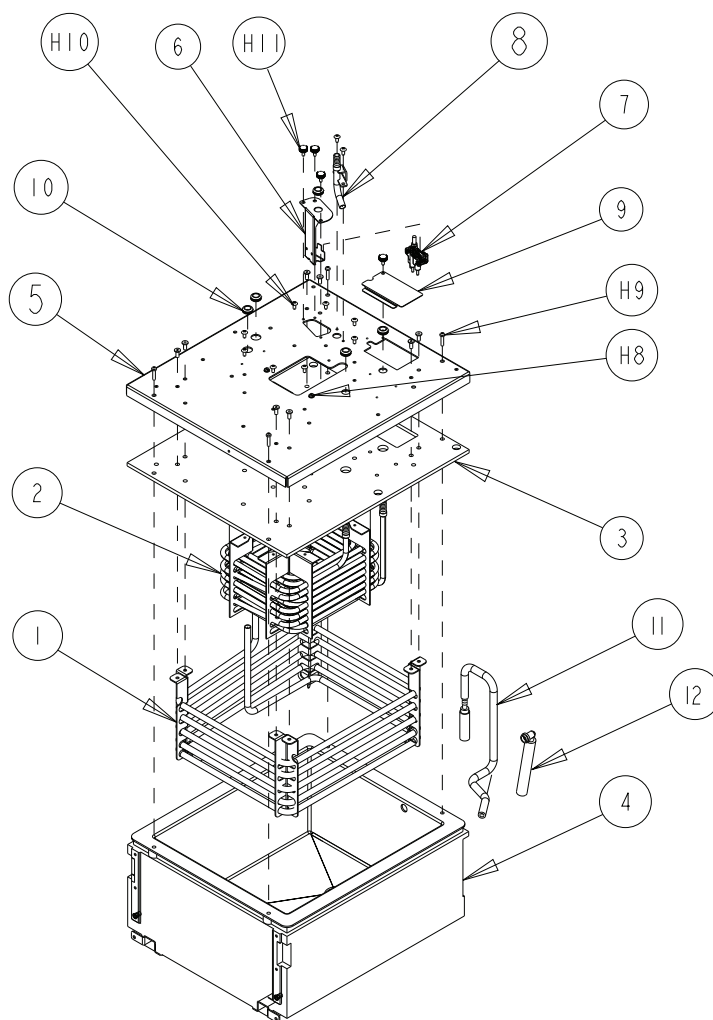


Figure 8

ITEM NO	PART NUMBER	DESCRIPTION
1.	620048911	Evaporator Coil
2.	620048929	Coil Water Asy
3.	620048951	Cover Insulation Water Tank
4.	620049093	Tank Foam Qste Finish
5.	620049096	Cover Tank W/Iceprobe Cutout
6.	620051426	Brkt Mtg Ice Probe Queste
7.	620607112	Probe Ice Bank GCC W/clip
8.	620051410	Tube Extension Asy Qst Elite 4FL
9.	720201615	Plate Cover
10.	720509224	Grommet 3/8" ID X 1/2" Grv Dia X 3/32" Grv
11.	620049039	Fitting, Water Tank, Qst2
12.	620720620	Fitg-drain Qst 2 & 4
*	630800068	S-wrap 300-15

