OPERATOR'S MANUAL

SPRAYMASTER® 25 GALLON HEATED COATINGS TANK

BUILT MARCO TOUGH
MARCO MANUFACTURED

⚠ WARNING Before using this equipment, read, understand and follow all instructions in the Operator's Manuals provided with this equipment. If the user and/or assistants cannot read or understand the warnings and instructions, the employer of the user and/or assistants must provide adequate and necessary training to ensure proper operation and compliance with all safety procedures pertaining to this equipment. If Operator's Manuals have been lost, please visit www.marco.us, or contact Marco at 563.324.2519 for replacements. Failure to comply with the above warning could result in death or serious injury.

Marco®

Company Profile

Since 1944, Marco has developed a strong tradition of providing innovative and reliable products and services to the surface preparation and protective coatings industries. We are the world's premier provider of Abrasives, Blasting, Coating, Dust Collectors, Engineered Systems, Rental, Safety, Service, Repair, & Modernization, and Vacuums.

Through innovative designs and a total commitment to quality, Marco manufactures products that increase production rates, create a safer workplace, and reduce maintenance costs. Marco's industry experience, manufacturing capabilities, legendary customer service, product availability, logistics services, and technology leadership is your assurance that we deliver high quality products and services, providing the best value to you, our customer.

The Marco Difference

- **Industry Experience** – With Marco on your team, you have access to expertise which can only come from decades of industry leadership. We have organized our engineering department, production specialists, customer operations, and safety support into a "Center of Competence." As a Marco customer, you have access to hundreds of years of cumulative experience related to your operations.
- **Manufacturing Excellence** – Marco is a U.S. based, ISO 9001:2008 certified manufacturer of equipment for the Surface Preparation and Protective Coatings industries. Marco's engineers benchmark the industry to ensure that we design and manufacture superior products that set the "Gold Standard" for performance, safety, and quality.
- **Legendary Customer Service** – Marco's legendary customer service team is staffed by friendly, highly-trained individuals who are focused on providing the highest level of product support, order accuracy, and customer satisfaction.
- **Product Availability** – We stock over 10,000 SKU's and have more than 45 shipping locations to serve North American and International markets for all major brands of blasting and coating equipment. As the largest provider of surface preparation and protective coatings equipment in the world, our inventory levels and product availability are unmatched.
- **Logistics Services** – Marco's in-house logistics team is dedicated to moving your shipment anywhere in the world. We move more than 14,000 truckloads every year, allowing you to save on freight costs by leveraging our buying power. Lower your process costs with a single invoice, which includes product and freight.
- **Technology Leadership** – Our website provides: Operator's Manuals, Part Numbers and Schematics Guides, SDS information, and Features & Specifications Guides, providing access to information 24/7. Our Extranet application allows you to receive quotes and place orders online. Our Intranet maintains a complete record of your purchase history to assist with ongoing support of your existing equipment and future purchasing decisions.

Vision Statement

Marco is the world's premier provider of Abrasives, Blasting, Coating, Dust Collectors, Engineered Systems, Rental, Safety, Service, Repair, & Modernization, and Vacuums.

Mission Statement

Marco provides strong leadership and innovation to the surface preparation and protective coatings industries. We dedicate our efforts to the continuous improvement of our products, services, processes, people, and most importantly, the quality of our customer's experience.

Quality Statement

Marco is committed to providing superior quality in the design, manufacturing, distribution, rental, service, and repair of our products. Our ISO 9001:2008 certification extends throughout all operations in all locations. Continuous improvement of our processes and supply chain Integration comprise the core of our business strategy for delivering exceptional quality and value in all Marco products and services.

Management Philosophy

We are a company dedicated to the success of every customer and associate. We discuss, debate, challenge, measure, and test our ideas. We will be boundless and limitless in our passion to improve. Through sound leadership and dedicated associates, we will ensure a long term, profitable future for Marco, our associates, customers, and suppliers.

DEFINITION OF TERMS

⚠ DANGER

This is an example of danger. This indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

This is an example of a warning. This indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

This is an example of a caution. This indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It can also be used to alert against unsafe practices.

NOTICE

This is an example of a notice. This indicates policy or practice directly related to safety of personnel or protection of property.

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HAZARD IDENTIFICATIONS

⚠ WARNING

Failure to comply with ANY WARNING listed below could result in death or serious injury.

- OSHA sets exposure limits to protect workers from exposure to respirable crystalline silica, 29 CFR 1910.1053. Airborne dust could increase the exposure levels beyond permissible limits. Breathing dust containing silica could cause silicosis, a fatal lung disease. Breathing dust during abrasive blasting operations, post-blast cleaning operations, and/or servicing equipment within the abrasive blasting area may expose an individual to conditions that could cause asbestosis, lead poisoning and/or other serious or fatal diseases. Harmful dust containing toxic material from abrasives or surfaces being abrasive blasted can remain suspended in the air for long periods of time after abrasive blasting has ceased. A NIOSH-approved, well-maintained, respirator designed for the specific operation being performed must be used by anyone abrasive blasting, handling or using the abrasive, and anyone in the area of the dust.
- Contact NIOSH and OSHA offices to determine the proper respirator for your specific application. The air supplied to the respirator must be at least Grade D quality as described in Compressed Gas Association Commodity Specification G-7.1 and as specified by OSHA Regulation 1910.134. Ensure air filter and respirator system hoses are not connected to non-air sources or in-plant lines that may contain nitrogen, oxygen, acetylene or other non-breathable gases. Before removing respirator, use an air monitoring instrument to determine if the atmosphere is safe to breathe.
- You must comply with all OSHA, local, City, State, Province, Country and jurisdiction regulations, ordinances and standards, related to your particular work area and environment. Keep unprotected individuals out of the work area.
- Abrasive blasting operators must receive thorough training on the use of abrasive resistant attire which includes: supplied-air respirator, abrasive blasting suit, safety shoes, gloves, ear protection and eye protection. Protect the operator and bystanders by complying with NIOSH and OSHA Safety Standards.
- Inspect all equipment for wear or damage before and after each use. Failure to use Original Equipment Manufacturer repair parts and failure to immediately replace worn or damaged components could void warranties and cause malfunctions.
- OSHA requires abrasive blasting nozzles be equipped with an operating valve, which shall be designed to be held open only by continuous hand pressure and shall close immediately upon release of hand pressure (i.e., a “deadman” control). The valve shall not be modified in any manner that would allow it to remain open without the application of continuous hand pressure by the operator. Failure to comply with the above warning could result in release of high speed abrasive and compressed air resulting in death or serious injury. OSHA 29CFR 1910.244(b)
- Point the abrasive blasting nozzle only at the surface being abrasive blasted. Never point the abrasive blasting nozzle or abrasive stream at yourself or others.
- Unless otherwise specified, maximum working pressure of abrasive blasting pots and related components must not exceed 150 psi. Exceeding maximum working pressure of 150 psi could cause the abrasive blasting pot and components to burst. Failure to comply with the above warning could result in death or serious injury.
- Never weld, grind or drill on the abrasive blasting pot (or any pressure vessel). Doing so will void ASME certification and manufacturer’s warranty. Welding, grinding or drilling on the abrasive blasting pot (or any pressure vessel) could weaken the vessel causing it to burst. Failure to comply with the above warning could result in death or serious injury. (ASME Pressure Vessel Code, Section VIII, Division 1)
- This equipment is not intended for use in any area that might be considered a hazardous location, as described in the National Electric Code NFPA 70, Article 500. Use of this equipment in a hazardous location could cause an explosion or electrocution.
- Never attempt to move an abrasive blasting pot containing abrasive. Never attempt to manually move abrasive blasting pots greater than 6.5 cubic foot capacity. Always use at least two capable people to manually move an abrasive blasting pot on flat, smooth surfaces. A mechanical lifting device must be used if an abrasive blasting pot is moved in any other manner.

HAZARD IDENTIFICATIONS

⚠ WARNING

Failure to comply with ANY WARNING listed below could result in death or serious injury.

- This product is not for use in wet environments. Always use a Ground Fault Interrupter Circuit (GFIC) for all electrical power source connections. Use of this product in wet environments could create a shock or electrocution hazard.
- Frozen moisture could cause restrictions and obstructions in pneumatic control lines. Any restriction or obstruction in the pneumatic control lines could prevent the proper activation and deactivation of the remote control system, resulting in the release of high speed abrasive and compressed air. In conditions where moisture may freeze in the control lines an antifreeze injection system approved for this application can be installed.
- Do not cut, obstruct, restrict or pinch pneumatic control lines. Doing so could prevent the proper activation and deactivation of the remote control system, resulting in the release of high speed abrasive and compressed air.
- Use of Marco remote control switches with other manufacturer's remote control systems could cause unintended activation of remote control systems resulting in the release of high speed abrasive and compressed air. Only Marco remote control switches should be used with Marco remote control systems.
- Always be certain to have secure footing when abrasive blasting. There is a recoil hazard when abrasive blasting starts that may cause user to fall and misdirect the abrasive stream at operator or bystander.
- Never use an abrasive blasting pot or attachments as a climbing device. The person could slip and fall. The abrasive blasting pot could become unstable and tip over.
- For equipment manufactured by entities other than Marco, you must consult the Original Equipment Manufacturer operator's manuals, information, training, instructions and warnings, for the proper and intended use of all equipment.
- Flammable fumes, such as solvent and paint fumes in the work area can present an ignition or explosion hazard if allowed to collect in adequate concentrations. To reduce conditions that could result in a fire or an explosion, provide adequate ventilation, eliminate all ignition or spark sources, keep the work area free of debris, store solvents and solvent contaminated rags in approved containers, follow proper grounding procedures, do not plug/unplug power cord or turn on/off power switches when flammable fumes are present, keep a working fire extinguisher or provide another fire suppression system in the work area. Cease all operations and correct condition if a spark or ignition source is identified during operation.
- Always depressurize the entire system, disconnect all power sources and lockout/tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.
- Moving parts can present an area where crushing, pinching, entanglement or amputation may occur. Do not place body parts or foreign objects in any area where there are moving parts.
- Surfaces of heated supply tanks, drums and/or lines as well as the adjoining plumbing may become hot during normal use. Do not touch these heated surfaces without proper protection. Deactivate and allow sufficient time for all surfaces to cool before attempting any maintenance.
- High-pressure fluid from gun, hose leaks, or ruptured components can pierce skin and can cause a serious injury that may result in amputation. Do not point gun or spray tip at anyone or at any part of the body. Keep clear of any leaks or ruptures. Depressurize the entire system before attempting cleaning, inspecting, or servicing equipment.
- Exposure to toxic fluids or fumes may occur during the normal operation of this system. Before attempting to fill, use, or service this system, read SDS's to know the specific hazards of the fluids you are using. Always use proper Personal Protective Equipment when attempting to fill, use, or service this system.
- The use of this product for any purpose other than originally intended or altered from its original design is prohibited.
- Never hang objects from the abrasive blasting pot handle. Doing so may cause the abrasive blasting pot to become unstable and tip over.

HAZARD IDENTIFICATIONS

⚠ CAUTION

Failure to comply with ANY CAUTION listed below may result in minor or moderate injury.

- Static electricity can be generated by abrasive moving through the abrasive blasting hose causing a shock hazard. Prior to use, ground the abrasive blasting pot and abrasive blasting nozzle to dissipate static electricity.
- High decibel noise levels are generated during the abrasive blasting process which may cause loss of hearing. Ensure appropriate Personal Protective Equipment and hearing protection is in use.

NOTICE

Failure to comply with ANY NOTICE listed below could pose a hazard to personnel or property.

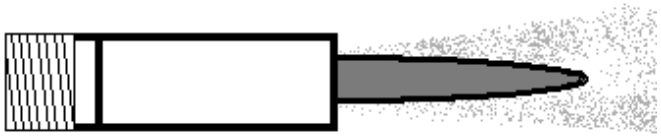
- See Air & Abrasive Consumption Chart for estimated abrasive consumption rates and required air flow (cubic feet per minute). Your system must meet these minimum requirements to ensure proper function and performance.
- Always use abrasive that is dry and properly screened. This will reduce the potential for obstructions to enter the remote control system, abrasive metering valve and abrasive blasting nozzle.
- Moisture build-up occurs when air is compressed. Any moisture within the abrasive blasting system will cause abrasive to clump, clogging metering valves, hoses and nozzles. Install an appropriately sized moisture separator at the inlet of the abrasive blasting system. Leave the moisture separator petcock slightly open to allow for constant release of water. If insufficient volume of air exists and petcock is unable to be left open (at all times) petcock should be opened frequently to release water.
- To reduce abrasive intrusion in the air supply hose, depressurize the abrasive blasting pot before shutting off air supply from compressor.
- Inspect abrasive blasting nozzle before placing into service. Damage to abrasive blasting nozzle liner or jacket may occur during shipping. If you receive a damaged abrasive blasting nozzle, contact your distributor immediately for replacement. Abrasive blasting nozzles placed into service may not be returned. Abrasive blasting nozzle liners are made of fragile materials and can be damaged by rough handling and striking against hard surfaces. Never use a damaged abrasive blasting nozzle.
- Abrasive blasting at optimal pressure for the abrasive used is critical to productivity. Example: For an abrasive with an optimal abrasive blasting pressure of 100 psi at the abrasive blasting nozzle, one pound per square inch of pressure loss will reduce abrasive blasting efficiency by 1.5%. A 10 psi reduction in air pressure will cause a 15% loss of efficiency. Use a Needle Pressure Gauge to identify pressure drops in your system. Consult with your abrasive supplier for the requirements of your abrasive.
- Replace abrasive blasting nozzle if liner or jacket is cracked or damaged. Replace abrasive blasting nozzle if original orifice size has worn 1/16” or more. Determine abrasive blasting nozzle wear by inserting a drill bit 1/16” larger than original size of abrasive blasting nozzle orifice. If the drill bit passes through abrasive blasting nozzle, replacement is needed.

AIR & ABRASIVE CONSUMPTION CHART

NOTICE

Failure to comply with ANY NOTICE listed below could pose a hazard to personnel or property.

- See Air & Abrasive Consumption Chart for estimated abrasive consumption rates and required air flow (cubic feet per minute). Your system must meet these minimum requirements to ensure proper function and performance.
- When it comes to air & abrasive mixtures, more is not necessarily better. Optimum abrasive blasting efficiency takes place when a lean air & abrasive mixture is used. To correctly set the abrasive metering valve, begin with the valve fully closed and slowly increase the amount of abrasive entering the airstream. As you increase the abrasive flow, watch for a "blue flame" at the exit of the abrasive blasting nozzle. Faster cutting, reduced abrasive consumption and lower clean up costs, are benefits of the "blue flame".
- Abrasive blasting at optimal pressure for the abrasive used is critical to productivity. Example: For an abrasive with an optimal abrasive blasting pressure of 100 psi at the abrasive blasting nozzle, one pound per square inch of pressure loss will reduce abrasive blasting efficiency by 1.5%. A 10 psi reduction in air pressure will cause a 15% loss of efficiency. Use a Needle Pressure Gauge to identify pressure drops in your system. Consult with your abrasive supplier for the requirements of your abrasive.



"Blue Flame"

NOTICE

Inspect abrasive blasting nozzle before placing into service. Damage to abrasive blasting nozzle liner or jacket may occur during shipping. If you receive a damaged abrasive blasting nozzle, contact your distributor immediately for replacement. Abrasive blasting nozzles placed into service may not be returned. Abrasive blasting nozzle liners are made of fragile materials and can be damaged by rough handling and striking against hard surfaces. Never use a damaged abrasive blasting nozzle.

