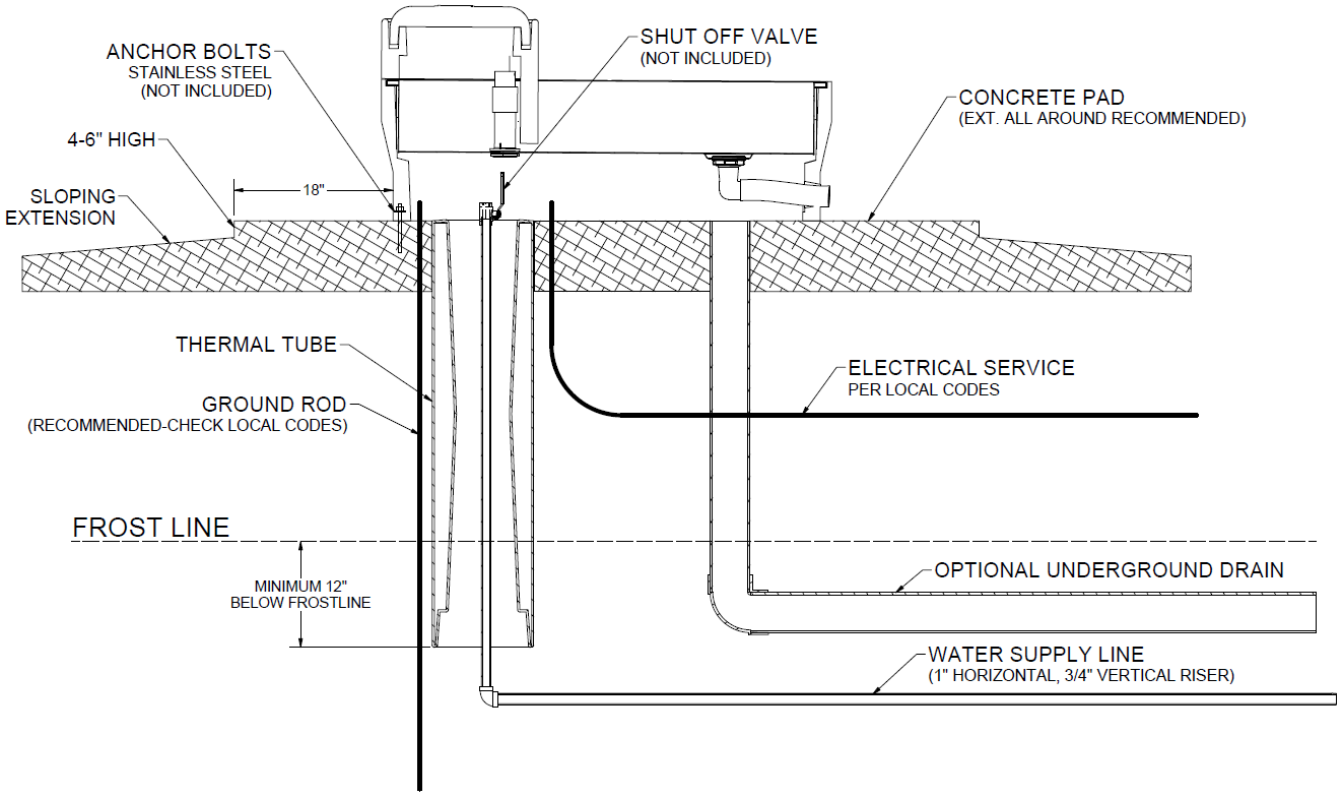
CattleMaster Series
Installation Instructions



A. Location - Installing the fountain in a location that offers protection from the wind will enhance the performance of the fountain. Livestock will tend to gather in this protected area, enticing them to drink more. Access panel should be opposite of prevailing winter wind to give additional protection to the supply line.

B. Water Supply Line - Horizontal underground water line should be sized to account for pressure drop, relating to distance, and placed one foot below frost line. A one-inch supply pipe is recommended. A shut-off valve should be installed under fountain to allow for easier servicing. For optimum serviceability, a stop and waste valve can be installed below frost level to drain water when unit is not in use. Vertical supply line must be centered in riser tube to provide an air space between the line and frozen ground outside of tube. Flush water supply line thoroughly before connection to fountain. Water supplies with foreign material such as sand, rust, etc. may require a filter to keep fountain valve working properly.

C. Electric Supply – It is generally most cost effective to run your electrical supply line at the same time you are trenching for your water supply.

Item No.	Description	Watts	Amps
18248	CM480 120V	548W	4.6A@120V
18235	CM840 120V	1048W	8.7A@120V
18700	CM10T 120V	1048W	8.7A@120V
18252	CM1440 120V	1298W	10.8A@120V

Item No.	Description	Watts	Amps
18251	CM480 240V	648W	2.7A@240V
18243	CM840 240V	948W	4A@240V
18701	CM10T 240V	948W	4A@240V
18255	CM1440 240V	948W	4A@240V

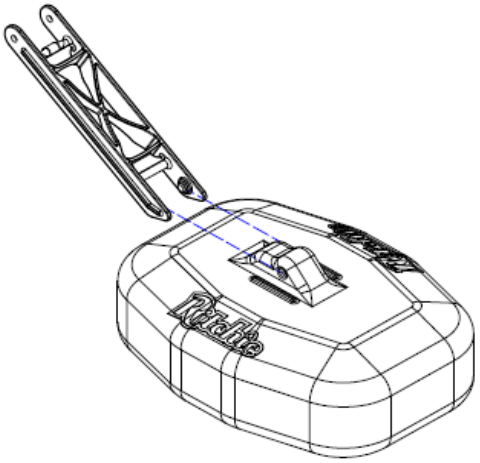
D. Riser Tube - Install a riser tube and extend it at least one foot below frost line or down to horizontal underground water line. For optimum water line protection, use the 12" diameter insulated *Ritchie Thermal Tube*, part numbers and sizes are shown to the right. Tube opening must be kept clear.

Ritchie Thermal Tube	
Part #	**Description**
18158	1' Top Section
16612	4' Top Section
16416	2' Extension

NOTE: *The supply line touching the riser tube is the most common cause of the supply line freezing. Do not surround the supply line with insulation, wood, or other foreign material. Any foreign material in the tube may cause frost to migrate to the supply line causing it to freeze.*

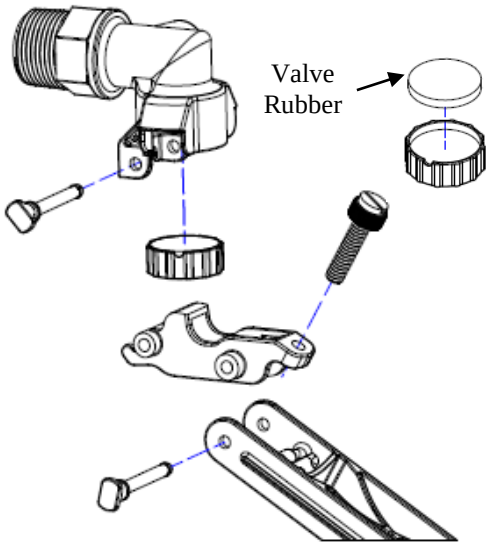
E. Mounting Platform - A concrete platform must be provided for all fountains. Use a minimum of 4" thick, (6" recommended thickness), large enough to accommodate fountain, and additional 4" step (on top of the platform) extending 18" out from each side of the unit. This will protect the unit from manure handling equipment, as well as discouraging animals from defecating in the fountain. Extending the platform provides animals a place to stand while drinking, consider the size of your animals when determining the dimensions of your platform. The concrete step and platform should slope away from the fountain for drainage and should be flush with the top of the thermal tube. A rough broom finish to concrete surface provides better footing for livestock.