* Not Shown

TUBING FOR CABINET ASSY

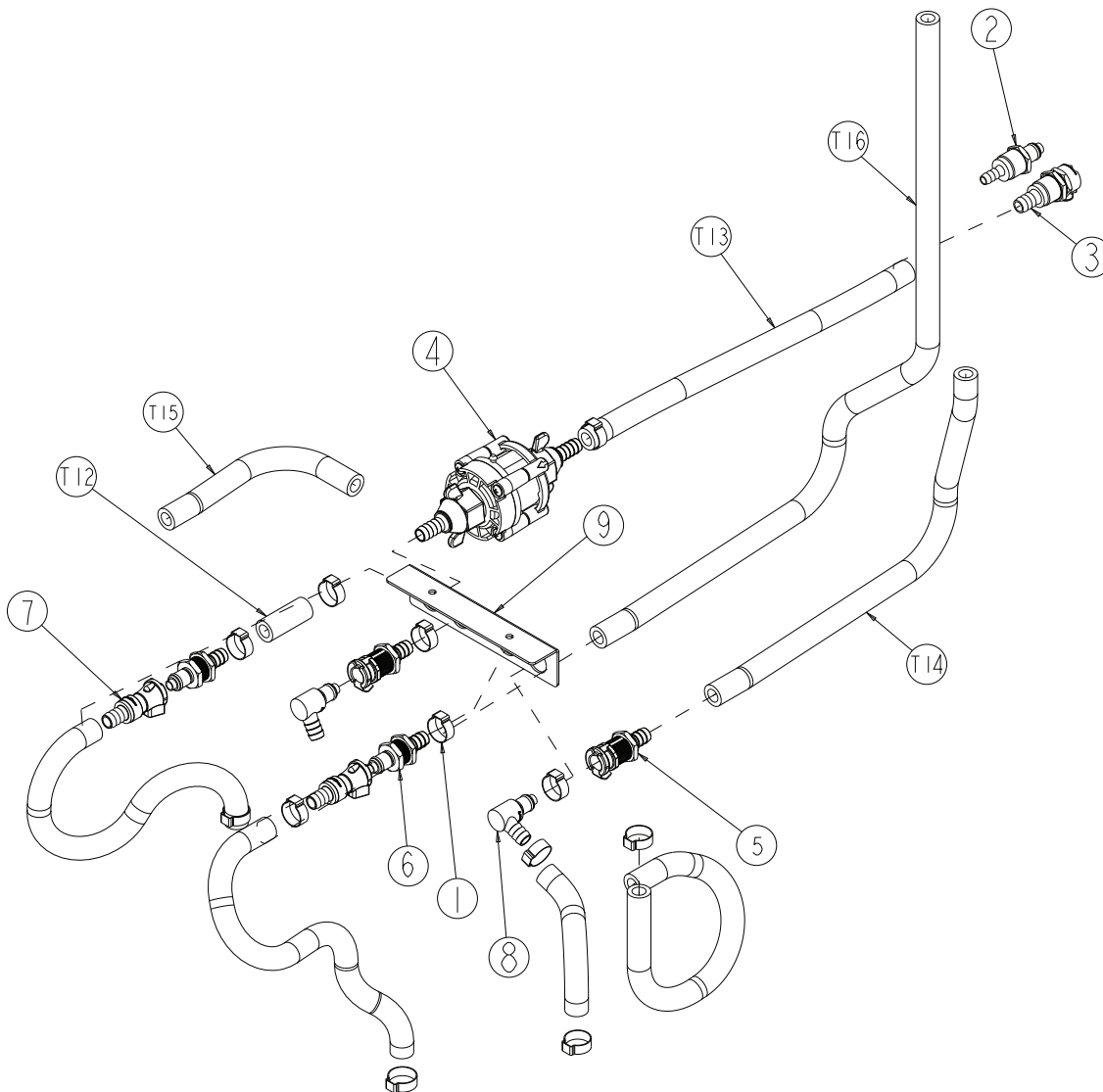


Figure 9

ITEM NO	PART NUMBER	DESCRIPTION
1.	3309852000	Clamp Oetr 669open Stpls #17.0
2.	620063841	Fitg Barb 1/4 X Qd Pm Insert
3.	620067408	Fitg Barb 3/8 X Qd Pm Body
4.	620068145	Valve Fixed 50psi Water
5.	620068159	Fitg Barb 3/8 X Qd Pm Body Valved Acetal
6.	620068160	Fitg Barb 3/8 X Qd Pm Insert Valved Acetal
7.	620068162	Fitg Barb 3/8 X Qd Body Val
8.	620068161	Fitg L-barb 3/8 X Qd Insert
9.	620068156	Brkt Water Bath Panel Mount

HARDWARE

ITEM NO	CORNELIUS PART NO.	DESCRIPTION
H1	620065854	Screw Ma 10-24 X 1/2 Fh SS W/dr
H2	620061954	Screw Ma 08-32 Flph 08 SS
H3	70203	Screw Sm 08 Ta Trph 12 SS
H4	620064386	Screw Ma 10-32 Paph 16 SS W/ Dr1-loc
H5	164083001	Nut Hex 06-32 Stz1 Lock Fs
H6	321811000	Nut Hex 10-32 Stz1 Keps
H7	400329	Scr 10-32x1/4 Tap PHD PHR
H8	289521	Screw- #8-32x3/8 Type "F" Hhs Znc
H9	0702609	Screw Ma 08-32 Bdph 24 SS
H10	07115001	Screw Tf 08-32 Trph 12 SS
H11	720500069	Screw Sm 08-32 Thmb 12 SS
H12	638007229-01	Nut Acrn 10-32 SS Center Lock
H13	620065853	Clamp 11/16" Id Galvid Pipe
H14	638007051-01	Screw Ma 10-32 Bdph 08 SS
H15	312926000	Clamp 484 Open Stpls #12.3
H16	309852000	Clamp 669 Open Stpls #17.0
H17	186146000	Nut Hex 5/16-18 SS