NOTICE

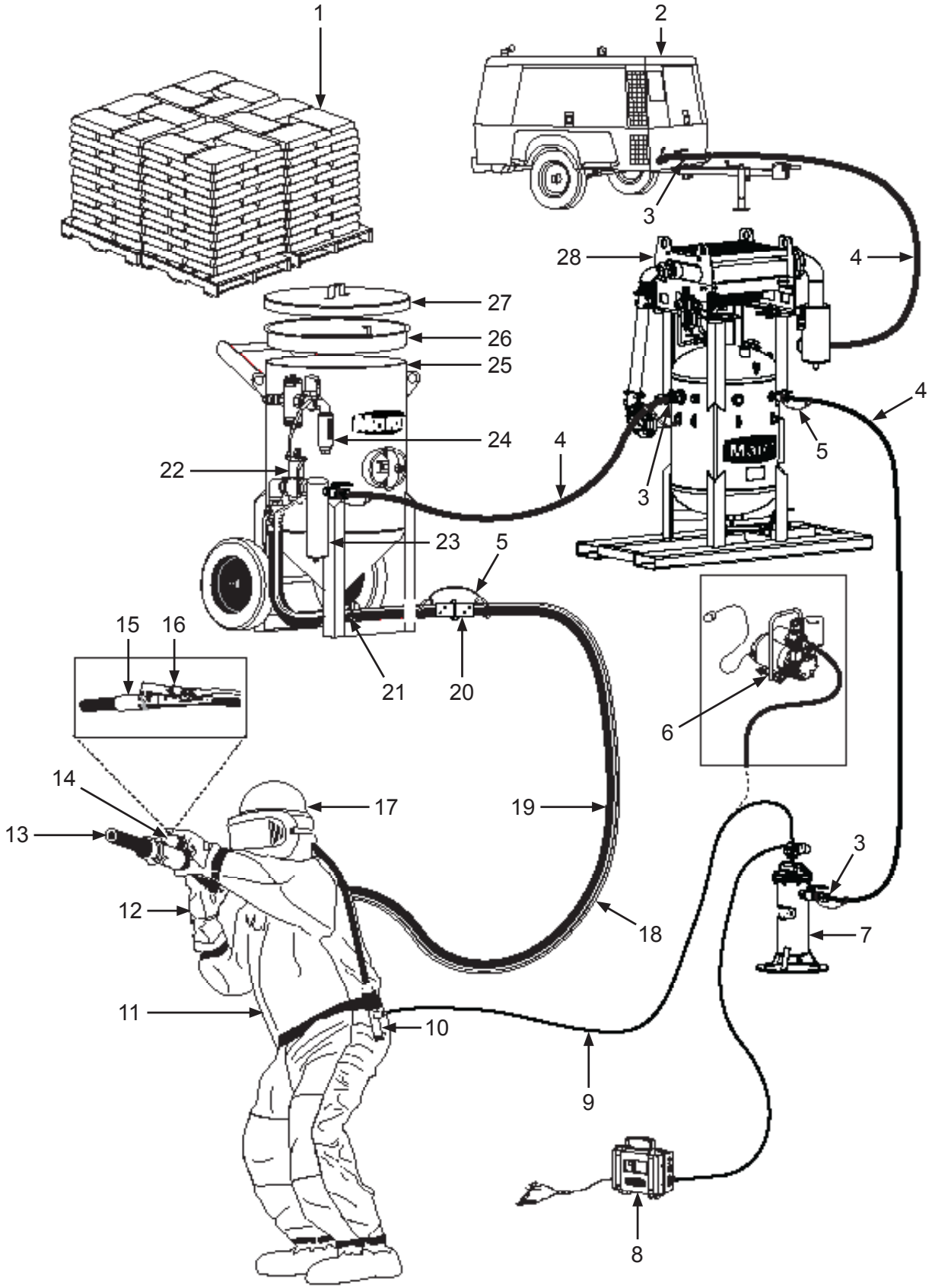
Replace abrasive blasting nozzle if liner or jacket is cracked or damaged. Replace abrasive blasting nozzle if original orifice size has worn 1/16" or more. Determine abrasive blasting nozzle wear by inserting a drill bit 1/16" larger than original size of abrasive blasting nozzle orifice. If the drill bit passes through abrasive blasting nozzle, replacement is needed.

Air & Abrasive Consumption Chart*

Nozzle Orifice	Pressure at the Nozzle (PSI)								Air (in cfm), Abrasive & Compressor Requirements
	50	60	70	80	90	100	125	140	
No. 2 (1/8")	11 67 2.5	13 77 3	15 88 3.5	17 101 4	18 112 4.5	20 123 5	25 152 5.5	28 170 6.2	Air (cfm) Abrasive (lbs/hr) Compressor Horsepower
No. 3 (3/16")	26 150 6	30 171 7	33 196 8	38 216 9	41 238 10	45 264 10	55 319 12	62 357 13	Air (cfm) Abrasive (lbs/hr) Compressor Horsepower
No. 4 (1/4")	47 268 11	54 312 12	61 354 14	68 408 16	74 448 17	81 494 18	98 608 22	110 681 25	Air (cfm) Abrasive (lbs/hr) Compressor Horsepower
No. 5 (5/16")	77 468 18	89 534 20	101 604 23	113 672 26	126 740 28	137 812 31	168 982 37	188 1100 41	Air (cfm) Abrasive (lbs/hr) Compressor Horsepower
No. 6 (3/8")	108 668 24	126 764 28	143 864 32	161 960 36	173 1052 39	196 1152 44	237 1393 52	265 1560 58	Air (cfm) Abrasive (lbs/hr) Compressor Horsepower
No. 7 (7/16")	147 896 33	170 1032 38	194 1176 44	217 1312 49	240 1448 54	254 1584 57	314 1931 69	352 2163 77	Air (cfm) Abrasive (lbs/hr) Compressor Horsepower
No. 8 (1/2")	195 1160 44	224 1336 50	252 1512 56	280 1680 63	309 1856 69	338 2024 75	409 2459 90	458 2754 101	Air (cfm) Abrasive (lbs/hr) Compressor Horsepower
No. 10 (5/8")	308 1875 68.5	356 2140 79.5	404 2422 90	452 2690 100.5	504 2973 112	548 3250 122	663 3932 146	742 4405 165	Air (cfm) Abrasive (lbs/hr) Compressor Horsepower
No. 12 (3/4")	432 2672 96	504 3056 112	572 3456 127	644 3840 143	692 4208 154	784 4608 174.5	948 5570 209	1062 6238 236	Air (cfm) Abrasive (lbs/hr) Compressor Horsepower

*Abrasive consumption is based on abrasive with a bulk density of 100 lbs per Cubic Foot

“THE BIG PICTURE”



DAILY PRE-OPERATION CHECKLIST

Daily Pre-operation Checklist

- ☐ 1. Abrasive
- ☐ 2. Air Compressor
- ☐ 3. Air Hose Couplings & Gaskets
- ☐ 4. Air Hose
- ☐ 5. Safety Cable
- ☐ 6. Ambient Air Pump*
- ☐ 7. Breathing Air Filter
- ☐ 8. CO Monitor
- ☐ 9. Breathing Line
- ☐ 10. Climate Control Device
- ☐ 11. Abrasive Blasting Suit
- ☐ 12. Gloves
- ☐ 13. Abrasive Blasting Nozzle
- ☐ 14. Lighting System*
- ☐ 15. Abrasive Blasting Nozzle Holder
- ☐ 16. Remote Control Switch
- ☐ 17. Supplied-Air Respirator
- ☐ 18. Control Line
- ☐ 19. Abrasive Blasting Hose
- ☐ 20. Abrasive Blasting Hose Couplings & Gaskets
- ☐ 21. Abrasive Metering Valve
- ☐ 22. Remote Control System
- ☐ 23. Moisture Separator
- ☐ 24. Abrasive Blasting Pot Exhaust Muffler
- ☐ 25. Abrasive Blasting Pot
- ☐ 26. Abrasive Blasting Pot Screen
- ☐ 27. Abrasive Blasting Pot Lid
- ☐ 28. Aftercooler*

** Optional or alternative device. Ask your Marco Representative for more details.*

Abrasive – Select the correct Abrasive (1) for the application. Review the SDS *(Safety Data Sheet)* to ensure the correct PPE *(Personal Protective Equipment)* and Environmental Controls have been selected and are in place.

Air Compressor – Select an Air Compressor (2) of adequate size to support all equipment requirements. Refer to “Air & Abrasive Consumption Chart” for Abrasive Blasting Nozzle (13) air consumption requirements. Before connecting Air Hose (4), sample the air being produced by the air compressor (2) to ensure it is free of petroleum contaminants.

Air Hose, and Air Hose Couplings & Gaskets – Select Air Hoses (4) of sufficient size to support all subsequent volumetric requirements and with a sufficient PSI *(pound per square inch)* rating. Inspect all Air Hoses (4), and Air Hose Couplings & Gaskets (3) for damage or wear. Repair or replace damaged or worn components.

Abrasive Blasting Hose, Abrasive Blasting Hose Couplings & Gaskets, and Abrasive Blasting Nozzle Holder – Select an Abrasive Blasting Hose (19) that has an inner diameter 3 to 4 times larger than your Abrasive Blasting Nozzle (13). Inspect Abrasive Blasting Hose (19), Abrasive Blasting Hose Couplings & Gaskets (20), and Abrasive Blasting Nozzle Holder (15) for damage or wear. Repair or replace damaged or worn components.

Safety Cables – Install a Safety Cable (5) at each Abrasive Blasting Hose (19), and Air Hose (4) connection points.

Aftercooler and Moisture Separator – Ensure Aftercooler (28) is positioned on stable ground. Keep petcock drain of Moisture Separator (23) slightly open during use. Drain both devices after each use.

Supplied-Air Respirator, Breathing Line, Breathing Air Filter, Climate Control Device, CO Monitor, Ambient Air Pump – You MUST consult the Operator’s Manual supplied with your Respiratory Equipment (6, 7, 8, 9, 10, 17) for ALL applicable instructions and warnings. Inspect all Respiratory Equipment components for damage or wear. Repair or replace damaged or worn components.

Abrasive Blasting Suit and Gloves – Select an abrasive-resistant Abrasive Blasting Suit (11) that is slightly oversized to allow ease of movement and allows air to flow around your body. Select abrasive-resistant Gloves (12) with a tight fit and a long cuff that overlaps the sleeve of the Abrasive Blasting Suit (11).

Abrasive Metering Valve and Abrasive Blasting Pot – Confirm Abrasive Blasting Pot (25) is positioned on stable ground. Inspect Abrasive Blasting Pot (25) and Abrasive Metering Valve (21) for damage or wear. Repair or replace damaged or worn components.

Abrasive Blasting Pot Screen and Abrasive Blasting Pot Lid – Always use an Abrasive Blasting Pot Screen (26) when filling Abrasive Blasting Pot (25) with Abrasive (1) to prevent debris from entering the Abrasive Blasting Pot (25). Remove Abrasive Blasting Pot Lid (27) before operating the Abrasive Blasting Pot (25). Install Abrasive Blasting Pot Lid (27) after use to protect the Abrasive Blasting Pot’s (25) interior.

Remote Control System, Remote Control Switch, Control Line, – Inspect Remote Control System (22) and Control Line (18) for damage or wear. Repair or replace damaged or worn components. Ensure Control Line (18) fittings connected to the Remote Control System (22) are tight and free of leaks. Ensure Remote Control Switch (16) is functioning properly. Consult Remote Control Switch Operator's Manual for applicable instructions.

Abrasive Blasting Pot Exhaust Muffler – Inspect Abrasive Blasting Pot Exhaust Muffler (24) at start and end of daily use. Replace element of Abrasive Blasting Pot Exhaust Muffler (24) per Operator's Manual instructions.

Lighting System – Ensure the Lighting System (14) is connected to a proper power supply before use.

OPERATING INSTRUCTIONS

⚠ WARNING

W-594

Read, understand, and follow the Original Equipment Manufacturer operator's manuals, information, training, instructions, and warnings, for the proper and intended use of all equipment. Failure to comply with the above warning could result in death or serious injury.

⚠ WARNING

W-505

Inspect all equipment for wear or damage before and after each use. Failure to use Original Equipment Manufacturer repair parts and failure to immediately replace worn or damaged components could void warranties and cause malfunctions. Failure to comply with the above warning could result in death or serious injury.

⚠ WARNING

W-556

All electrical connections are to be made by a qualified electrician in accordance with all applicable codes, ordinances and good practices. Failure to comply with the above warning could result in death or serious injury.

⚠ WARNING

W-520

The use of this product for any purpose other than originally intended or altered from its original design is prohibited. Failure to comply with the above warning could result in death or serious injury.

Description

Heated coating tanks can be used as a stand-alone tank or as an integrated part of a plural component spray system. The Spraymaster® 25 Gallon Heated Coatings Tank is a vessel used to hold, heat, and blend a coating material. An electric immersion heater maintains a consistent temperature of a liquid solution that transfers heat to the coating material in the tank. This transfer of heat reduces the viscosity of the material allowing for improved blending by a pneumatically driven agitator. The round tank design allows for even mixing and heating of the coating. Typical applications include bridges, pipelines, railcars, storage tanks, and water towers.

Operational Requirements

- 240-Volts AC/20 amp or 480-Volts AC/20 amp as required.
- 120 CFM @ 50-150 psi filtered and regulated compressed air.

The following may cause safety hazards or reduced performance:

- Hose connections and piping connections are not tight and free of leaks.
- Insufficient compressed air supply pressure and/or volume (120 cfm min, and 50-150 psi.
- Improper electric voltage and/or amperage (240-Volts AC/20 amp or 480-Volts AC/20 amp).

Initial Setup

- Have a qualified electrician connect to power supply
- Connect filtered and regulated compressed air supply to Agitator Assembly (3).
- Refer to existing equipment Manufacturer's Operator's Manuals for guidance when connecting to Spraymaster® 25 Gallon Heated Coatings Tank.

Operating Instructions

Operating Instructions are limited to the instructions found in the Original Equipment Manufacturer's Operator's Manuals. Please refer to all literature included with your Spraymaster® 25 Gallon Heated Coatings Tank at time of delivery. If this literature is unavailable, please contact your Marco representative for a replacement set before use.

Before use:

- Inspect entire system for fluid leaks, air leaks or damage. Repair or replace damaged components.
  - Transfer Pump (1)
  - Wye Strainer (2)
  - Agitator Assembly (3)
  - Needle Valve (4)
  - Coatings Tank (5)
  - Thermometer (6)
  - Tank Heater (7)
  - Ball Valve (8)
- Inspect Antifreeze level (see Fill Antifreeze).
- Ensure sufficient compressed air supply volume and pressure (120 CFM @ 50-150 PSI).

OPERATING INSTRUCTIONS

⚠ WARNING

W-561

Flammable fumes, such as solvent and paint fumes in the work area can present an ignition or explosion hazard if allowed to collect in adequate concentrations. To reduce conditions that could result in a fire or an explosion, provide adequate ventilation, eliminate all ignition or spark sources, keep the work area free of debris, store solvents and solvent contaminated rags in approved containers, follow proper grounding procedures, do not plug/unplug power cord or turn on/off power switches when flammable fumes are present, keep a working fire extinguisher or provide another fire suppression system in the work area. Cease all operations and correct condition if a spark or ignition source is identified during operation. Failure to comply with the above warning could result in death or serious injury.

⚠ WARNING

W-566

Exposure to toxic fluids or fumes may occur during the normal operation of this system. Before attempting to fill, use, or service this system, read SDS's to know the specific hazards of the fluids you are using. Always use proper Personal Protective Equipment when attempting to fill, use, or service this system. Failure to comply with the above warning could result in death or serious injury.