F. Hose Connection - Connect hose fitting to shut-off valve at top of concrete. Slip on barb fitting with furnished clamps. Hose should not touch insulation or outside surface of fountain. Place the hose under the fountain as you move the unit in place over the riser tube.



G. Preparing the Bottom - Apply the provided foam weather stripping to the bottom of the unit, along the outside edge of the fountain.

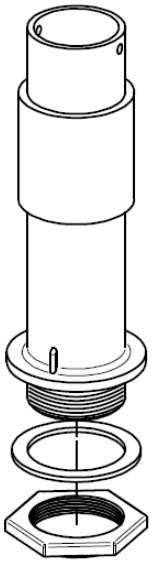
H. Anchoring Fountain - CattleMaster Fountains have mounting pockets molded into the base. The use of 3/8" x 5" stainless steel expansion anchor bolts (not included) is recommended. Anchor bolts are available from Ritchie in a two pack, part #16555. Large diameter fender washers are included and should be used with anchor bolt to prevent damage to the plastic casing. Remove the side access panel to prepare for the remainder of the installation process.



I. Valve Assembly – The valve assembly can be put together before proceeding.

1. Insert valve rubber into the valve rubber retainer.
2. Attach float arm to float as shown in diagram. The raised emboss on top of float should be orientated as shown.
3. Screw thumb screw into cam arm. To adjust water level, tighten thumb screw to lower, loosen thumb screw to raise.
4. Insert the valve rubber retainer into the valve body with the valve rubber up. Align the cam arm to the valve body and insert first pin.
5. Align the float arm and attached float to the cam arm and insert second pin.

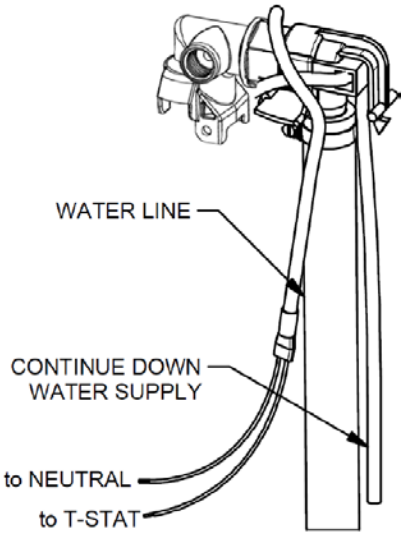
J. Standpipe installation –



1. Install standpipe into hole in trough. Rubber washer is to be on inside of trough. Tighten nut hand tight to allow for adjustment after valve assembly is installed.
2. Feed supply hose up through standpipe and attach to valve bracket. The hose may be shortened if necessary. Tighten the hose clamp securely to prevent leaks.
3. The lower front peg on valve bracket should be inserted into hole on standpipe first. Compress valve clip to snap in opposite hole on standpipe.
4. Rotate standpipe in trough until center of float aligns with center of trough. DO NOT allow float to be too close to frame when installed as this may hamper valve performance.
5. Tighten standpipe nut hand tight plus one-quarter turn. DO NOT use joint compound for this fitting.

K. Cable Heater – Uncoil cable heater and loop around the valve. Attach the remaining part of the cable heater to the water supply, as far down the riser tube as possible with the cable twist ties provided. This heater is watertight but should not be immersed in water. Heater may cross over itself but should not be tightened at those locations.

CAUTION: Installation must not cause any strain on heater wiring connections. Avoid heater damage caused by hot spots due to its leads lying close to each other. Also, do not wrap additional insulation around heater.



L. Electrical Connection - The electrical installation should be made and maintained by a qualified electrician conforming to national and local codes. A means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules. For wiring connections, see wiring diagram. Make connections according to the wiring diagram below.

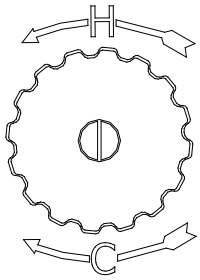
WARNING: ANY ELECTRICAL SERVICE MUST BE INSTALLED AND MAINTAINED BY A QUALIFIED ELECTRICIAN.

WARNING: DISCONNECT POWER IF THE WATER SUPPLY IS TO BE SHUT OFF FOR AN EXTENDED AMOUNT OF TIME. FAILURE TO TURN OFF POWER CAN RESULT IN DAMAGE TO THE WATERING FOUNTAIN.

WARNING: THIS INSTALLATION MUST BE MADE AND MAINTAINED IN STRICT CONFORMITY WITH NATIONAL/LOCAL PLUMBING CODES AND NATIONAL/LOCAL ELECTRICAL CODES (CSA IN CANADA). THE APPLICABLE PROVISIONS OF THESE CODES TAKE PRECEDENT. FAILURE TO MAKE AND MAINTAIN ALL INSTALLATIONS PROPERLY MAY RESULT IN LOSS OF LIVESTOCK, PERSONAL INJURY, OR DEATH.

NOTE: *National/Local electrical codes may require livestock waterers installed in feedlots in open feeding area to be grounded by a separate stranded copper grounding conductor or at least no.6 AWG terminating at a point where the branch circuit receives its supply. Check with local inspecting authorities.*

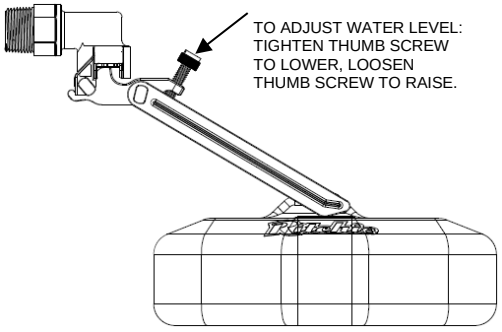
M. Fenwal Thermostat – The adjustable range is from 0 deg F (-18 deg C) to 100 deg F (38 deg C). Thermostat is not preset at factory. Fill the trough to proper water level. Check the water temperature with a thermometer. The next morning, check the water temperature again. If the water is warmer than desired, turn the thermostat down. If there is ice forming on the surface of the water, turn the thermostat up. Only slight adjustments should be made to the thermostat at any time. A 1/16 turn on the thermostat will change the water temp. 7 deg F (4 deg C). 44 deg F (7 deg C) in the trough represents the most economical operation. Counterclockwise raises the thermostat setting.



N. Seal the Base - After the unit is completely installed, apply a bead of caulking around the base of the fountain to ensure no wind or water enters through the base of the unit.

NOTE: *Sealing the bottom of the unit from cold air is an important aspect of the unit's thermal performance.*

O. Drain Plug – Insert the drain plug firmly into the drain hole in the trough. The plug can be secured by tightening the wingnut at the center of the plug. An additional 3" casing plug is provided for under unit draining option. (Plug is required for CattleMaster 840.)



P. Float Adjustment - Turn on water supply, check for and correct any leaks. Adjust valve thumb screw to adjust water level. To lower the water level, manually adjust float with hand and then set thumb screw. The proper depth should be one-two inches below the overflow drain.

Q. Water Seal Drain – Install the small drain plug into the drain hole in the water seal groove around the valve chamber seal. This plug may be removed during the non-freezing periods to allow the water seal groove to drain.

R. Install Cover - Fill the water seal groove with liquid to seal against air infiltration before assembling. Drop in the valve chamber cover. Note: Serial number or date code is found on underneath side of top red valve cover.

Tip*: You may use vegetable oil to fill the water seal groove or coat the inside of the groove with baking pan coating spray before filling with water to make the cover easier to remove and reinstall during freezing weather. For areas with high evaporation, using vegetable oil may be necessary.*

S. Install Side Access Panel – Once all water line connections have been checked for leaks and electrical hook-up is complete, the side access door may be installed.

T. Children should be supervised to ensure that they do not play with the appliance – This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning use of the appliance by a person responsible for their safety.