TUBING

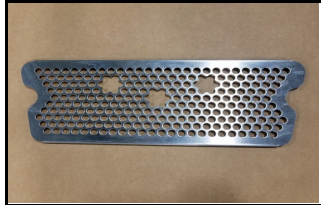
ITEM NO	CORNELIUS PART NO	DESCRIPTION
T1	620063986-0012	Tubg Cut 1.50" 1/4ID Reinforced Tygon
T2	620063986-0020	Tubg Cut 2.00" 1/4ID Reinf Tygon
T3	620063986-0102	Tubg Cut 10.50" 1/4ID Reinf
T4	620063986-0122	Tubg Cut 12.50" 1/4ID Reinforced Tygon
T5	620063986-0162	Tubg Cut 16.50" 1/4ID Reinforced Tygon
T6	620068465-0012	Tubg Cut 1.50" 3/8ID Reinforced Tygon
T7	620068465-0050	Tubg Cut 5.00" 3/8ID Reinforced Tygon
T8	620068465-0062	Tubg Cut 6.50" 3/8ID Reinforced Tygon
T9	620068465-0070	Tubg Cut 7.00" 3/8ID Reinforced Tygon
T10	620068465-0072	Tubg Cut 7.50" 3/8ID Reinforced Tygon
T11	620068465-0120	Tubg Cut 12.00" 3/8ID Reinforced Tygon
T12	620068465-0020	Tubg Cut 2.00" 3/8ID Reinforced Tygon
T13	620068465-0111	Tubg Cut 11.25" 3/8ID Reinforced Tygon
T14	620068465-0142	Tubg Cut 14.50" 3/8ID Reinforced Tygon
T15	620068465-0160	Tubg Cut 16.00" 3/8ID Reinforced Tygon
T16	620068465-0252	Tubg Cut 25.50" 3/8ID Reinforced Tygon

HARNESS

SL NO.	CORNELIUS PART NO.	DESCRIPTION
1.	620068363	Harn Main Power
2.	620068365	Harn Cabinet Cooling Fans
3.	620067890	Harn Comp To Cntr CNB
4.	620068362	Harn Comp Fan
5.	620068364	Harn Ice Bank Cntr Power

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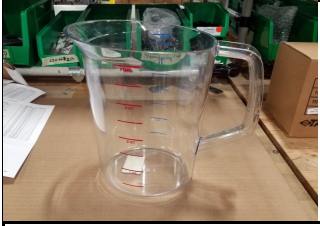
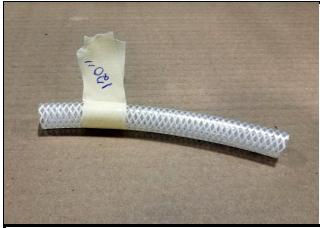
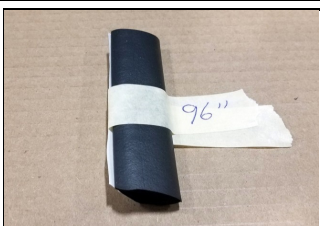
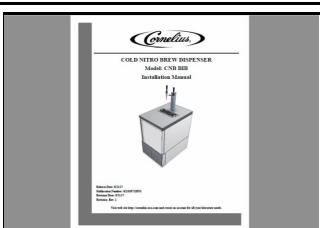
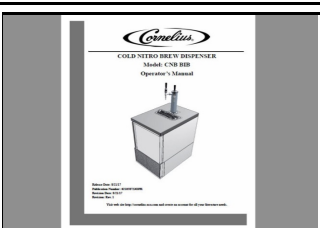
ACCESSORIES LIST

Drain and Drip Tray			
	41460 - Barbed Fitting - 1 pc	620065852 - Elbow Fitting - 1 pc	50278 - Clear PVC Tubing - 120"
			
	620068464 - Rubber Plug - 1 pc	620067106 - Drip Tray Insert - 1 pc	620067105 - Drip Tray Grate - 1 pc
Nitrogen Connection			
	620056765 - Nitrogen QC Fitting - 1 pc	312926000 - #12.3 Oetiker Clamp - 10 pcs	325012000 - Shut Off Valve - 1 pc
			
Taps	620063350 - Nitro Tank Regulator - 1 pc	620063351 - Tank Wrench - 1 pc	620708933 - 1/4" ID Tygon Tubing - 120 in
			
	77010100 - Flare Swivel Nut - 1 pc	77010400 - Flare Stem Fitting - 1 pc	
Connectors			
	620063846 - Tap Valve - 2 pcs	620065669 - Tap Handle - 2 pcs	620066658 - Valve Wrench - 1 pc
			
	620068457-001 - Power Cord - 1 pc	620067410 - BIB Hose Assembly - 1 pc	

620069387 REV1

1 of 2

ACCESSORIES LIST- COND

Cleaning	 620068460 - Cleaning Adapter - 1 pc	 620068462 - 1 Gal Bucket - 2 pcs	
Water Connection	 620068465-1200 - 3/8" ID Tubing - 120 in	 45371 - John Guest Barb Fitting - 1 pc	 620068154 - Water Booster Pump - 1 pc
	 620068750 - Compression Nut - 1 pc	 620068749 - Compression Fitting - 1 pc	 309852000 - #17.0 Oetiker Clamp - 10 pcs
	 620067409 - Water Elbow Fitting - 1 pc		
Conversion	 620068463-0960 - Foam Seal - 96 in.	 620067086 - Leveling Leg - 4 pcs	 620067211 - Top Left Door Bracket to Reverse Swing - 1 pc
Manuals	 621058723INS - Installation Manual - 1 pc	 621058723INS - Operator's Manual - 1 pc	 620069387 - Accessories List - 1 pc

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