Start Up:

- Add coating to tank.
- Adjust Heater (7) to recommended temperature. See original equipment manufacturer's Operator's Manual and coating specification data sheet.
- Adjust agitator speed using Needle Valve (4).
- Once coating is at proper temperature and viscosity, supply compressed air to Transfer Pump (1). See transfer pump Operator's Manual.
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During use:

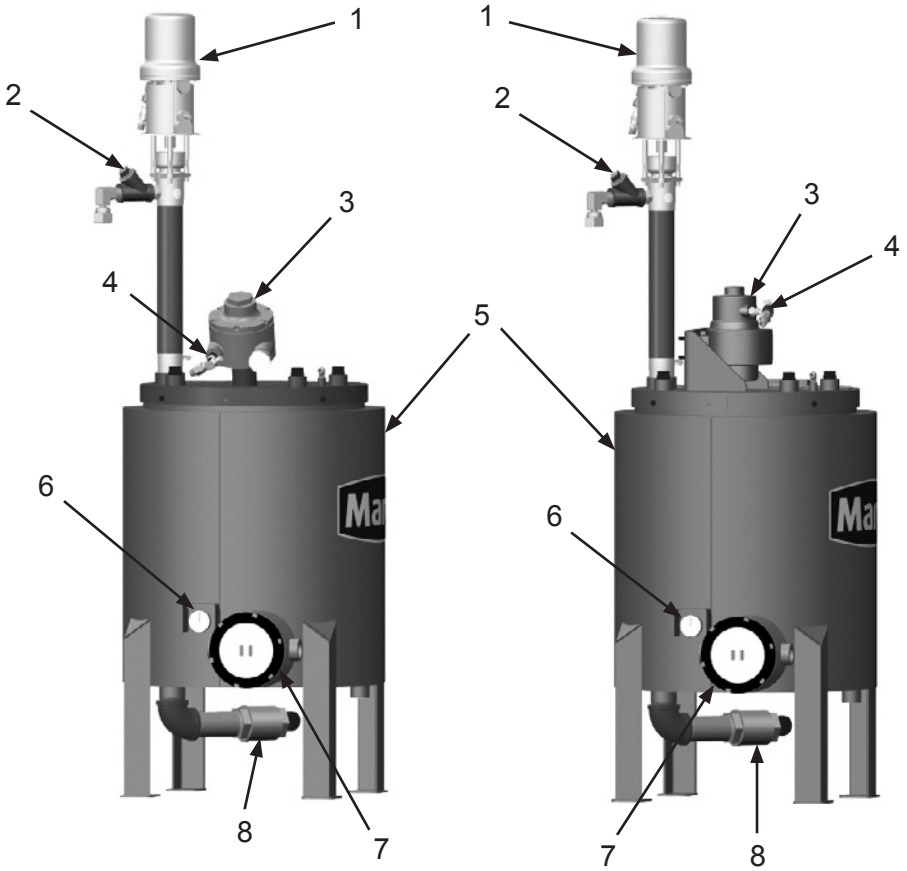
- Monitor fluid temperature at Tank Thermometer (6). See specifications for product being stored in coating tank.
- Monitor air pressure to pump.
- Adjust needle valve (4) as needed.

Shut down:

- Shut off air to transfer pump. See transfer pump Operator's Manual.
- Close Needle Valve (4) to stop agitator.
- Turn Heater (7) off.

After use:

- Remove and clean Wye Strainer (2). See Remove and Install Wye Strainer.
- Clean inside of Coatings Tank (5). See Clean Inside of Coating Tank.



Low Viscosity (Standard) **High Viscosity**

MAINTENANCE

Remove and Install Transfer Pump

⚠ WARNING

W-562

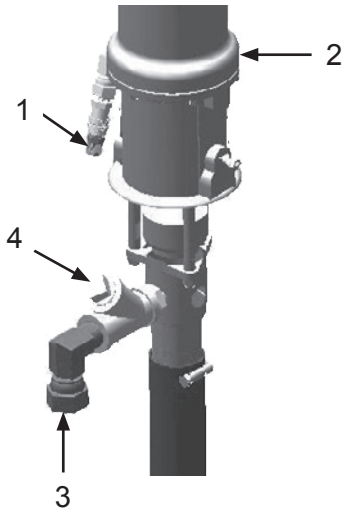
Always depressurize the entire system, disconnect all power sources and lockout/ tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.

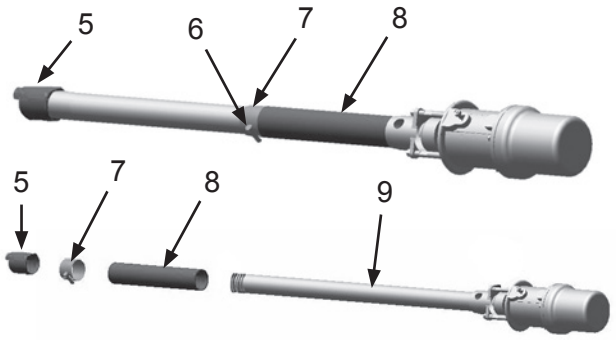
⚠ WARNING

W-566

Exposure to toxic fluids or fumes may occur during the normal operation of this system. Before attempting to fill, use, or service this system, read SDS's to know the specific hazards of the fluids you are using. Always use proper Personal Protective Equipment when attempting to fill, use, or service this system. Failure to comply with the above warning could result in death or serious injury.

1) Shut down air supply to the entire system.
2) Disconnect air hose from fitting (1).
3) Disconnect fluid hose from fitting (3).
4) Remove Pump Assembly (2) by rotating entire assembly counter-clockwise.
5) Remove Wye Strainer (4). See Remove and Install Wye Strainer.
6) Remove foot valve (5).
7) Loosen Bolt (6) and remove Adapter (7) from pump shaft.
8) Remove Tank Pump Spacer (8) from Pump Shaft (9).
9) Install parts in reverse order.

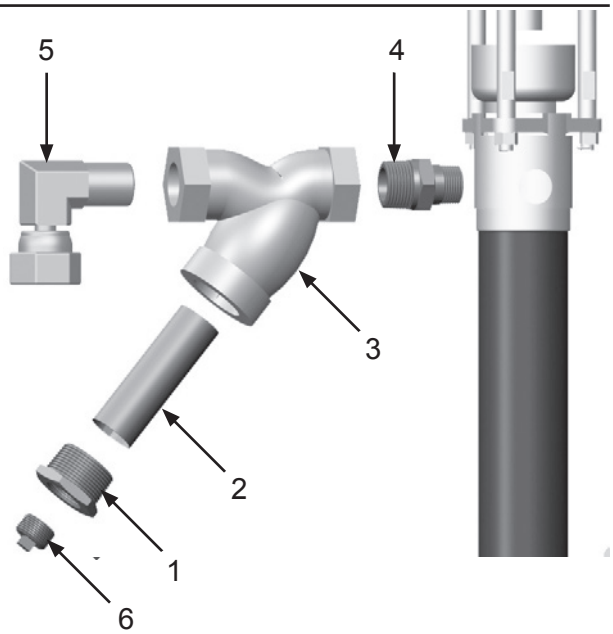




Remove and Install Wye Strainer

Note: When cleaning, always clean using a compatible solvent.

1) Shut down air supply to the entire system.
2) Remove Plugs (1,6).
3) Clean or replace Strainer Screen (2) as needed.
4) Disconnect hose from Swivel Elbow (5).
5) Remove Swivel Elbow (5).
6) Remove Wye Strainer (3) from Hex Nipple (4).
7) Install parts in reverse order.



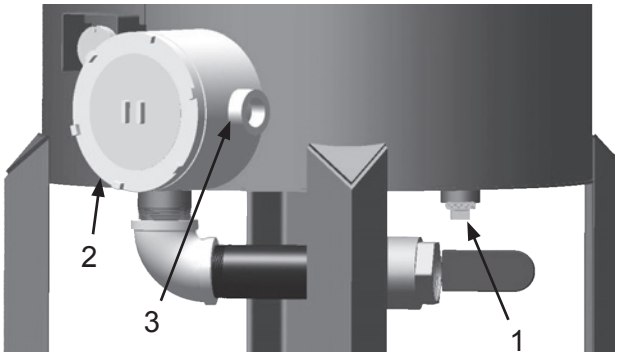
Remove and Install Tank Heater

⚠ WARNING

W-562

Always depressurize the entire system, disconnect all power sources and lockout/tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.

1) Depressurize the entire system and disconnect all power sources.
2) Remove Square Head Plug (1) and drain antifreeze. Dispose of antifreeze properly.
3) Remove Heater Cover (2) and disconnect wires.
4) Remove conduit and wiring from Heater Body (3).



⚠ WARNING

W-556

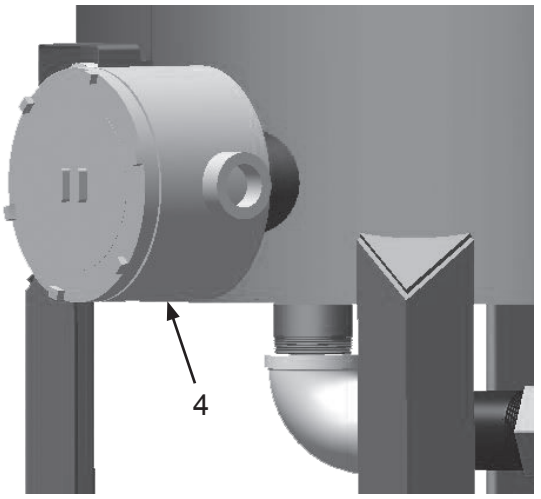
All electrical connections are to be made by a qualified electrician in accordance with all applicable codes, ordinances and good practices. Failure to comply with the above warning could result in death or serious injury.

⚠ WARNING

W-566

Exposure to toxic fluids or fumes may occur during the normal operation of this system. Before attempting to fill, use, or service this system, read SDS's to know the specific hazards of the fluids you are using. Always use proper Personal Protective Equipment when attempting to fill, use, or service this system. Failure to comply with the above warning could result in death or serious injury.

5) Remove Immersion Heater (4) by rotating counter-clockwise.
6) Install parts in reverse order using the following special instructions:
   - Apply PTFE Sealing Tape on threads of Immersion Heater (4).
   - See original equipment manufacturer's Operator's Manual for wiring scheme associated with heater.
   - Ensure heater cover is secure.
7) Fill antifreeze. (See Fill Antifreeze.)



NOTICE

N-531

Drain tanks into container suitable for collecting fluids. Comply with all OSHA, local, City, State, Province, Country and jurisdiction regulations, ordinances and standards, related to your particular work area and environment.

MAINTENANCE

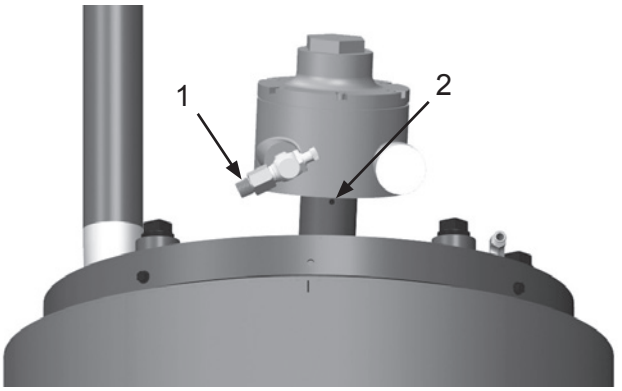
Remove and Install Standard Agitator Assembly

⚠ WARNING

W-562

Always depressurize the entire system, disconnect all power sources and lockout/ tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.

1) Shut down air supply to the entire system.
2) Remove material from tank.
3) Disconnect hose from Fitting (1).
4) Loosen three Set Screws (2).

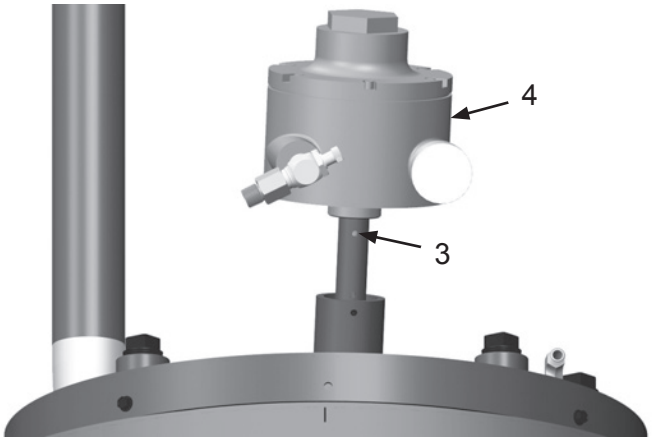


⚠ WARNING

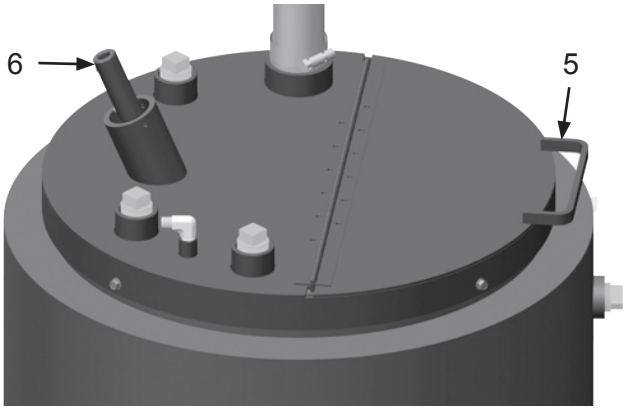
W-586

Moving parts can present an area where crushing, pinching, entanglement or amputation may occur. Do not place body parts or foreign objects in any area where there are moving parts.

5) Lift and support Agitator Assembly.
6) Loosen Set Screw (3).
7) Remove Air Motor (4). Inspect, repair or replace as needed.



8) Open Tank Lid (5).
9) Remove Mixer Blade Assembly (6). Inspect, repair or replace as needed.
10) Install parts in reverse order.



MAINTENANCE

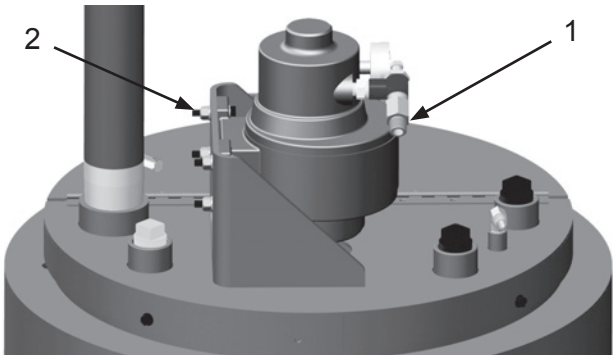
Remove and Install High Viscosity Liquid Agitator Assembly

⚠ WARNING

W-562

Always depressurize the entire system, disconnect all power sources and lockout/ tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.

1) Shut down air supply to the entire system.
2) Remove material from tank.
3) Disconnect hose from Fitting (1).
4) Remove four Bolts, Washers and Nuts (2).

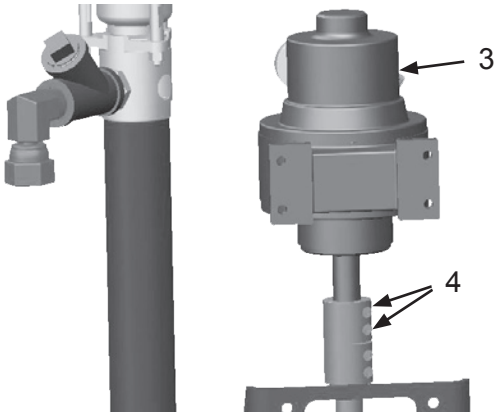


⚠ WARNING

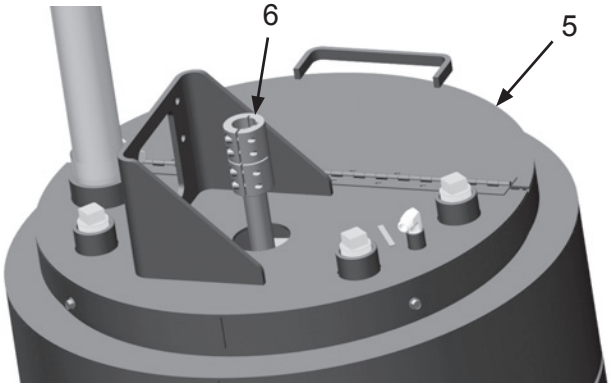
W-563

Moving parts can present an area where crushing, pinching, entanglement or amputation may occur. Do not place body parts or foreign objects in any area where there are moving parts. Failure to comply with the above warning could result in death or serious injury.