U. Cleaning Your Fountain – To clean your watering fountain you will need a good stiff bristled brush. Remove the cover then brush the water seal groove to remove any build-up then brush the tank. Remove the plug that is located at the end of the trough to drain out the water and debris. You can shut off the water with the shut-off valve located under the unit or by holding the float in the up position. After the water and debris has drained reinstall the plug and let the tank refill. Now is a good time to readjust the float if needed. Reinstall cover and you are done.

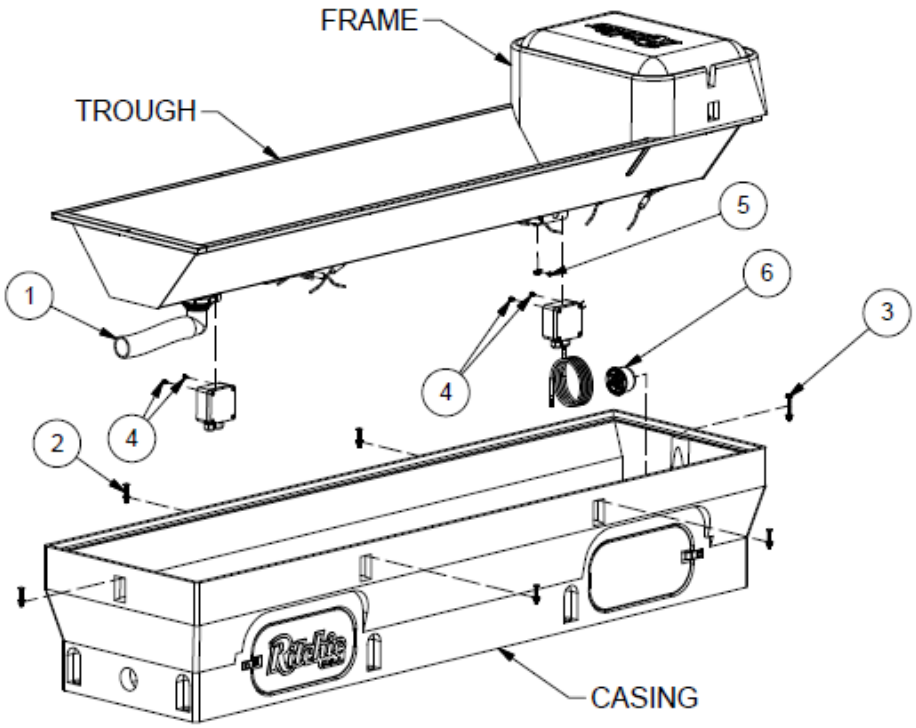
Ritchie Valves

The Ritchie CattleMaster family comes standard with our 3/4" yellow high-pressure valve that is rated up to 110 psi. If water pressure is very high and valve does not shut off consistently, a pressure-reducing valve may be needed.

Trouble Shooting

Problem	Solution
Water in Trough Too Warm	Adjust thermostat to lower temperature
	Check to see if thermostat has failed by contacts burning closed
Ice in Trough	Check fuses or circuit breakers
	Check all heating elements to make sure they are working and hot
	Adjust thermostat to higher temperature
	Check for voltage from thermostat output
	Check voltage to fountain with and without electrical load
	Check that heaters are wired properly
Valve Freezing	Check that cable heater is installed properly and fastened to water supply line and is working when heaters are hot
	Check for missing or damaged insulation
	Check for air gaps for wind penetrations
Supply line Freezing	Check that the cable heater is uncoiled and fastened around valve, to supply line and is working when heaters are hot
	Check that supply piping is centered in riser tube
	Check that riser tube is free of water and mud that may freeze
	Check that flexible hose does not touch side of casing or frame
	Check casing for air leaks
	Check for air gaps between casing and concrete floor
Valve won't stop dripping	Check float adjustment. Check for waterlogged float, or float rubbing on side of valve compartment
	Disassemble valve and check for sand or scale in valve rubber. Also check valve orifice outlet for wear and damage. A screen or filter may be required with sandy or scaly water
	Turn valve rubber over and re-assemble
	Check for excessive water system pressure
Low water flow	Check that valve inlet is not plugged or supply hose is not kinked
	Check system pressure from supply hose by installing a tee and a pressure gauge directly in front of the valve to check pressure drop when valve is open. A severe pressure drop indicates a restriction or undersized supply system.
	Check that shutoff valves are fully open

Instructions for CattleMaster 840 Right Side Frame



1. Remove the flexible drain hose (Item #1) from the drain elbow on the trough.
2. Remove the five carriage bolts (Items #2) holding trough to the casing.
3. Remove the end screw (Item #3) holding the frame to the casing.
4. Remove the trough assembly from the casing with the frame still attached. Flip the trough over for access to the electrical system.
5. Remove the two screws (Item #4) holding the junction boxes to the bracket and relocated the boxes on the opposite side of the brackets. This will allow access to electrical connections when the unit is installed.(Note: Wiring doesn't not need to be disconnected to perform this step.)
6. Remove the green screw (Item #5) holding the ground lug to the bracket and reattach on the opposite side of the bracket. Be sure to include the green wire under the screw.
7. Relocate the 3" Ritchie plug (Item #6) to the other end of the casing. Loosen wing nut to remove and tighten when reinserted.
8. Flip trough assembly, rotate 180 degrees and place in casing.
9. Insert end screw (Item #3) to attach frame to casing. Hand tighten nut on screw to allow alignment of other screw locations.
10. Insert five carriage bolts (Items #2) to attach trough to casing. Position all screws and start nuts to allow for movement prior to final tightening.
11. Secure all trough and frame screws. Do not overtighten.
12. Reattached the flexible drain hose (Item #1) to the drain elbow on the trough.

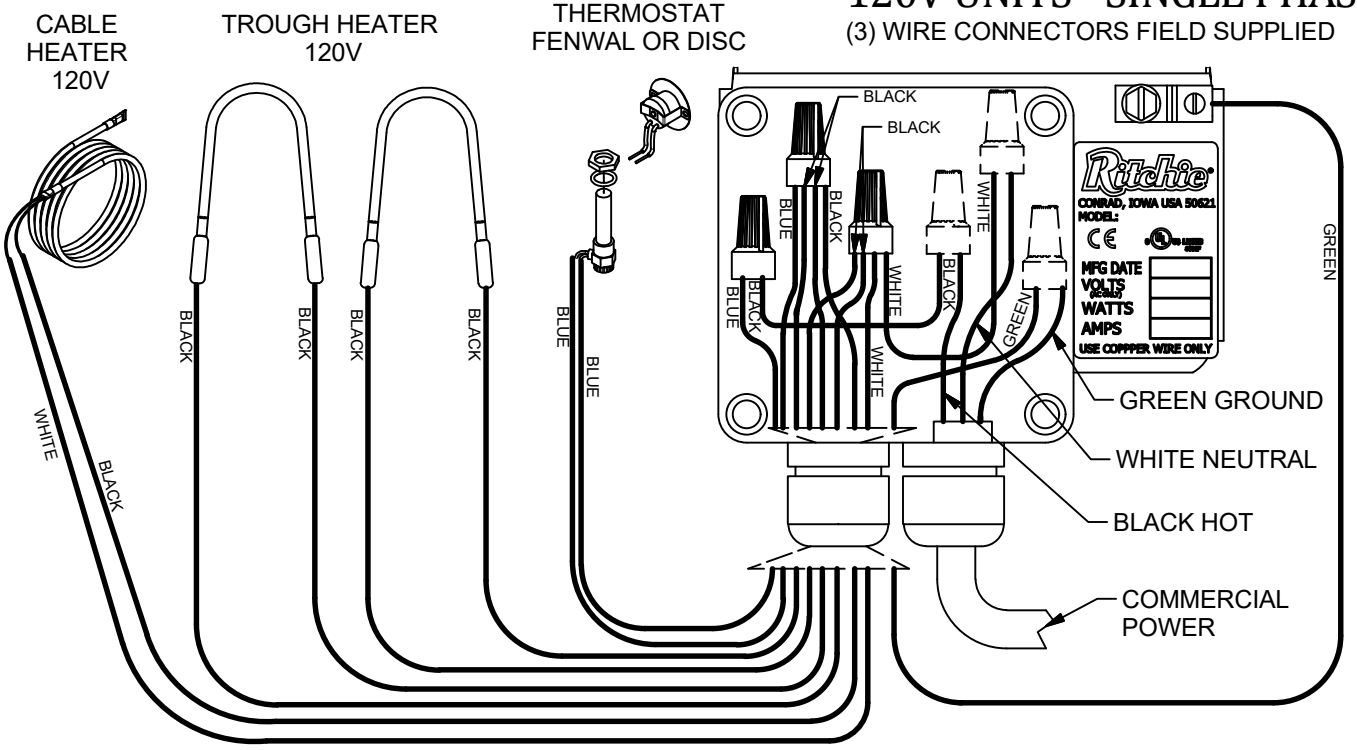
Refer to owner's manual for installing the unit.