5) Lift and secure Agitator Assembly.
6) Loosen top two Bolts (4).
7) Remove Air Motor (3). Inspect, repair or replace as needed.



8) Open Tank Lid (5).
9) Remove Mixer Blade Assembly (6). Inspect, repair or replace as needed.
10) Install parts in reverse order.



Remove and Install Standard Tank Lid

⚠ WARNING

W-562

Always depressurize the entire system, disconnect all power sources and lockout/ tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.

⚠ WARNING

W-586

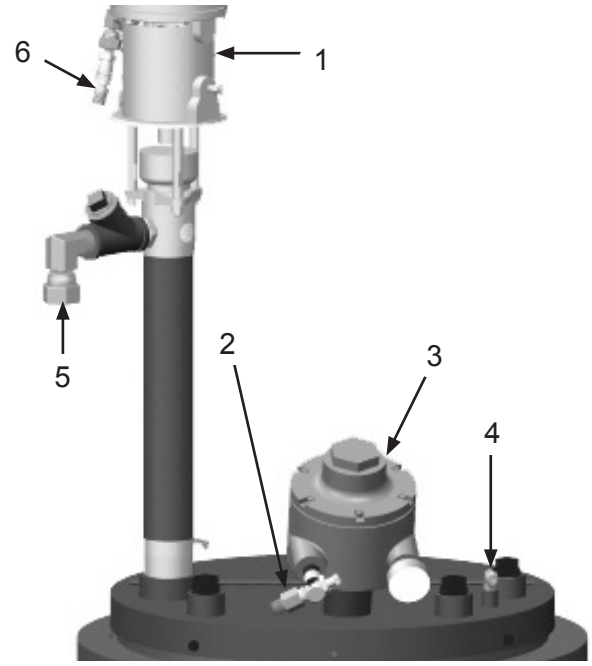
Moving parts can present an area where crushing, pinching, entanglement or amputation may occur. Do not place body parts or foreign objects in any area where there are moving parts.

NOTICE

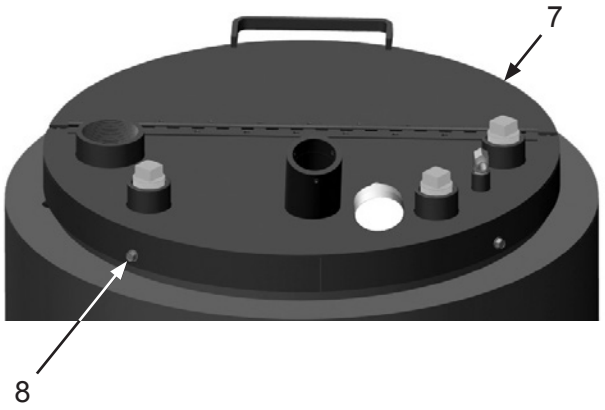
N-530

Label all hoses and connections to aid installation.

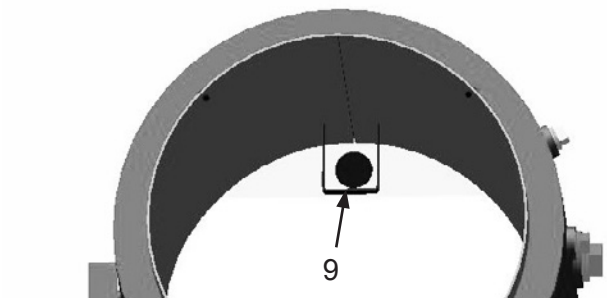
1) Shut down air supply to the entire system.
2) Disconnect air hoses from Fittings (2) and (6).
3) Disconnect fluid hoses from Fittings (4) and (5).
4) Remove Pump Assembly (1). See Remove and Install Transfer Pump.
5) Remove Agitator (3). See Remove and Install Standard Agitator Assembly.



6) Remove four Screws (8).
7) Remove Tank Lid (7).



8) Install parts in reverse order using the following special instructions:
   - Align tank lid so that pump assembly is aligned with bracket (9).



MAINTENANCE

Remove and Install High Viscosity Tank Lid

⚠ WARNING

W-562

Always depressurize the entire system, disconnect all power sources and lockout/ tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.

⚠ WARNING

W-563

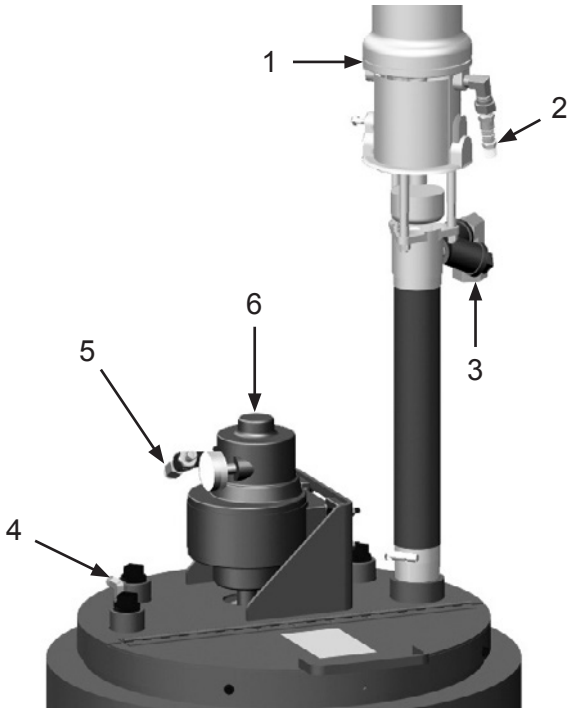
Moving parts can present an area where crushing, pinching, entanglement or amputation may occur. Do not place body parts or foreign objects in any area where there are moving parts. Failure to comply with the above warning could result in death or serious injury.

NOTICE

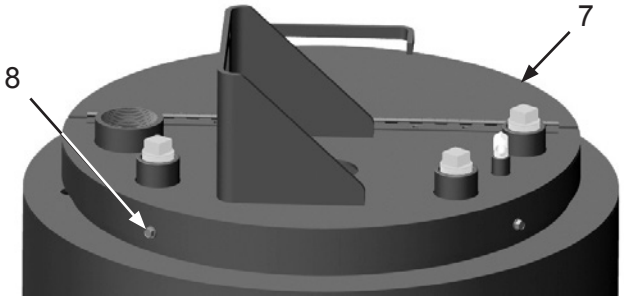
N-530

Label all hoses and connections to aid installation.

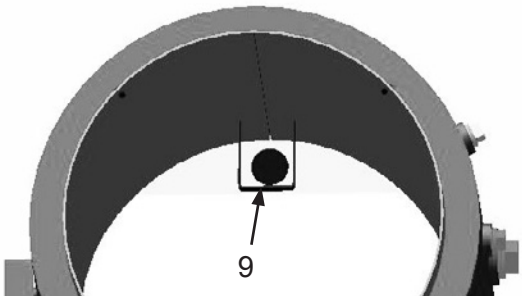
1) Shut down air supply to the entire system.
2) Disconnect air hoses from Fittings (2) and (5).
3) Disconnect fluid hoses from Fittings (3) and (4).
4) Remove Pump Assembly (1). See Remove and Install Transfer Pump.
5) Remove Agitator (6). See Remove and Install High Viscosity Agitator Assembly.



6) Remove four Screws (8).
7) Remove Tank Lid (7).



8) Install parts in reverse order using the following special instructions:
   - Align tank lid so that pump assembly is aligned with bracket (9).



Clean Inside of Coating Tank

⚠ WARNING

W-562

Always depressurize the entire system, disconnect all power sources and lockout/tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.

⚠ WARNING

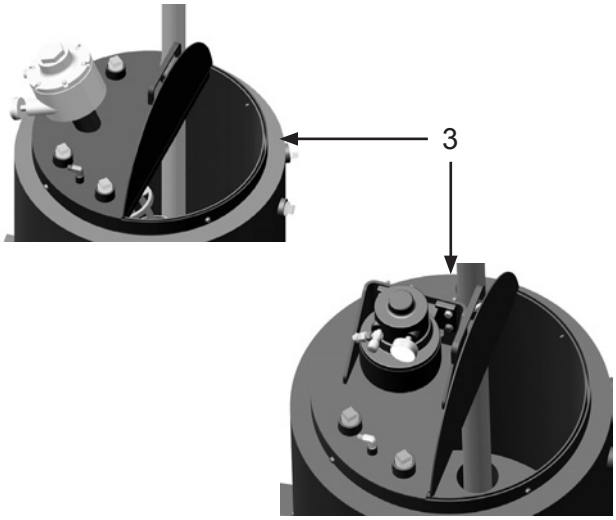
W-561

Flammable fumes, such as solvent and paint fumes in the work area can present an ignition or explosion hazard if allowed to collect in adequate concentrations. To reduce conditions that could result in a fire or an explosion, provide adequate ventilation, eliminate all ignition or spark sources, keep the work area free of debris, store solvents and solvent contaminated rags in approved containers, follow proper grounding procedures, do not plug/unplug power cord or turn on/off power switches when flammable fumes are present, keep a working fire extinguisher or provide another fire suppression system in the work area. Cease all operations and correct condition if a spark or ignition source is identified during operation. Failure to comply with the above warning could result in death or serious injury.

Note: When cleaning, always clean using a compatible solvent.

1) Depressurize the entire system and disconnect all power sources.
2) Open Ball Valve (2) to drain contents of coating tank. Store or dispose of contents properly.
3) Open Tank Lid Cover (1).

4) Clean Coating Tank (3) using a compatible solvent and tools made of non-sparking materials.
5) Install parts in reverse order.



Fill Antifreeze

⚠ WARNING

W-566

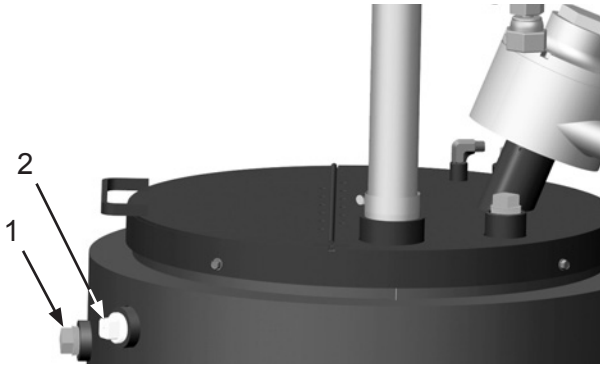
Exposure to toxic fluids or fumes may occur during the normal operation of this system. Before attempting to fill, use, or service this system, read SDS's to know the specific hazards of the fluids you are using. Always use proper Personal Protective Equipment when attempting to fill, use, or service this system. Failure to comply with the above warning could result in death or serious injury.

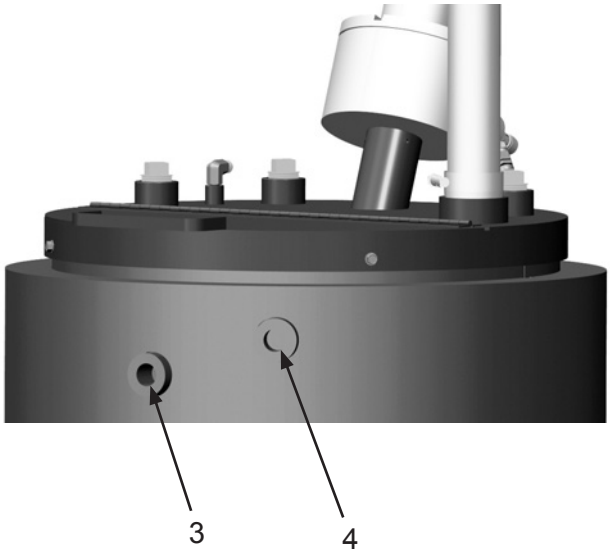
NOTICE

N-534

The outer water jacket must be filled with 50% glycol antifreeze/ water solution before operating heating elements. Failure to do so will result in permanent damage or failure of the immersion heaters.

1) Remove Square Head Plug (1) to check antifreeze level at port (3). Fluid should be just below port.
2) To add antifreeze, remove Square Head Relief Plug (2).
3) Add up to 14 gallons (53 liters) of a 50/50 blend Glycol Antifreeze/ Water solution at port (4) as needed.





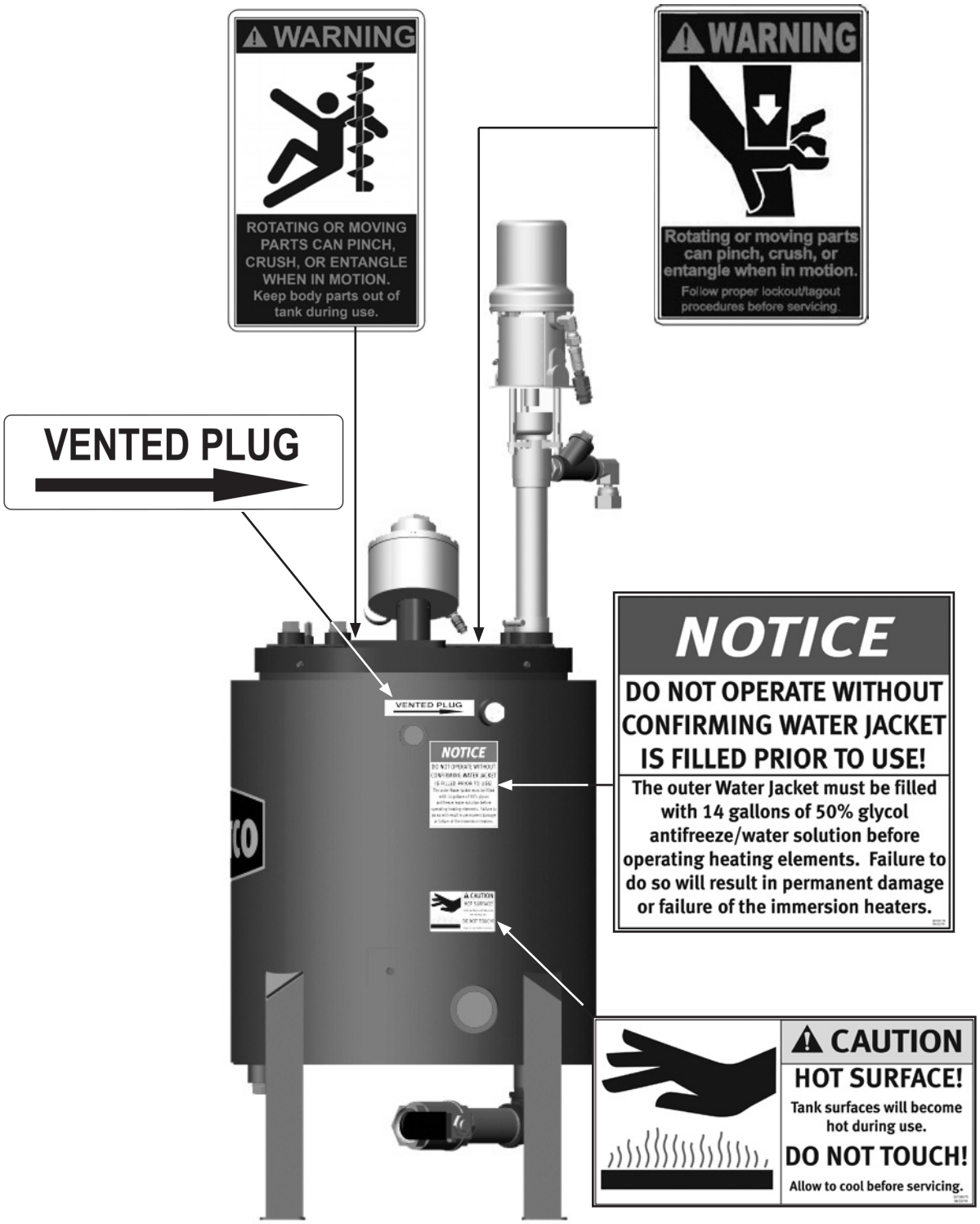
MAINTENANCE

Hazard Identification Decals

⚠ WARNING

W-564

Surfaces of heated supply tanks, drums and/or lines as well as the adjoining plumbing may become hot during normal use. Do not touch these heated surfaces without proper protection. Deactivate and allow sufficient time for all surfaces to cool before attempting any maintenance. Failure to comply with the above warning could result in death or serious injury.