24225.dwg
TDU - Sheet: 1 of 1

WIRING DIAGRAM FOR HEATED UNITS

120V UNITS - SINGLE PHASE

(3) WIRE CONNECTORS FIELD SUPPLIED

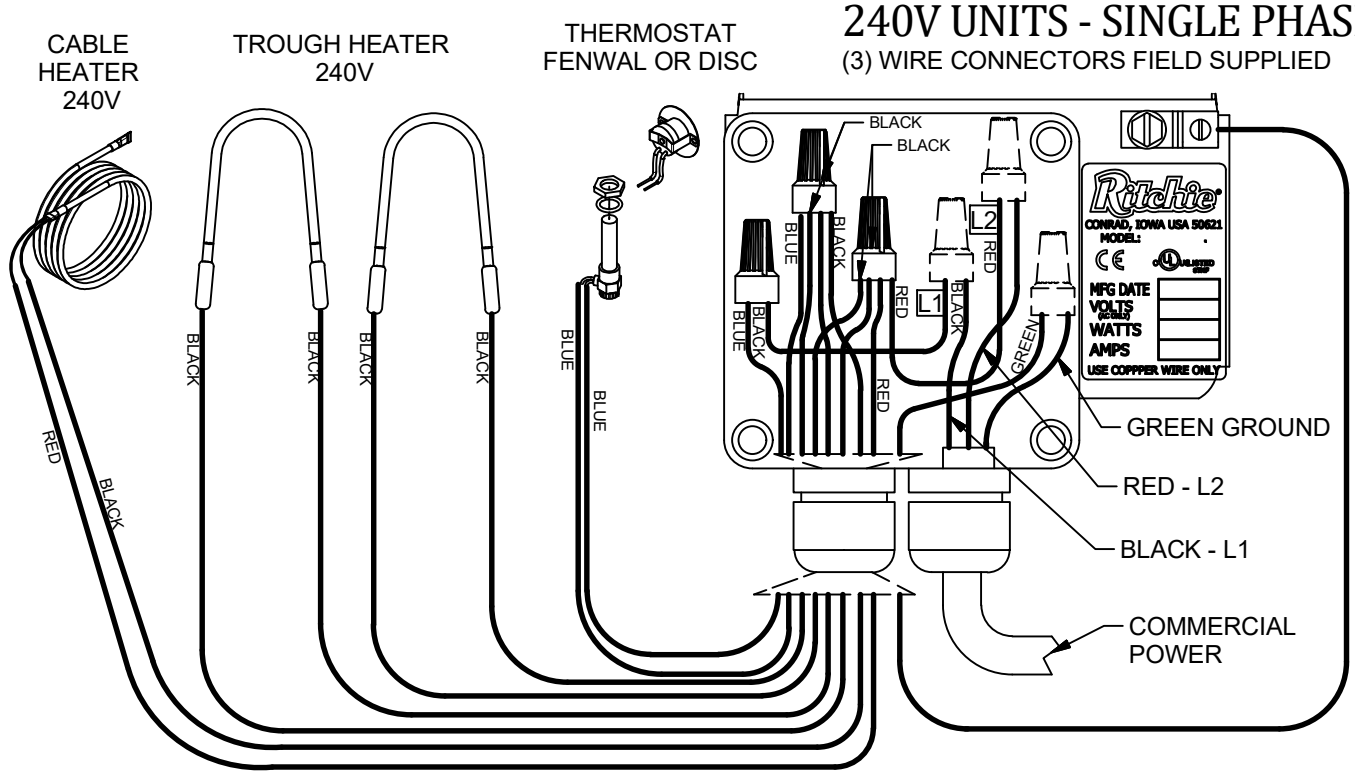


WARNING - CHECK NAMEPLATE FOR CORRECT VOLTAGE. ONLY CONNECT 120VAC TO 120V UNITS. WIRING DIAGRAM SHOWN WITH 2 HEATERS - QUANTITY MAY VARY

NOTE: Power cord may be supplied on select units to simplify installation. Use of a moisture resistant, exterior grade outlet is recommended in these units. Do not use extension cords.

240V UNITS - SINGLE PHASE

(3) WIRE CONNECTORS FIELD SUPPLIED

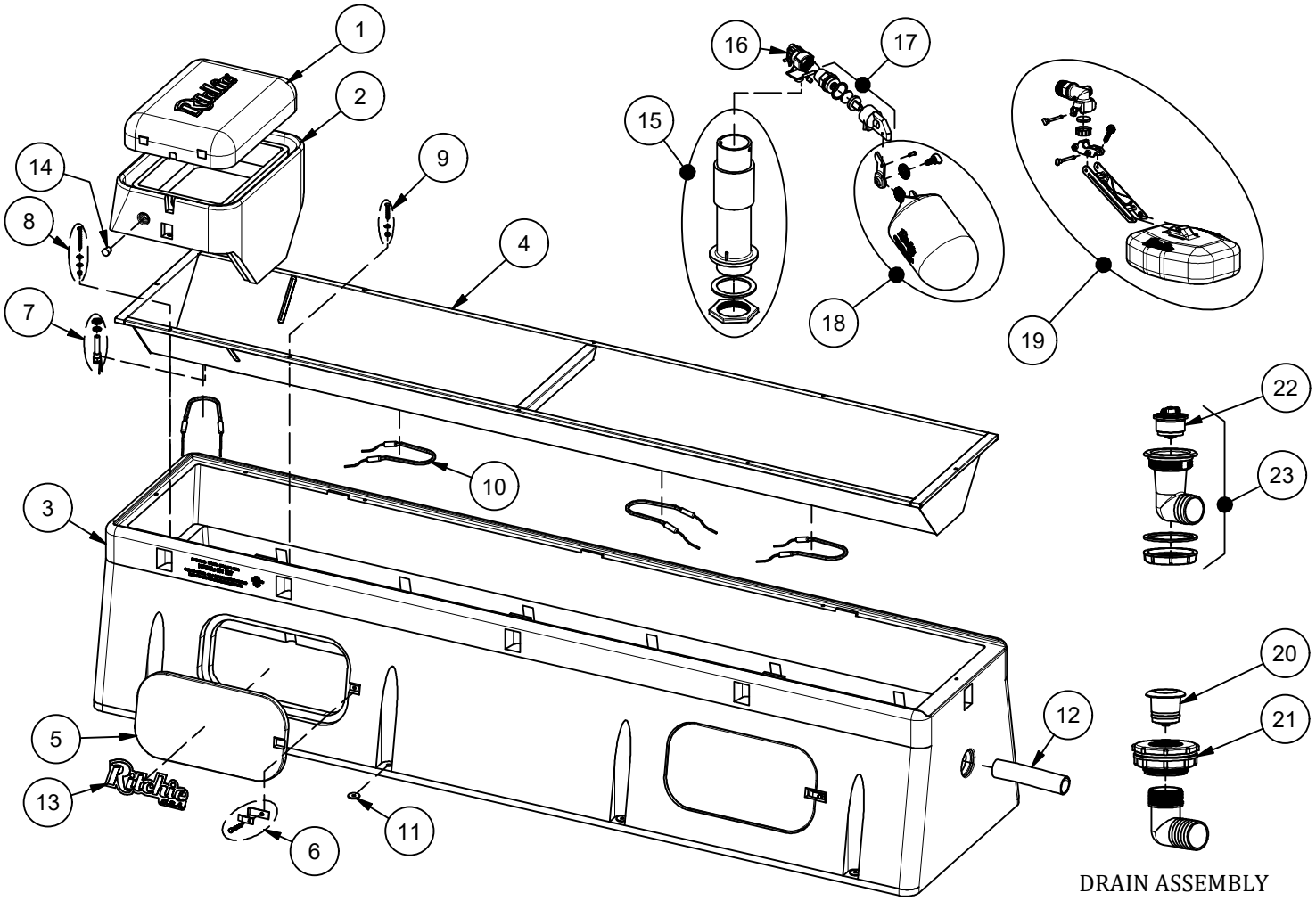


WARNING - CHECK NAMEPLATE FOR CORRECT VOLTAGE. ONLY CONNECT 230-240VAC TO 240V UNITS. WIRING DIAGRAM SHOWN WITH 2 HEATERS - QUANTITY MAY VARY

8/16/2021
Wiring-2021.dwg
TDU - Sheet: 1 of 1

CattleMaster 10T

Part # 18700

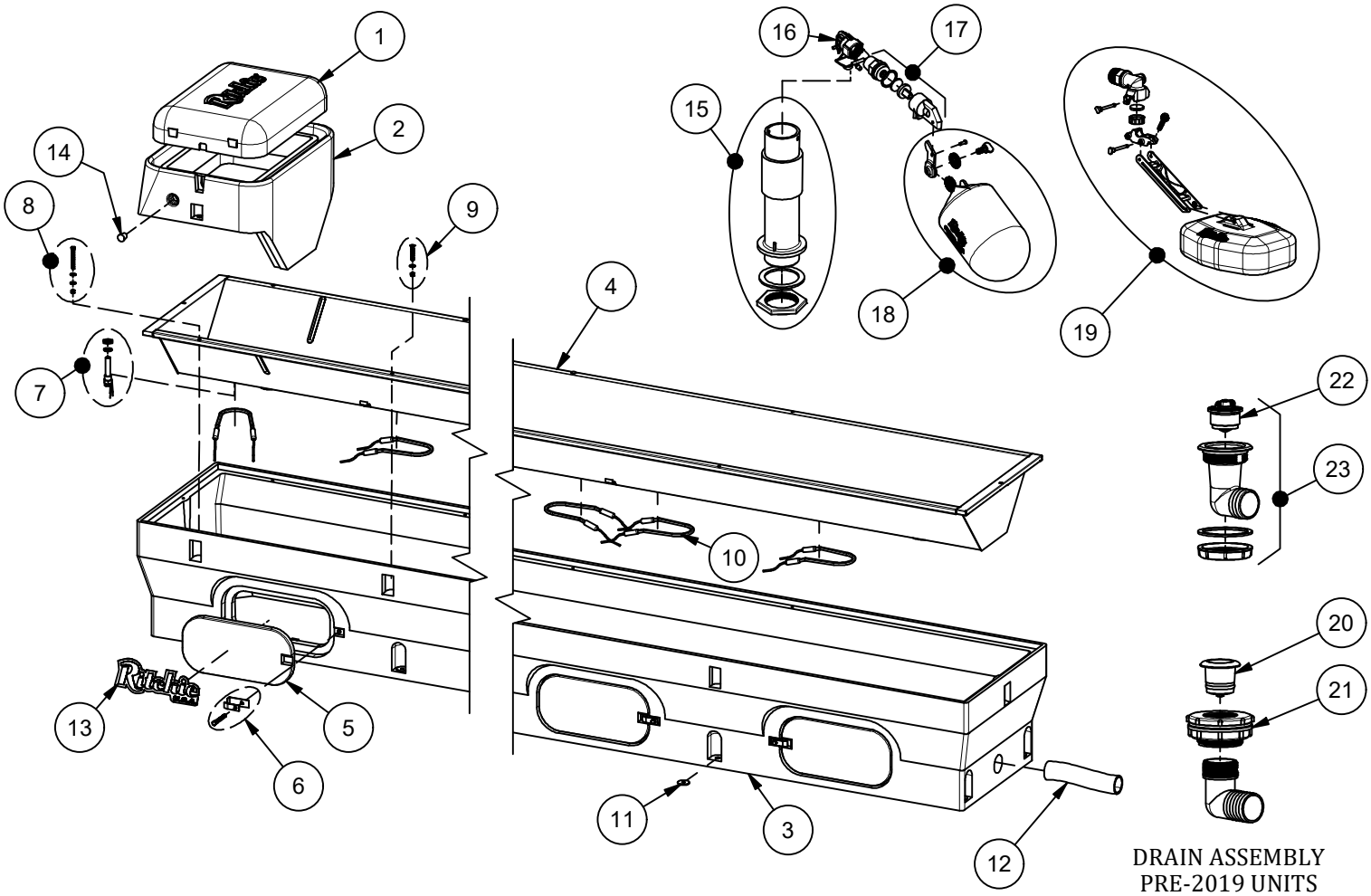


DRAIN ASSEMBLY
PRE-2019 UNITS

Item	Part #	Description	Qty	·	·	Item	Part #	Description	Qty
1	18428	CM Cover	1			15	18181	CM Standpipe pkg	1 pkg
2	18349	CM Frame pkg	1 pkg			16	11514	Valve Bracket 3/4" pkg	1 pkg
	18350	CM Cover & Frame pkg	1 pkg			17	15377	Green Male Valve 3/4" pkg	1 pkg
3	18698	CM 10T Casing	1			18	18314	Float with Hardware pkg	1 pkg
4	18697	CM 10T Trough	1 pkg			19	18832	HP 3/4" Valve Assembly	1 pkg
5	16562	Access Panel 10"x20"	2			20	18338	CM Drain Plug pkg	1 pkg
6	18147	Access Panel Hardware pkg	2 pkgs			21	17679	CM Bulkhead fitting 2"	1
7	16534	Fenwal Thermostat SS pkg	1 pkg			22	18849	Ritchie 2" Plug pkg	1 pkg
	18320	O-Ring Fenwal (6/pkg)	1 pkg			23	18852	CM Drain Assembly w/Plug	1 pkg
	18074	Nut Brass Fenwal (6/pkg)	1 pkg			NS	12583	Valve Supply Line w/Bracket	1 pkg
8	18266	Frame Bolt & Wshr SS(3/pkg)	1 pkg			NS	13830	Cable Htr 120V 48W (1/pkg)	1 pkg
9	18265	Trough Bolt & Nut SS (5/pkg)	1 pkg			NS	18898	CM Accessory pkg	1 pkg
10	11419	Heater 120V 250W (1/pkg)	4 pkgs			NS	14866	Seal Foam 10' Roll	2
11	18318	Bolt Down Washer (4/pkg)	2 pkgs						
12	17677	Drain Tube 10"	1				18701	CM 10T 240V	
13	18653	Ritchie Decal 12" (1/pkg)	1 pkg			NS	11403	Heater 240V 300W (1/pkg)	3 pkgs
14	18633	Plug #3 - Water Channel (2/pkg)	1 pkg			NS	16424	Cable Htr 240V 48W (1/pkg)	1 pkg