⚠ WARNING

W-562

Always depressurize the entire system, disconnect all power sources and lockout/ tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.

SYMPTOM (Cause)	ACTION
Fluid Line Leaks *(Damaged components, loose fittings, worn parts)*	Inspect all fluid hose connections and fluid fittings. Tighten fittings if leaks are present.
	Inspect fluid hose for damage. Replace damaged fluid hose.
Transfer Pump will not start or runs poorly *(Damaged components, air supply, damaged hose, plugged Wye Strainer)*	See original equipment Operator's Manual for service.
	Check hose and hose connections between pumps and air manifold for leaks, blockage, or damage. Repair or replace as needed.
	Inspect Wye Strainer for blockage or damage. Repair or replace as needed.

TROUBLESHOOTING

⚠ WARNING

W-562

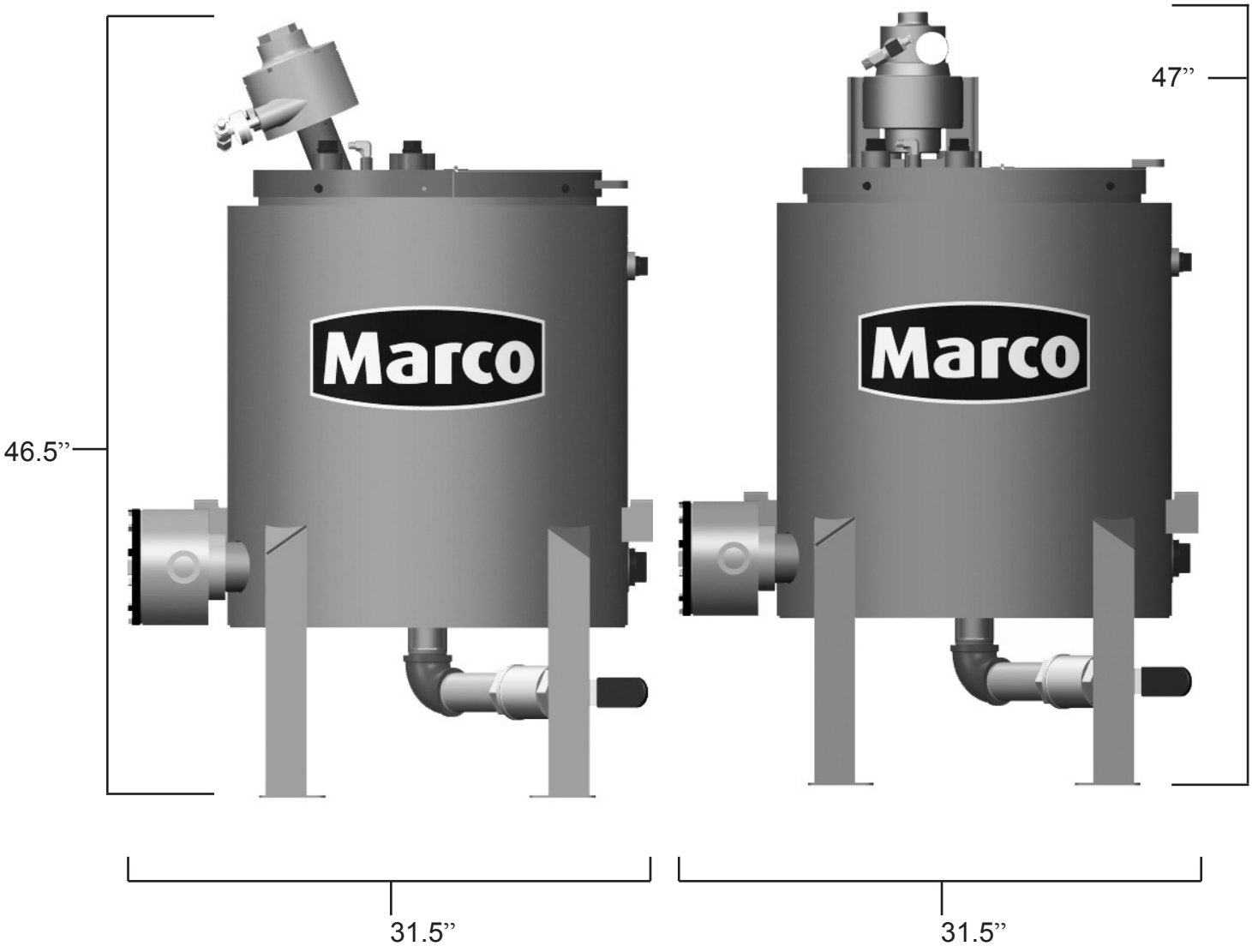
Always depressurize the entire system, disconnect all power sources and lockout/ tagout all components before any maintenance or troubleshooting is attempted. Failure to comply with the above warning could cause electrical shock and inadvertent activation of equipment resulting in death or serious injury.

SYMPTOM (Cause)	ACTION
Tank Heaters are not heating fluid *(Blown fuse, insufficient power source, no power available)*	See original equipment Operator's Manual for service. Ensure system is connected to 240-Volt AC/ 480-Volt AC power source.
Agitator Motor is not turning or rotates slowly *(Damaged components, air supply, viscosity)*	Check air pressure. Increase air pressure by adjusting Needle Valve. Inspect Air Motor for damage. Repair or replace as needed. See air motor Operator's Manual. Insufficient air volume and/ or pressure. Ensure air compressor is of adequate size. Coating viscosity too high. Ensure coating is at recommended temperature and proper viscosity. See coating technical data sheet.

SPRAYMASTER® 25 GALLON HEATED COATINGS TANK SPECIFICATIONS

CAPACITY:	**Inner Volume – 25 gallons (94.6 liters)** **Outer Jacket Capacity – 14 gallons (53 liters)**		
AIR REQUIREMENTS:	**Clean, Dry, Compressed Air 120 CFM @ 50-150 PSI**		
ELECTRICAL SYSTEM:	**240-Volts AC/20 AMP or 480-Volts AC/20 AMP**		
ANTIFREEZE SPECIFICATIONS:	**14 gallons (53 liters) of a 50/50 blend Glycol Antifreeze/Water solution**		
AIR MOTORS:	**Standard Air Motor** **HV Gear Driven Air Motor**	**Max Air Consumption** **Max Air Consumption**	**78 cfm** **60 cfm**
DRY WEIGHT:	**235 Pounds**		

SPRAYMASTER® 25 GALLON HEATED COATINGS TANK SPECIFICATIONS



Low Viscosity (Standard)

High Viscosity

SPRAYMASTER® 25 GALLON HEATED COATINGS TANK SPECIFICATIONS

High Viscosity With 5:1 Pump

High Viscosity With 10:1 Pump

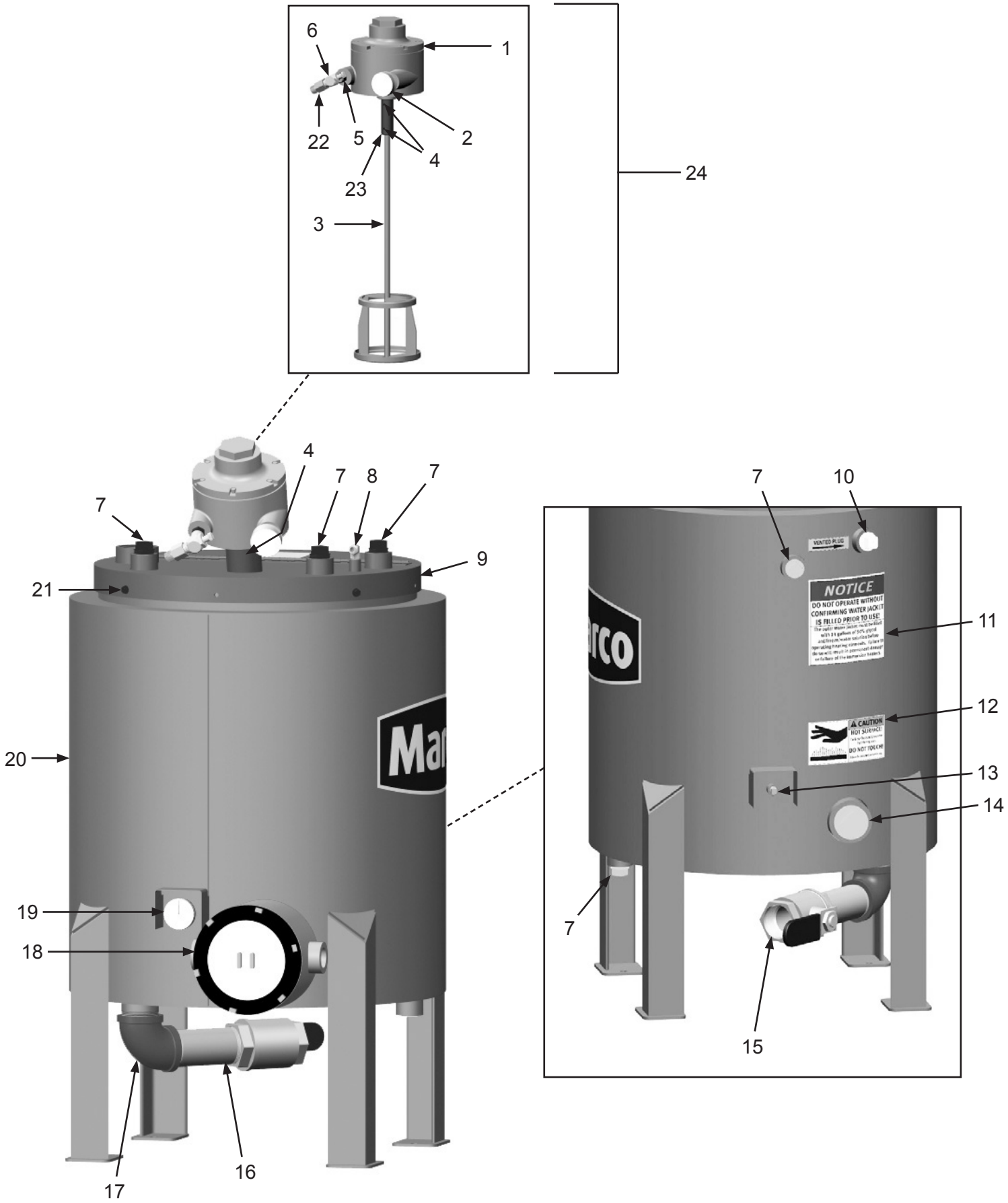
ASSEMBLY PART NUMBERS AND SCHEMATICS

Spraymaster® 25 Gallon Heated Coatings Tank 240/480-Volts AC

Item #	Part #	Description
Fig. 1		
—	**20100926**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC – Complete**
—	**20100927**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC – Complete**
1	20GA4AMNRV22B	4AM Air Motor *(Includes Item # 2)*
2	20BK350401	Air Motor Muffler Assembly
3	20JMPS1	Stainless Steel Mixer 20-1/2”
4	20100150	1/4-20 X 1/4" Set Screw *(Five Required)*
5	20PFHA24SA0604	1/4" X 3/8" Hex Nipple
6	20101193	3/8" NPT Needle Valve
7	1011901	1" NPT Square Head Plug *(Five Required)*
8	20PFHA25UA0404	1/4" NPT (M) 90° Elbow
9	20101079	Tank Lid
10	20100186	1" NPT Square Head Plug w/ 1/8" Relief Hole
11	20100173	Hot Surfaces Warning Label
12	20100174	Heater Notice Label
13	1012052	1/4" NPT Square Head Plug
14	1011823	2" NPT Square Head Plug
15	20101151	2" NPT Full Port Ball Valve
16	20100146	2" X 6" NPT Nipple
17	10101339	2" NPT 90° Elbow
18	20101106	240V GP Immersion Heater
—	20101107	480V GP Immersion Heater
19	20HHH0254F47	1/4" NPT 0-250 Thermometer
20	20100679	Heated Supply Tank
21	20100131	1/4-14 X 1-1/2" Self-Tapping Screw *(Four Required)*
22	20PFHA24SG0606	3/8” (M) x 3/8” (F) Hex Reducer
23	20100062	Coupling
24	20101285	Round Tank Mixer Assy with Air Motor *Includes items # 1—6, 22 and 23*
—	20101283	4AM Air Motor Service Kit
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	1091130	Rotating Parts Warning Label
—	209V515	Operator’s Manual –AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

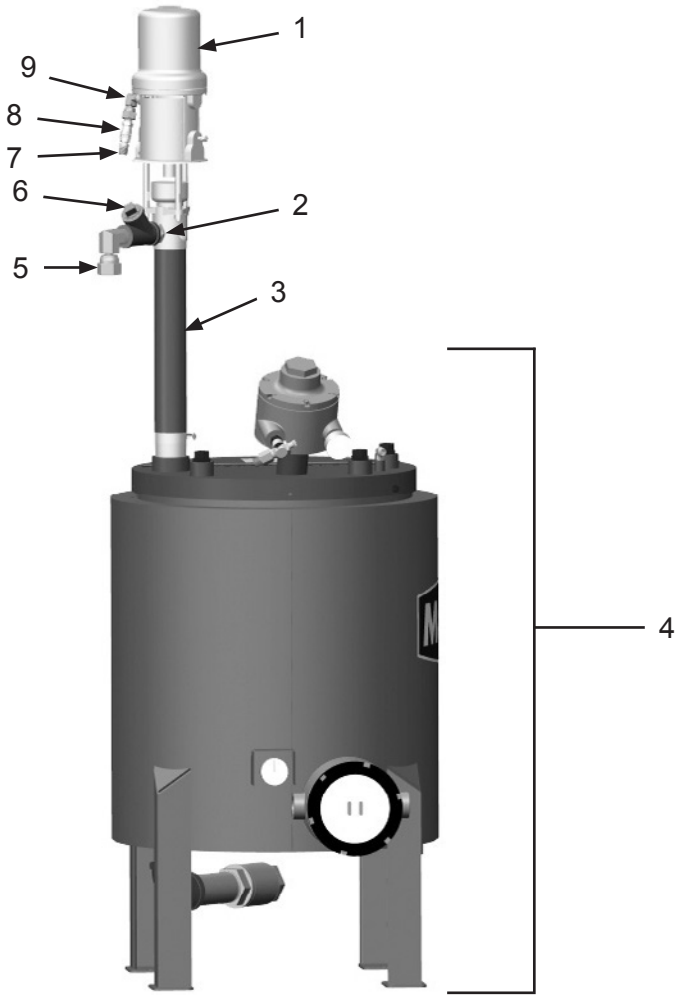
PART NUMBERS & SCHEMATICS

Figure 1: Spraymaster® 25 Gallon Heated Coatings Tank 240/480-Volts AC



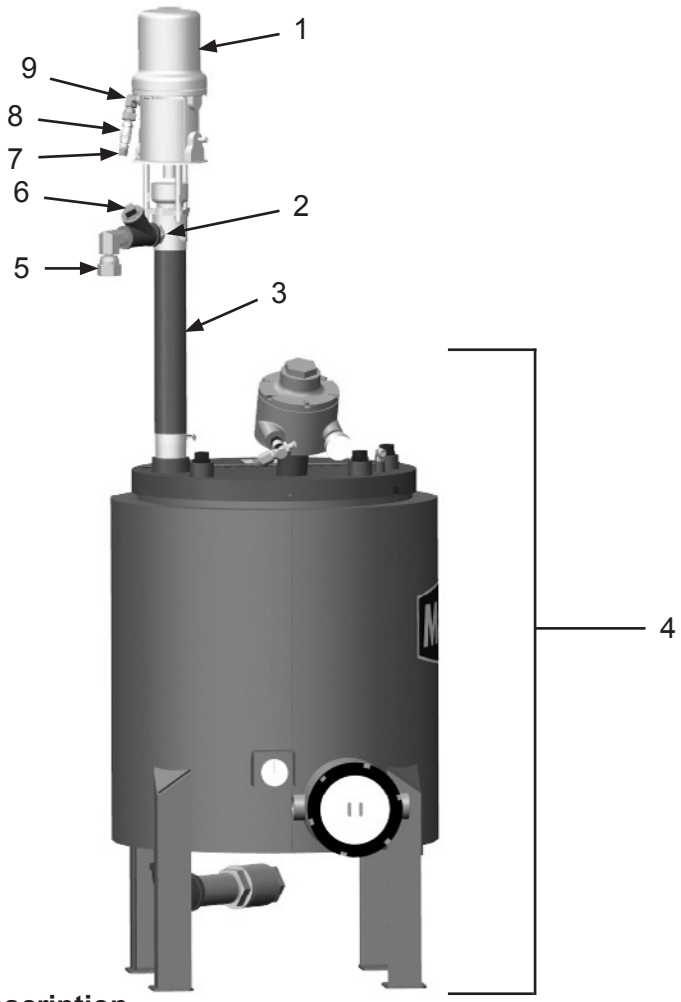
PART NUMBERS & SCHEMATICS

Figure 2: Spraymaster® 25 Gallon Tank 240-Volts AC with 5:1 Transfer Pump



Item #	Part #	Description
Fig. 2		
—	**20101081**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC with 5:1 Transfer Pump – Complete**
1	20G248825	Monark® 5:1 Feed Pump
2	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
4	20100926	Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20100286	3/8” NPT 1/4” Female Quick Disconnect
8	20100285	3/8" NPT 1/4" Male Quick Disconnect
9	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V513	5:1 Ratio Monark® Pump
—	209V515	AM Series Lubricated Air Motors