CattleMaster 1440

Part # 18252

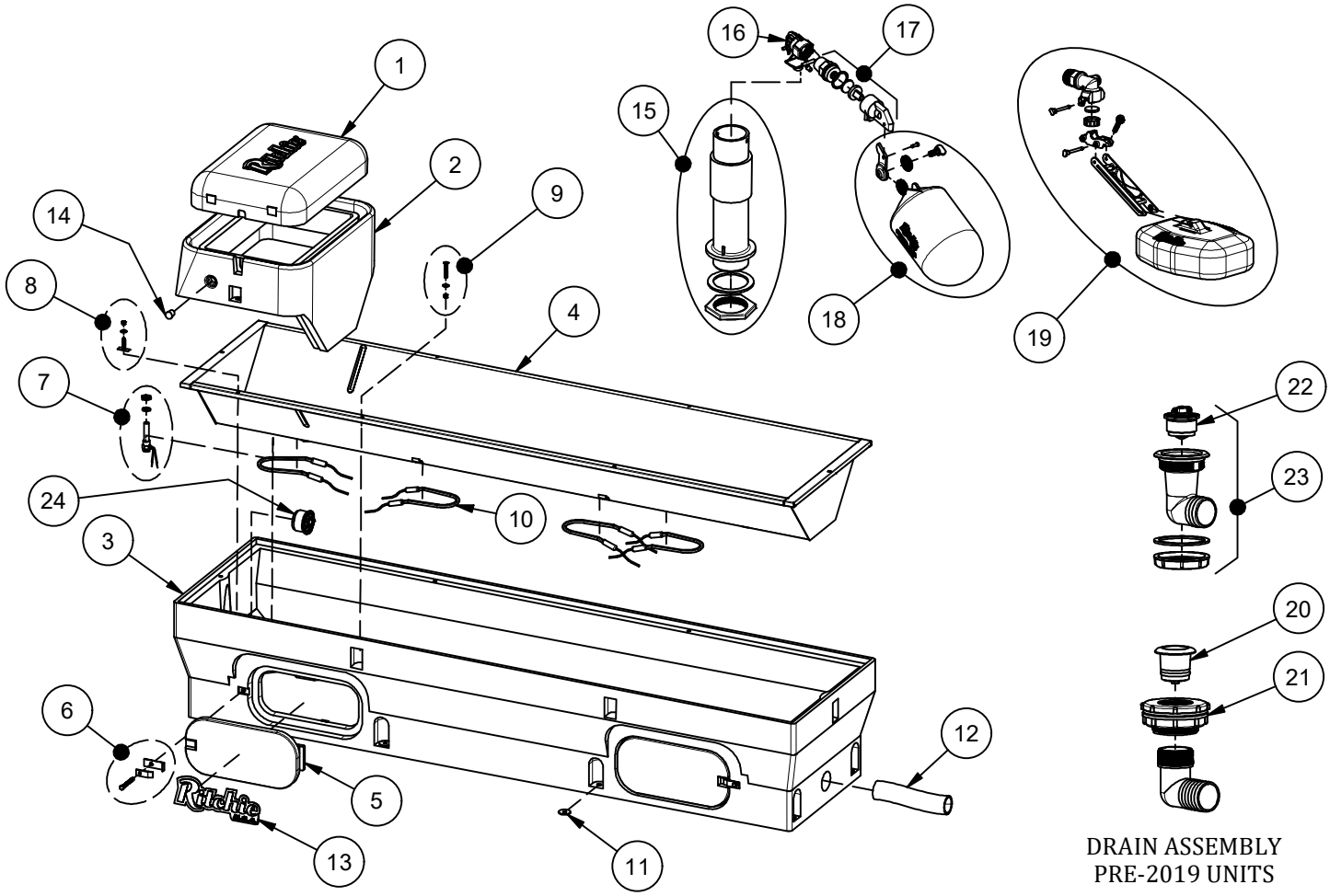


DRAIN ASSEMBLY
PRE-2019 UNITS

Item	Part #	Description	Qty	· ·	Item	Part #	Description	Qty
1	18428	CM Cover	1		15	18181	CM Standpipe pkg	1 pkg
2	18349	CM Frame pkg	1 pkg		16	11514	Valve Bracket 3/4" pkg	1 pkg
	18350	CM Cover & Frame pkg	1 pkg		17	15377	Green Male Valve 3/4" pkg	1 pkg
3	18659	CM 1440 Casing	1		18	18314	Float with Hardware pkg	1 pkg
4	16791	CM 1440 Trough pkg	1 pkg		19	18832	HP 3/4" Valve Assembly	1 pkg
5	16621	Access Panel 6"x14"	3		20	18338	CM Drain Plug pkg	1 pkg
6	18147	Access Panel Hardware pkg	3 pkgs		21	17679	CM Bulkhead fitting 2"	1
7	16534	Fenwal Thermostat SS pkg	1 pkg		22	18849	Ritchie 2" Plug pkg	1 pkg
	18320	O-Ring Fenwal (6/pkg)	1 pkg		23	18852	CM Drain Assembly w/Plug	1 pkg
	18074	Nut Brass Fenwal (6/pkg)	1 pkg		NS	12583	Valve Supply Line w/Bracket	1 pkg
8	18266	Frame Bolt & Wshr SS(3/pkg)	1 pkg		NS	13830	Cable Htr 120V 48W (1/pkg)	1 pkg
9	18265	Trough Bolt & Nut SS (5/pkg)	2 pkgs		NS	18898	CM Accessory pkg	1 pkg
10	11419	Heater 120V 250W (1/pkg)	5 pkgs		NS	14866	Seal Foam 10' Roll	3
11	18318	Bolt Down Washer (4/pkg)	3 pkgs					
12	17677	Drain Tube 10"	1			18255	CM 1440 240V	
13	18653	Ritchie Decal 12" (1/pkg)	1 pkg		NS	11403	Heater 240V 300W (1/pkg)	3 pkgs
14	18633	Plug #3 - Water Channel (2/pkg)	1 pkg		NS	16424	Cable Htr 240V 48W (1/pkg)	1 pkg