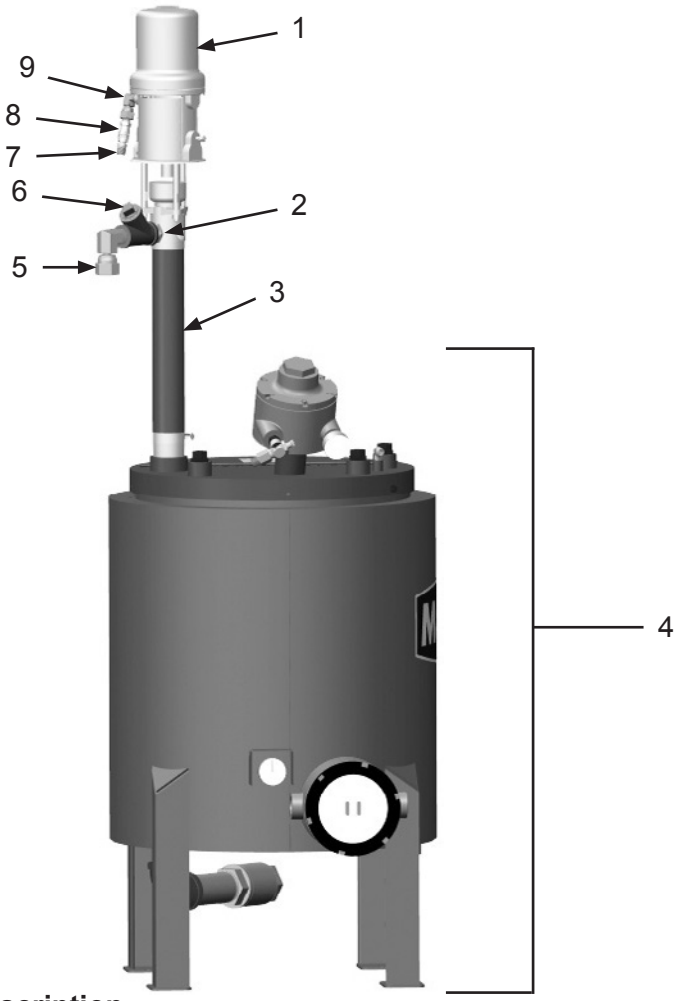
Figure 3: Spraymaster® 25 Gallon Tank 480-Volts AC with 5:1 Transfer Pump



Item #	Part #	Description
Fig. 3		
—	**20101082**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC with 5:1 Transfer Pump – Complete**
1	20G248825	Monark® 5:1 Feed Pump
2	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
4	20100927	Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20100286	3/8” NPT 1/4” Female Quick Disconnect
8	20100285	3/8" NPT 1/4" Male Quick Disconnect
9	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V513	5:1 Ratio Monark® Pump
—	209V515	AM Series Lubricated Air Motors

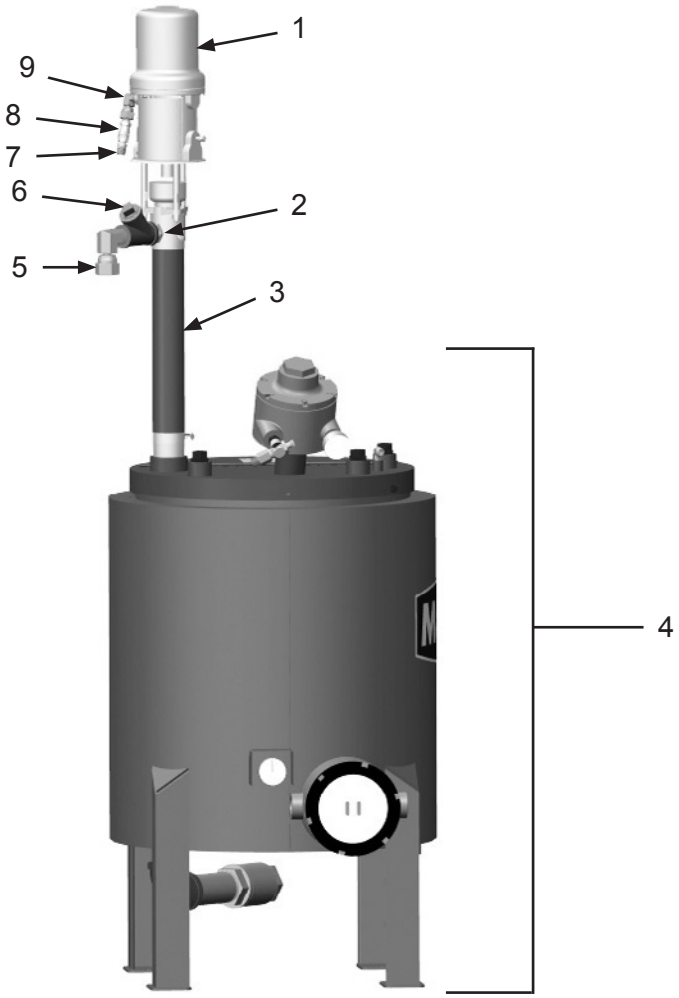
PART NUMBERS & SCHEMATICS

Figure 4: Spraymaster® 25 Gallon Tank 240-Volts AC with 10:1 Transfer Pump



Item #	Part #	Description
Fig. 4		
—	**20101085**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC with 10:1 Transfer Pump – Complete**
1	20G256433	President® 10:1 Feed Pump
2	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
4	20100926	Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20100286	3/8” NPT 1/4” Female Quick Disconnect
8	20100285	3/8" NPT 1/4" Male Quick Disconnect
9	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V514	10:1 Ratio President® Pump
—	209V515	AM Series Lubricated Air Motors

Figure 5: Spraymaster® 25 Gallon Tank 480-Volts AC with 10:1 Transfer Pump



Item #	Part #	Description
Fig. 5		
—	**20101086**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC with 10:1 Transfer Pump – Complete**
1	20G256433	President® 10:1 Feed Pump
2	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
4	20100927	Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20100286	3/8” NPT 1/4” Female Quick Disconnect
8	20100285	3/8" NPT 1/4" Male Quick Disconnect
9	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V514	10:1 Ratio President® Pump
—	209V515	AM Series Lubricated Air Motors

PART NUMBERS & SCHEMATICS

Spraymaster® 25 Gallon Heated Coatings Tank 240/480-Volts AC Intrinsically Safe

Item #	Part #	Description
Fig. 6		
—	**20100928**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volt AC Intrinsically Safe – Complete**
—	**20100929**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volt AC Intrinsically Safe – Complete**
1	20GA4AMNRV22B	4AM Air Motor *(Includes Item #2)*
2	20BK350401	Air Motor Muffler Assembly
3	20JMPS1	Stainless Steel Mixer 20-1/2”
4	20100150	1/4-20 X 1/4" Set Screw *(Five Required)*
5	20PFHA24SA0604	1/4" X 3/8" Hex Nipple
6	20101193	3/8" NPT Needle Valve
7	1011901	1" NPT Square Head Plug *(Five Required)*
8	20PFHA25UA0404	1/4" NPT (M) 90° Elbow
9	20101079	Tank Lid
10	20100186	1" NPT Square Head Plug with 1/8" Relief Hole
11	20100173	Hot Surfaces Warning Label
12	20100174	Heater Notice Label
13	1012052	1/4" NPT Square Head Plug
14	1011823	2" NPT Square Head Plug
15	20101151	2" NPT Full Port Ball Valve
16	20100146	2" X 6" NPT Nipple
17	10101339	2" NPT 90° Elbow
18	20101108	240-Volt AC GP Immersion Heater
—	20101109	480-Volt AC GP Immersion Heater
19	20HHH0254F47	1/4" NPT 0-250 Thermometer
20	20100679	Heated Supply Tank
21	20100131	1/4-14 X 1-1/2" Self-Tapping Screw *(Four Required)*
22	20PFHA24SG0606	3/8” (M) x 3/8” (F) Hex Reducer
23	20100062	Coupling
24	20101285	Round Tank Mixer Assy with Air Motor *Includes items # 1—6, 22 and 23*
—	20101283	4AM Air Motor Service Kit
—	2091000	PC Sprayer Label Kit – Misc.
—	2091001	PC Sprayer Label Kit – A/B
—	1091130	Hazardous Identification Label, Rotating Parts
—	209V515	Operator's Manual – AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide – Spraymaster® 25 Gallon Heated Coatings Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® 25 Gallon Heated CoatingsTank
—	2090113	Operator's Manual – Spraymaster® 25 Gallon Heated Coatings Tank

Figure 6: Spraymaster® 25 Gallon Heated Coatings Tank 240/480-Volts AC Intrinsically Safe

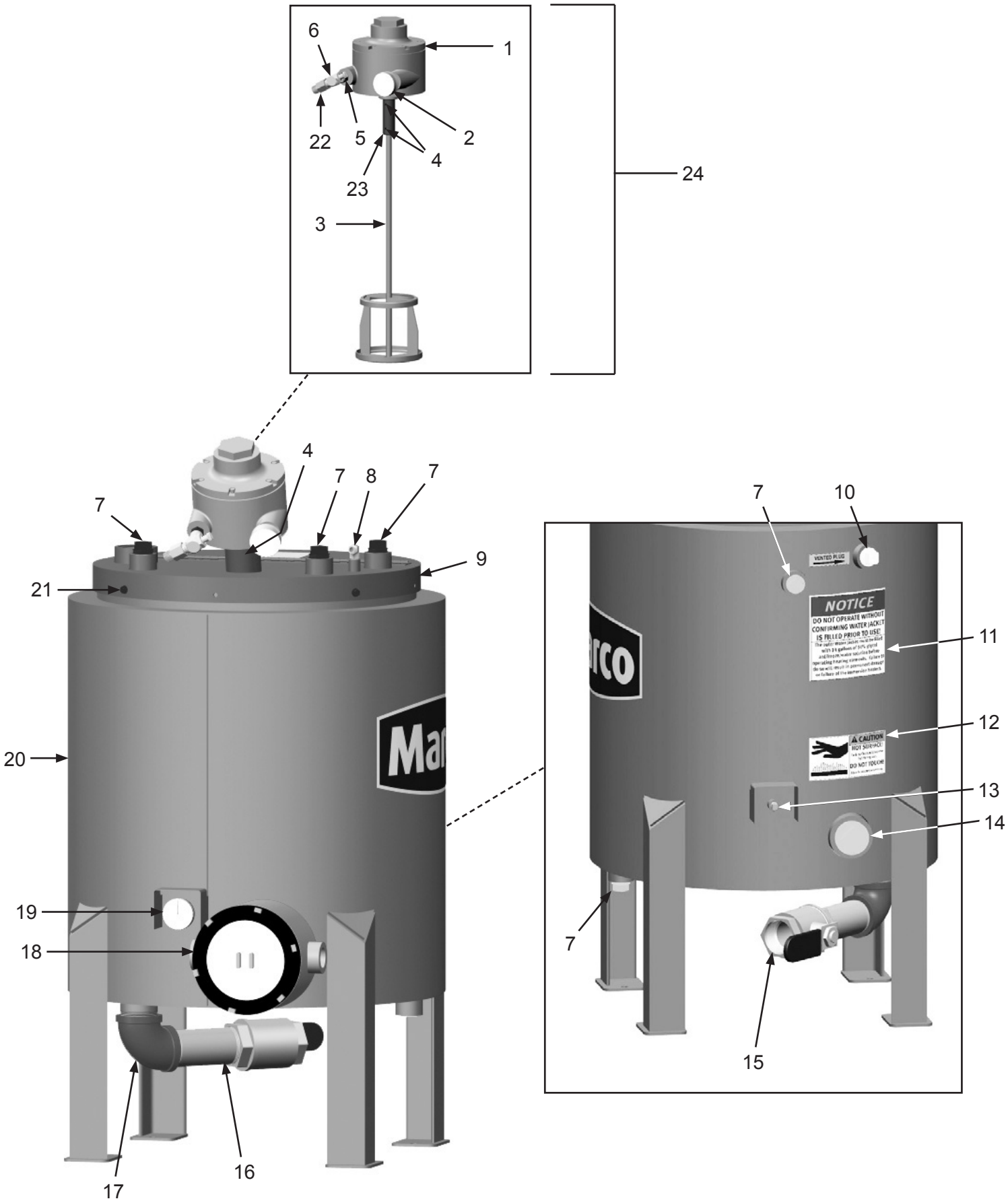
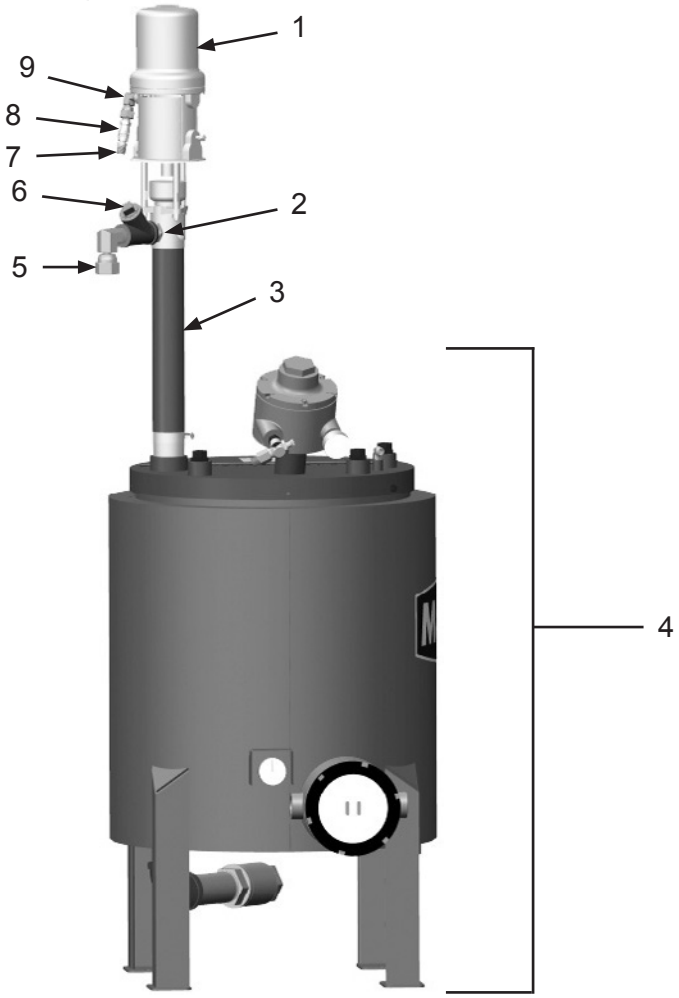
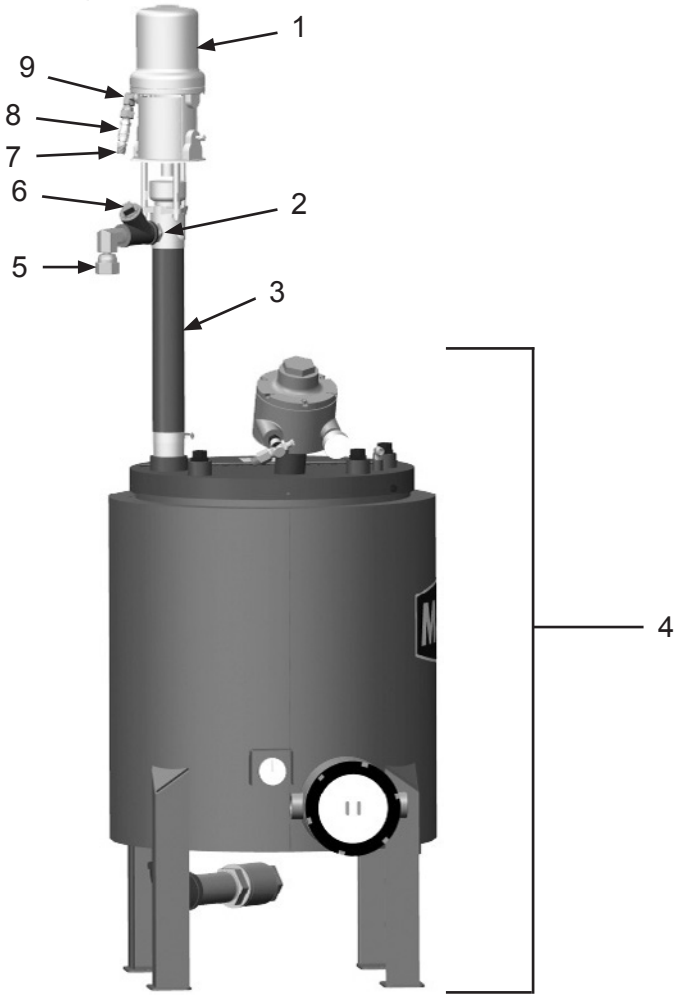


Figure 7: Spraymaster® 25 Gallon Tank 240-Volts AC Intrinsically Safe with 5:1 Transfer Pump



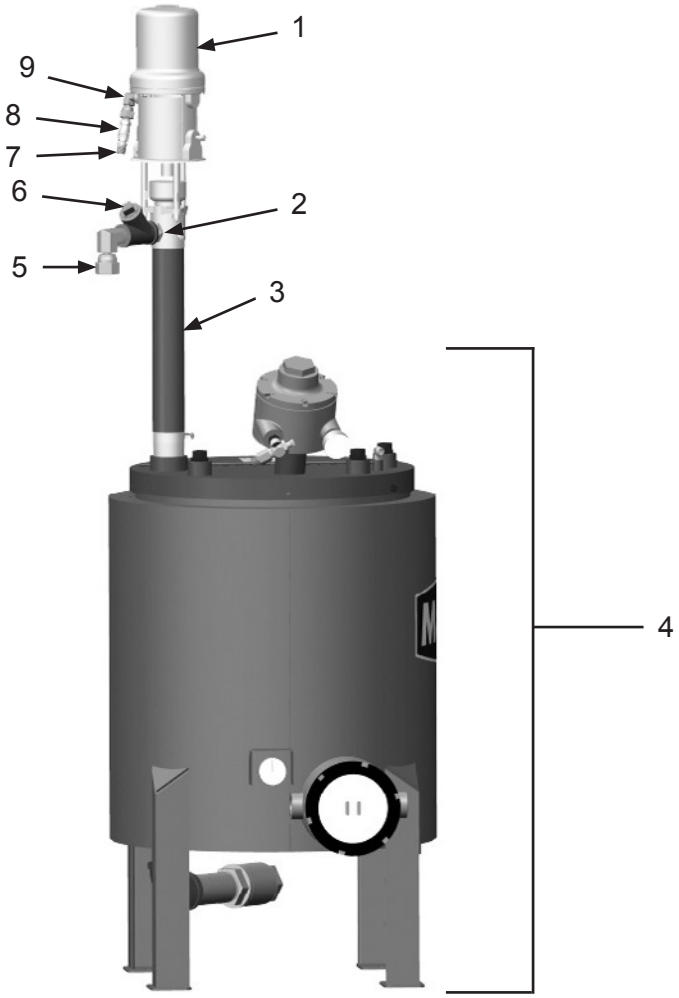
Item #	Part #	Description
Fig. 7		
—	**20101083**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe with 5:1 Transfer Pump – Complete**
1	20G248825	Monark® 5:1 Feed Pump
2	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
4	20100928	Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20100286	3/8” NPT 1/4” Female Quick Disconnect
8	20100285	3/8" NPT 1/4" Male Quick Disconnect
9	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V513	5:1 Ratio Monark® Pump
—	209V515	AM Series Lubricated Air Motors

Figure 8: Spraymaster® 25 Gallon Tank 480-Volts AC Intrinsically Safe with 5:1 Transfer Pump



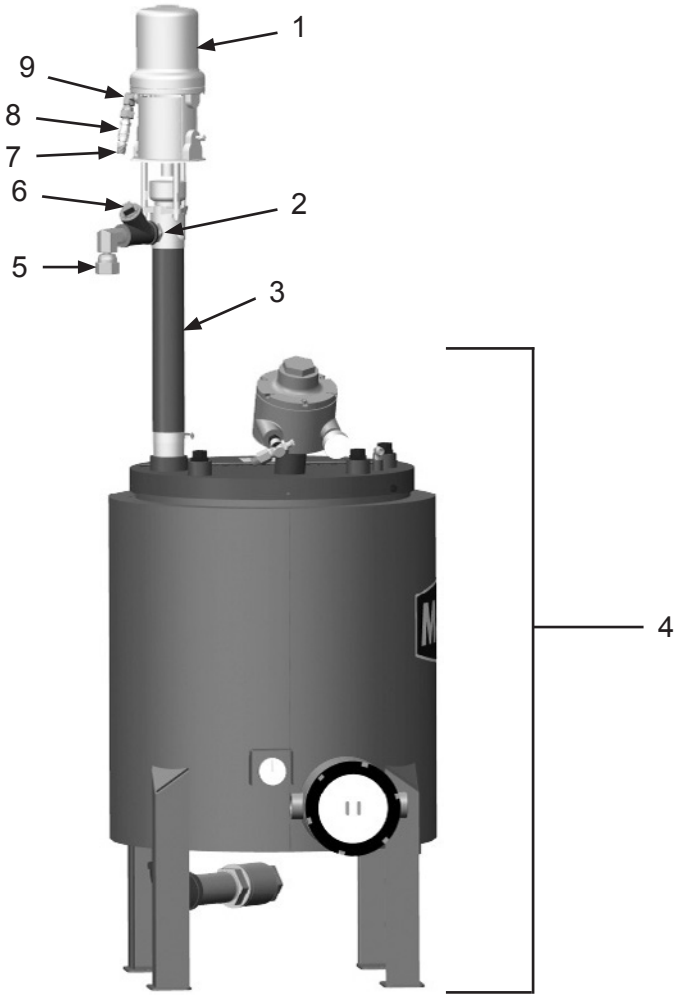
Item #	Part #	Description
Fig. 8		
—	**20101084**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe with 5:1 Transfer Pump – Complete**
1	20G248825	Monark® 5:1 Feed Pump
2	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
4	20100929	Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20100286	3/8” NPT 1/4” Female Quick Disconnect
8	20100285	3/8" NPT 1/4" Male Quick Disconnect
9	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V513	5:1 Ratio Monark® Pump
—	209V515	AM Series Lubricated Air Motors

Figure 9: Spraymaster® 25 Gallon Tank 240-Volts AC Intrinsically Safe with 10:1 Transfer Pump



Item #	Part #	Description
Fig. 9		
—	**20101087**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe with 10:1 Transfer Pump – Complete**
1	20G256433	President® 10:1 Feed Pump
2	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
4	20100928	Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20100286	3/8” NPT 1/4” Female Quick Disconnect
8	20100285	3/8" NPT 1/4" Male Quick Disconnect
9	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V514	10:1 Ratio President® Pump
—	209V515	AM Series Lubricated Air Motors

Figure 10: Spraymaster® 25 Gallon Tank 480-Volts AC Intrinsically Safe with 10:1 Transfer Pump



Item #	Part #	Description
Fig. 10		
—	**20101088**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe with 10:1 Transfer Pump – Complete**
1	20G256433	President® 10:1 Feed Pump
2	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
4	20100929	Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20100286	3/8” NPT 1/4” Female Quick Disconnect
8	20100285	3/8" NPT 1/4" Male Quick Disconnect
9	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V514	10:1 Ratio President® Pump
—	209V515	AM Series Lubricated Air Motors

Spraymaster® 25 Gallon Heated Coatings Tank 240/480-Volts AC for High Viscosity Liquid

Item #	Part #	Description
Fig. 11		
—	**20100930**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC for High Viscosity Liquid – Complete**
—	**20100931**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC for High Viscosity Liquid – Complete**
1	20100827	15:1 Gear Driven Air Motor *(Includes Item # 2)*
2	20BK350401	Air Motor Muffler Assembly
3	20101193	3/8" NPT Needle Valve
4	20PFHA24SG0606	3/8” (M) x 3/8” (F) Hex Reducer
5	20100843	1" X 1" Shaft Coupling
6	20100815	6" Mixer Blade
7	1011901	1" NPT Square Head Plug *(Five Required)*
8	20PFHA25UA0404	1/4" NPT (M) 90° Elbow
9	20101102	25 Gallon Round HVL Lid Weldment
10	20100131	1/4-14 X 1-1/2" Self-Tapping Screw *(Four Required)*
11	20101106	240V Immersion Heater
—	20101107	480V Immersion Heater
12	20HHH0254F47	1/4" NPT 0-250 Thermometer
13	20100679	Heated Supply Tank
14	20100186	1" NPT Square Head Plug w/ 1/8" Relief Hole
15	20100173	Hot Surfaces Warning Label
16	20100174	Heater Notice Label
17	1012052	1/4" NPT Square Head Plug
18	1011823	2" NPT Square Head Plug
19	10101339	2" NPT 90o Elbow
20	20100146	2" X 6" NPT Nipple
21	20101151	2" NPT Full Port Ball Valve
22	20100897	5/16-18 X 1-1/2" Hex Bolt *(Four Required)*
23	10L805003	5/16" Flat Washer *(Eight Required)*
24	20100900	5/16-18 Hex Lock Nut *(Four Required)*
25	20PFHA24SA0604	1/4” X 3/8” Hex Nipple
26	20101286	HVL Mixer Assembly with Air Motor Includes items # 1—6, 22, 23, 24 and 25
—	20101283	4AM Air Motor Service Kit
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	1091130	Rotating Parts Warning Label
—	209V515	Operator’s Manual –AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Figure 11: Spraymaster® 25 Gallon Heated Coatings Tank 240/480-Volts AC for High Viscosity Liquid