CattleMaster 840

Part # 18235



DRAIN ASSEMBLY
PRE-2019 UNITS

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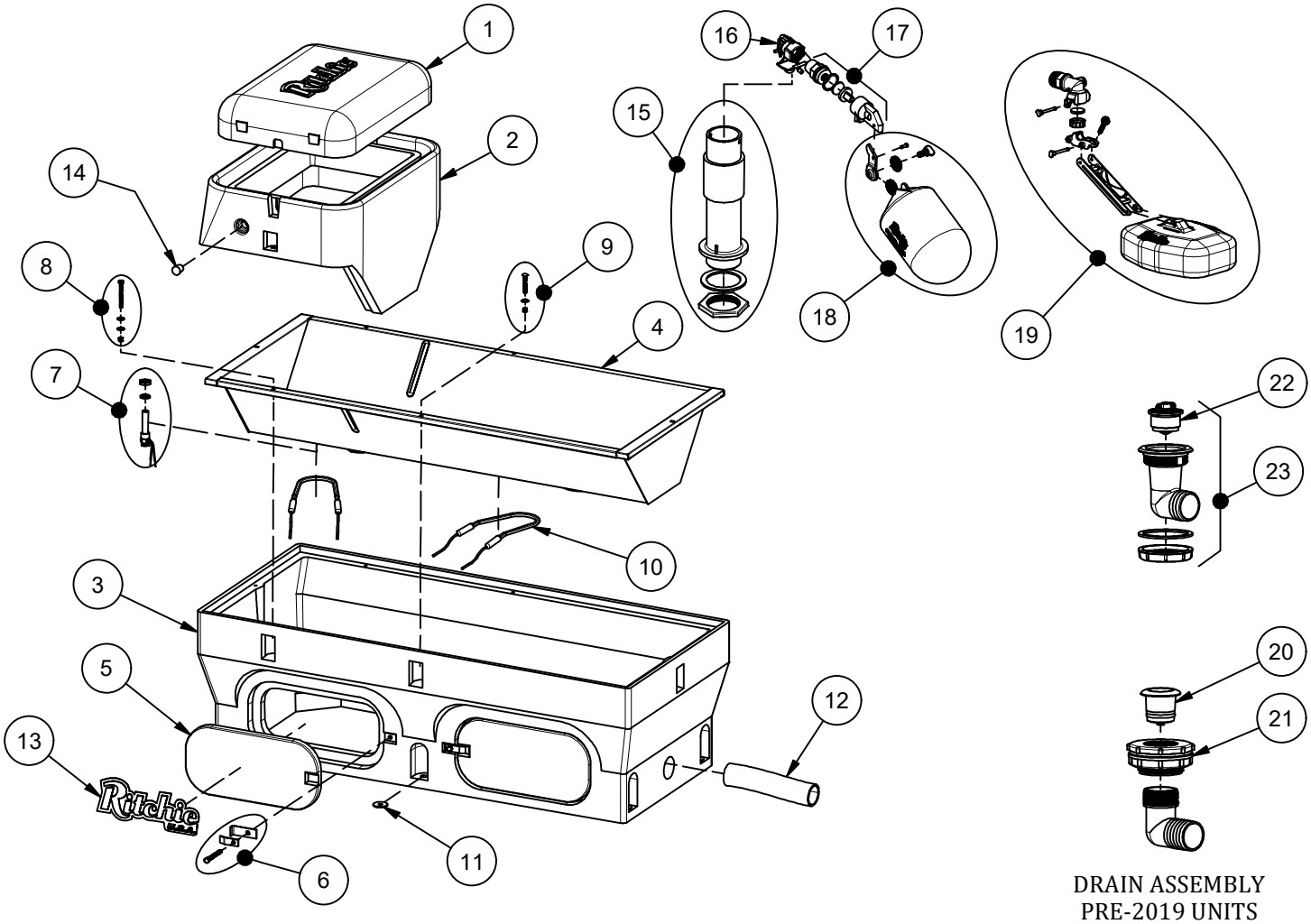
1	18428	CM Cover	1		15	18181	CM Standpipe pkg	1 pkg
2	18349	CM Frame pkg	1 pkg		16	11514	Valve Bracket 3/4" pkg	1 pkg
	18350	CM Cover & Frame pkg	1 pkg		17	15377	Green Male Valve 3/4" pkg	1 pkg
3	18240	CM 840 Casing	1		18	18314	Float with Hardware pkg	1 pkg
4	16786	CM 840 Trough pkg	1 pkg		19	18832	HP 3/4" Valve Assembly	1 pkg
5	16621	Access Panel 6"x14"	2		20	18338	CM Drain Plug pkg	1 pkg
6	18147	Access Panel Hardware pkg	2 pkgs		21	17679	CM Bulkhead fitting 2"	1
7	16534	Fenwal Thermostat SS pkg	1 pkg		22	18849	Ritchie 2" Plug pkg	1 pkg
	18320	O-Ring Fenwal (6/pkg)	1 pkg		23	18852	CM Drain Assembly w/Plug	1 pkg
	18074	Nut Brass Fenwal (6/pkg)	1 pkg		24	18470	Ritchie 3" Plug pkg	1
8	18266	Frame Bolt & Wshr SS(3/pkg)	1 pkg		NS	12583	Valve Supply Line w/Bracket	1 pkg
9	18265	Trough Bolt & Nut SS (5/pkg)	1 pkg		NS	13830	Cable Htr 120V 48W (1/pkg)	1 pkg
10	11419	Heater 120V 250W (1/pkg)	4 pkgs		NS	18898	CM Accessory pkg	1 pkg
11	18318	Bolt Down Washer (4/pkg)	2 pkgs		NS	14866	Seal Foam 10' Roll	2
12	17677	Drain Tube 10"	1			18243	CM 840 240V	
13	18653	Ritchie Decal 12" (1/pkg)	1 pkg		NS	11403	Heater 240V 300W (1/pkg)	3 pkgs
14	18633	Plug #3 - Water Channel (2/pkg)	1 pkg		NS	16424	Cable Htr 240V 48W (1/pkg)	1 pkg

CattleMaster 480

Part # 18248



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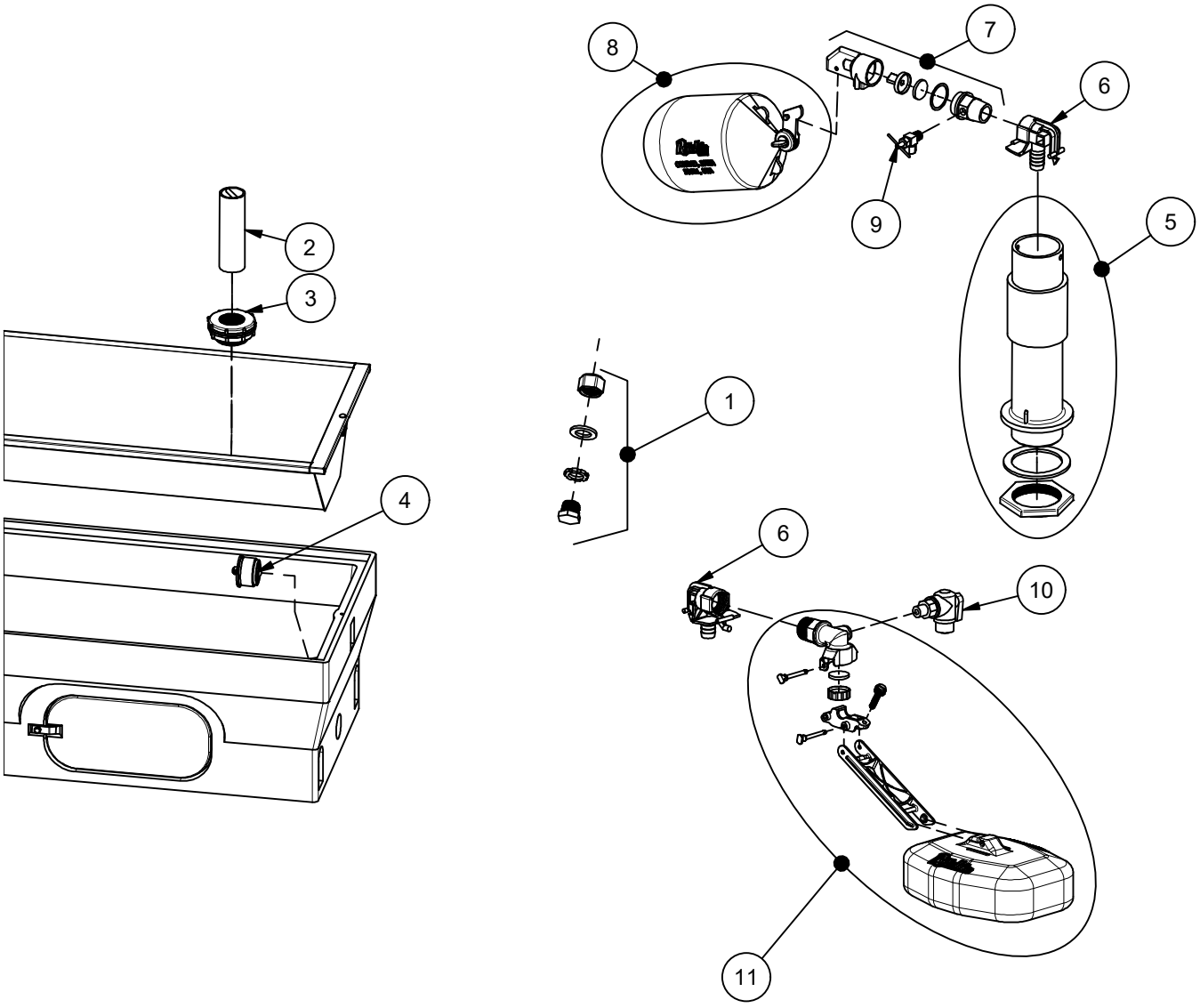
1	18428	CM Cover	1			15	18181	CM Standpipe pkg	1 pkg
2	18349	CM Frame pkg	1 pkg			16	11514	Valve Bracket 3/4" pkg	1 pkg
	18350	CM Cover & Frame pkg	1 pkg			17	15377	Green Male Valve 3/4" pkg	1 pkg
3	18250	CM 480 Casing	1			18	18314	Float with Hardware pkg	1 pkg
4	16780	CM 480 Trough pkg	1 pkg			19	18832	HP 3/4" Valve Assembly	1 pkg
5	16621	Access Panel 6"x14"	2			20	18338	CM Drain Plug pkg	1 pkg
6	18147	Access Panel Hardware pkg	2 pkgs			21	17679	CM Bulkhead fitting 2"	1
7	16534	Fenwal Thermostat SS pkg	1 pkg			22	18849	Ritchie 2" Plug pkg	1 pkg
	18320	O-Ring Fenwal (6/pkg)	1 pkg			23	18852	CM Drain Assembly w/Plug	1 pkg
	18074	Nut Brass Fenwal (6/pkg)	1 pkg			NS	12583	Valve Supply Line w/Bracket	1 pkg
8	18266	Frame Bolt & Wshr SS(3/pkg)	1 pkg			NS	13830	Cable Htr 120V 48W (1/pkg)	1 pkg
9	18265	Trough Bolt & Nut SS (5/pkg)	1 pkg			NS	18898	CM Accessory pkg	1 pkg
10	11419	Heater 120V 250W (1/pkg)	2 pkgs			NS	14866	Seal Foam 10' Roll	2
11	18318	Bolt Down Washer (4/pkg)	2 pkgs						
12	17677	Drain Tube 10"	1				18251	CM 480 240V	
13	18653	Ritchie Decal 12" (1/pkg)	1 pkg			NS	11403	Heater 240V 300W (1/pkg)	2 pkgs
14	18633	Plug #3 - Water Channel (2/pkg)	1 pkg			NS	16424	Cable Htr 240V 48W (1/pkg)	1 pkg

Constant Flow CattleMasters

480NH - 18784, 840NH - 18785, 10TNH - 18906, 1440NH - 18786

*Must Order CM CF Package #18905



Refer to heated unit sheets for additional repair parts.

Item	Part #	Description	Qty	·	·	Item	Part #	Description	Qty
1	18316	Fenwal Replacement Plug pkg	1 pkg			7	16891	Red Male Valve w/ Petcock pkg	1 pkg
2	12154	Constant Flow Overflow Pipe 2"	1			8	18314	Float with Hardware pkg	1 pkg
3	17679	CM Bulkhead fitting 2"	1			9	11793	Petcock Valve pkg	1 pkg
4	18470	Drain Plug Ritchie 3"	1 pkg			10	18839	HP Petcock Valve pkg	1 pkg
5	18181	CM Standpipe pkg	1 pkg			11	18832	HP Valve Assembly pkg	1 pkg
6	11514	Valve Bracket 3/4" pkg	1 pkg						

CM_CF-RPI.dwg
11/14/2023

RITCHIE INDUSTRIES, INC.
LIMITED WARRANTY

Ritchie Industries, Inc., hereinafter referred to as Ritchie Industries, gives a LIMITED WARRANTY for the period of time(s) stated herein, subject to certain limitations, on your new watering system against defects in material or workmanship when properly installed, set up, operated, and maintained in accordance with the instructions and recommendations set forth by Ritchie Industries, including in the Installation Instructions. **The warranty excludes labor and shipping charges.**

The warranty is transferable to the next purchaser of the watering system prior to expiration of the warranty period, but any such transfer will not extend the original warranty term. Proof of purchase must be submitted with any warranty claim, and all warranty claims shall be processed through an Authorized Ritchie Dealer or Distributor.

Ritchie Industries' liability for any defects in material or workmanship with respect to accepted goods shall be limited to repairing the goods or replacing them as Ritchie Industries shall elect. Parts used in warranty repairs will be warranted for the balance of the water system's warranty period, with all parts replaced under warranty becoming the property of Ritchie Industries.

The limited warranty periods begin upon delivery of the watering system to the original purchaser. Upon delivery of the goods, purchaser assumes all liability, including but not limited for all personal injury and property damage, resulting from the handling, possession, or use of the goods.

WARRANTY COVERAGE AND LIMITATIONS

Limitations of Warranties and Remedies

Ritchie Industries' watering systems are designed and manufactured to provide years of reliable use when installed and operated consistent with Ritchie Industries' instructions and recommendations. However, the potential for improper installation, modifications and misuse of the goods exists. Therefore, the limited warranty provided shall be as follows:

This limited warranty shall not apply to any appearance items and shall not apply to any product which has been subject to misuse, abuse, abnormal service or handling, negligence, or accident, nor to any product that is installed and/or used contrary to Ritchie Industries' installation instructions and instructions for use. The limited warranty shall also not apply to any product whose exterior has been damaged or otherwise defaced, that has been repaired, altered, or modified by anyone, other than Ritchie Industries, in a way so as in Ritchie Industries' judgment it adversely affects the product's operation, performance, durability, or intended use, nor to any product where removal of parts, modification(s) or use of parts or accessories not manufactured or approved by Ritchie Industries has caused damage.

Coverage and Warranty Periods

Unit Type	Coverage and Warranty Period
Poly Units	Base, top, and ball closures. Ten-year limited warranty: 100% for first five years, then declining 20% per year for remainder of the 10-year period.
Stainless Steel Units	Stainless trough and stainless valve chamber frame. Ten-year limited warranty, plus ten years of corrosion coverage, at 100% for entire 10-year period.
Component Parts	One-year limited warranty on all component parts, such as floats, valves, and heating elements.

Exclusions of Liability

EXCEPT AS OTHERWISE EXPRESSLY STATED HEREIN, RITCHIE INDUSTRIES MAKES NO OTHER WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESSED OR IMPLIED. **THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED FROM THIS LIMITED WARRANTY**. TO THE EXTENT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. **THIS LIMITED WARRANTY EXCLUDES INCIDENTAL, CONSEQUENTIAL, AND SPECIAL DAMAGES. THIS EXCLUSION OF CONSEQUENTIAL, INCIDENTAL, AND SPECIAL DAMAGES IS INDEPENDENT FROM AND SHALL SURVIVE ANY FINDING THAT THE EXCLUSIVE REMEDY FAILED OF ITS ESSENTIAL PURPOSE.** THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON UNDER THIS WARRANTY. SOME STATES/PROVINCES DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS, AND EXCLUSIONS IDENTIFIED ABOVE AND, AS A RESULT, THEY MAY NOT APPLY TO YOU.

No agent, employee or representative of Ritchie Industries, and no Ritchie Industries Dealer/Distributor, is authorized to bind Ritchie Industries to any representation or warranty regarding the goods except as specifically included in this limited warranty.

Part # 17873
December 1, 2023

Installation Instructions for

Ritchie®
Fresh Water For Life™

CattleMaster Series Fountains

Congratulations, you have just purchased the finest watering fountain on the market. This unit is built to give you excellent service when properly installed and maintained. Please follow instructions carefully. Read and understand all instructions before installing.

Ritchie Industries, Inc.
800-747-0222
www.ritchiefount.com

@RitchieWaterers