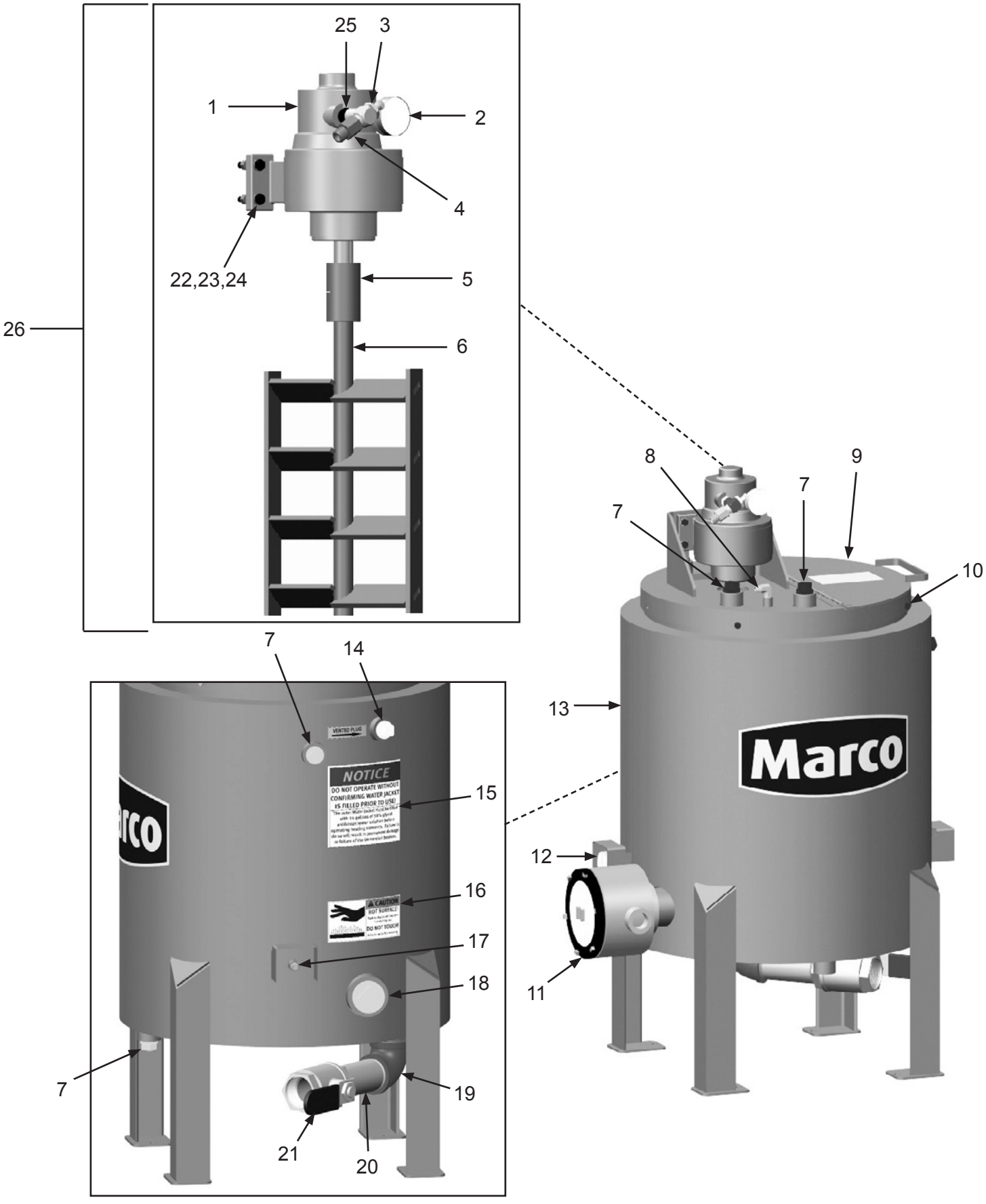
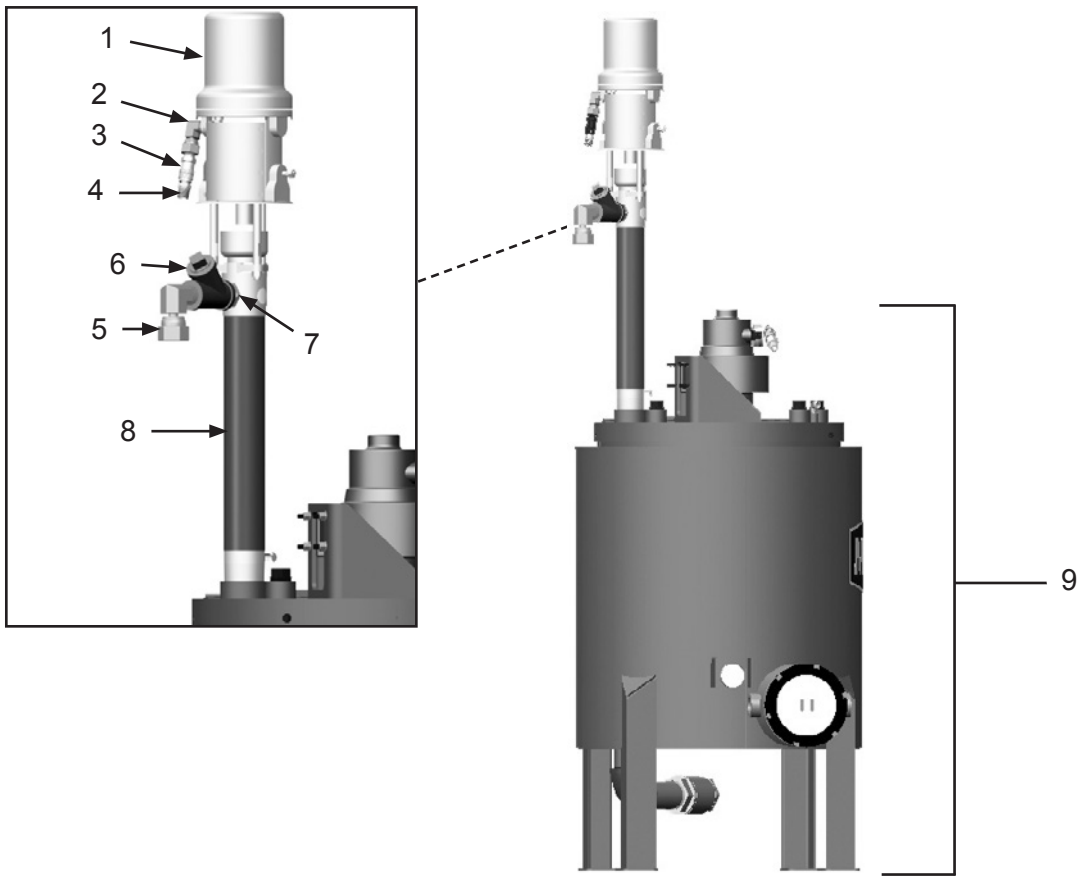
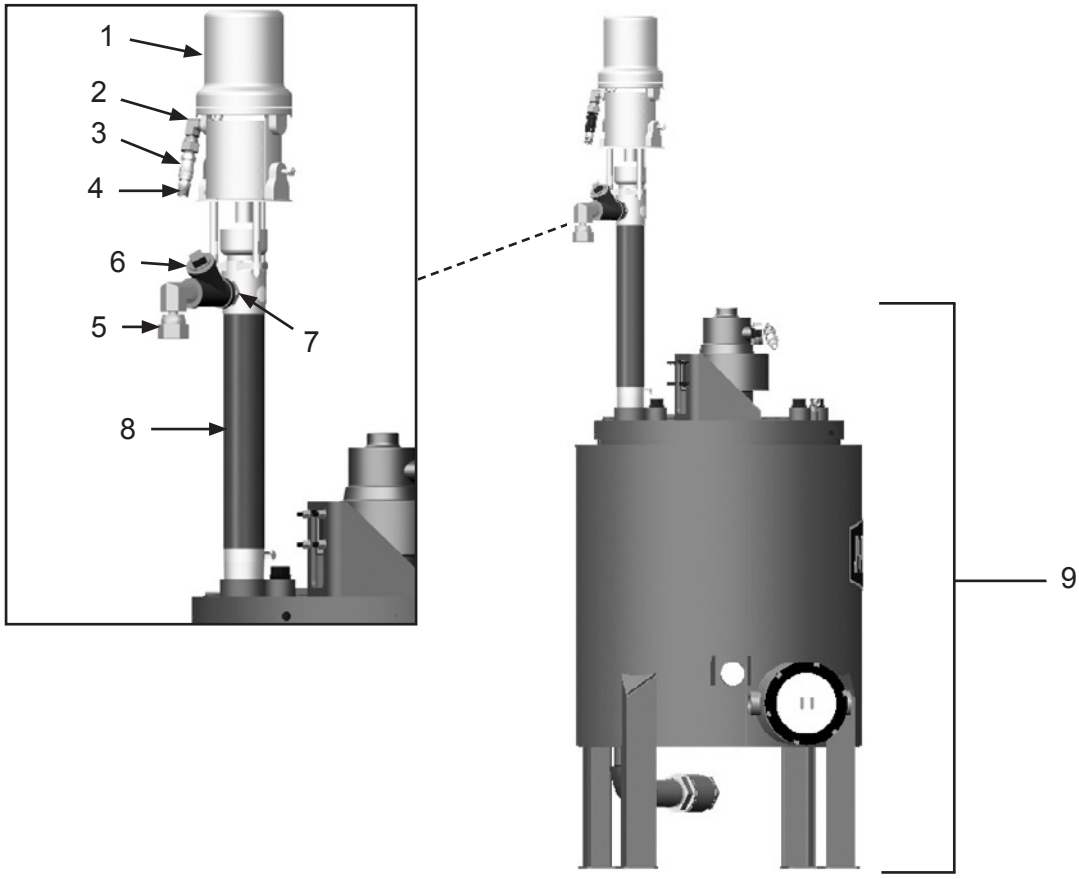


Figure 12: Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC for High Viscosity Liquid with 5:1 Transfer Pump



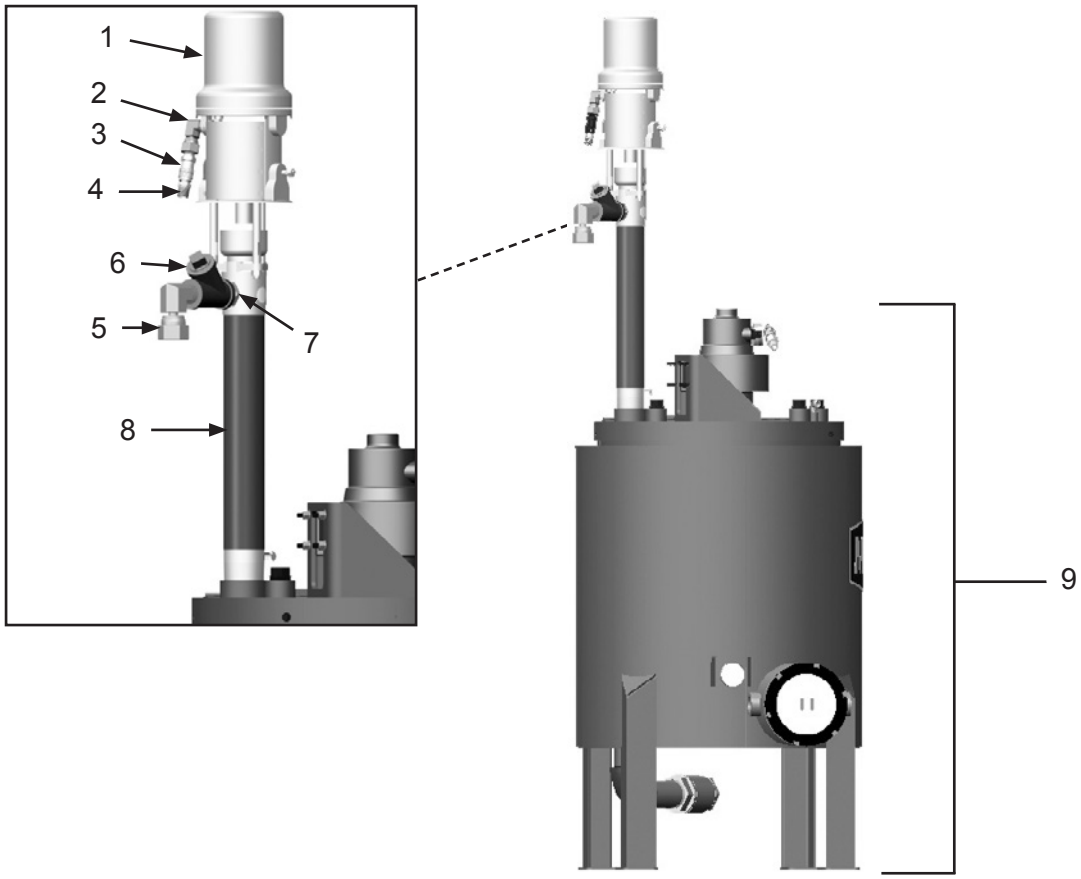
Item #	Part #	Description
Fig. 12		
—	**20101089**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC for High Viscosity Liquid with 5:1 Transfer Pump – Complete**
1	20G248825	Monark® 5:1 Feed Pump
2	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
3	20100285	3/8" NPT 1/4" Male Quick Disconnect
4	20100286	3/8” NPT 1/4” Female Quick Disconnect
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
9	20100930	Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC for High Viscosity Liquid
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V513	5:1 Ratio Monark® Pump
—	209V515	AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Figure 13: Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC for High Viscosity Liquid with 5:1 Transfer Pump



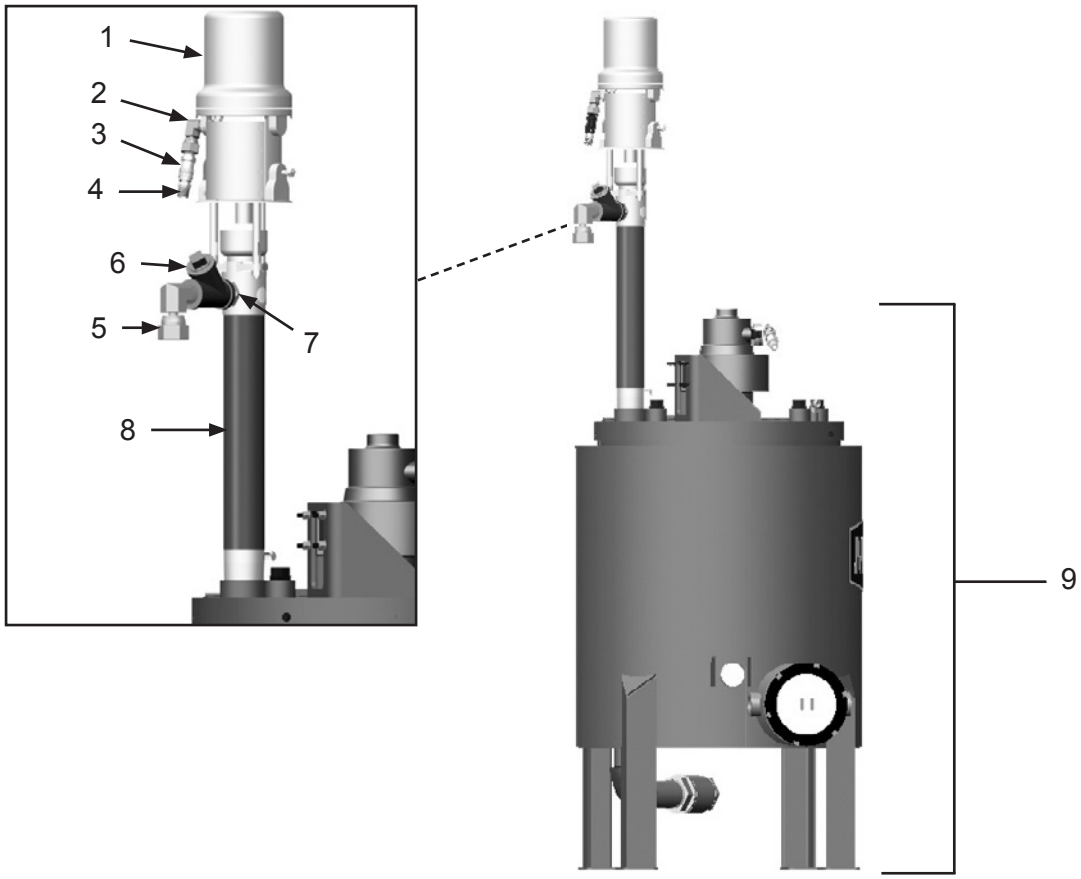
Item #	Part #	Description
Fig. 13		
—	**20101090**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC for High Viscosity Liquid with 5:1 Transfer Pump – Complete**
1	20G248825	Monark® 5:1 Feed Pump
2	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
3	20100285	3/8" NPT 1/4" Male Quick Disconnect
4	20100286	3/8” NPT 1/4” Female Quick Disconnect
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
9	20100931	Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC for High Viscosity Liquid
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V513	5:1 Ratio Monark® Pump
—	209V515	AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Figure 14: Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC for High Viscosity Liquid with 10:1 Transfer Pump



Item #	Part #	Description
Fig. 14		
—	**20101093**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC for High Viscosity Liquid with 10:1 Transfer Pump – Complete**
1	20G256433	President® 10:1 Feed Pump
2	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
3	20100285	3/8" NPT 1/4" Male Quick Disconnect
4	20100286	3/8” NPT 1/4” Female Quick Disconnect
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
9	20100930	Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC for High Viscosity Liquid
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V513	5:1 Ratio Monark® Pump
—	209V515	AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Figure 15:



Item #	Part #	Description
Fig. 15		
—	**20101094**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC for High Viscosity Liquid with 10:1 Transfer Pump – Complete**
1	20G256433	President® 10:1 Feed Pump
2	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
3	20100285	3/8" NPT 1/4" Male Quick Disconnect
4	20100286	3/8” NPT 1/4” Female Quick Disconnect
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
9	20100931	Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC for High Viscosity Liquid
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V514	10:1 Ratio President® Pump
—	209V515	AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Spraymaster® 25 Gallon Heated Coatings Tank 240/480-Volts AC Intrinsically Safe for High Viscosity Liquid

Item #	Part #	Description
Fig. 16		
—	**20100932**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe for High Viscosity Liquid – Complete**
—	**20100933**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe for High Viscosity Liquid – Complete**
1	20100827	15:1 Gear Driven Air Motor *(Includes Item # 2)*
2	20BK350401	Air Motor Muffler Assembly
3	20101193	3/8" NPT Needle Valve
4	20PFHA24SG0606	3/8” (M) x 3/8” (F) Hex Reducer
5	20100843	1" X 1" Shaft Coupling
6	20100815	6" Mixer Blade
7	1011901	1" NPT Square Head Plug *(Five Required)*
8	20PFHA25UA0404	1/4" NPT (M) 90° Elbow
9	20101102	25 Gallon Round HVL Lid Weldment
10	20100131	1/4-14 X 1-1/2" Self-Tapping Screw *(Four Required)*
11	20101106	240V Immersion Heater
—	20101107	480V Immersion Heater
12	20HHH0254F47	1/4" NPT 0-250 Thermometer
13	20100679	Heated Supply Tank
14	20100186	1" NPT Square Head Plug w/ 1/8" Relief Hole
15	20100173	Hot Surfaces Warning Label
16	20100174	Heater Notice Label
17	1012052	1/4" NPT Square Head Plug
18	1011823	2" NPT Square Head Plug
19	10101339	2" NPT 90o Elbow
20	20100146	2" X 6" NPT Nipple
21	20101151	2" NPT Full Port Ball Valve
22	20100897	5/16-18 X 1-1/2" Hex Bolt *(Four Required)*
23	10L805003	5/16" Flat Washer *(Eight Required)*
24	20100900	5/16-18 Hex Lock Nut *(Four Required)*
25	20PFHA24SA0604	1/4” X 3/8” Hex Nipple
26	20101286	HVL Mixer Assembly with Air Motor Includes items # 1—6, 22, 23, 24 and 25
—	20101283	4AM Air Motor Service Kit
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	1091130	Rotating Parts Warning Label
—	209V515	Operator’s Manual –AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Figure 16: Spraymaster® 25 Gallon Heated Coatings Tank 240/480-Volts AC Intrinsically Safe for High Viscosity Liquid

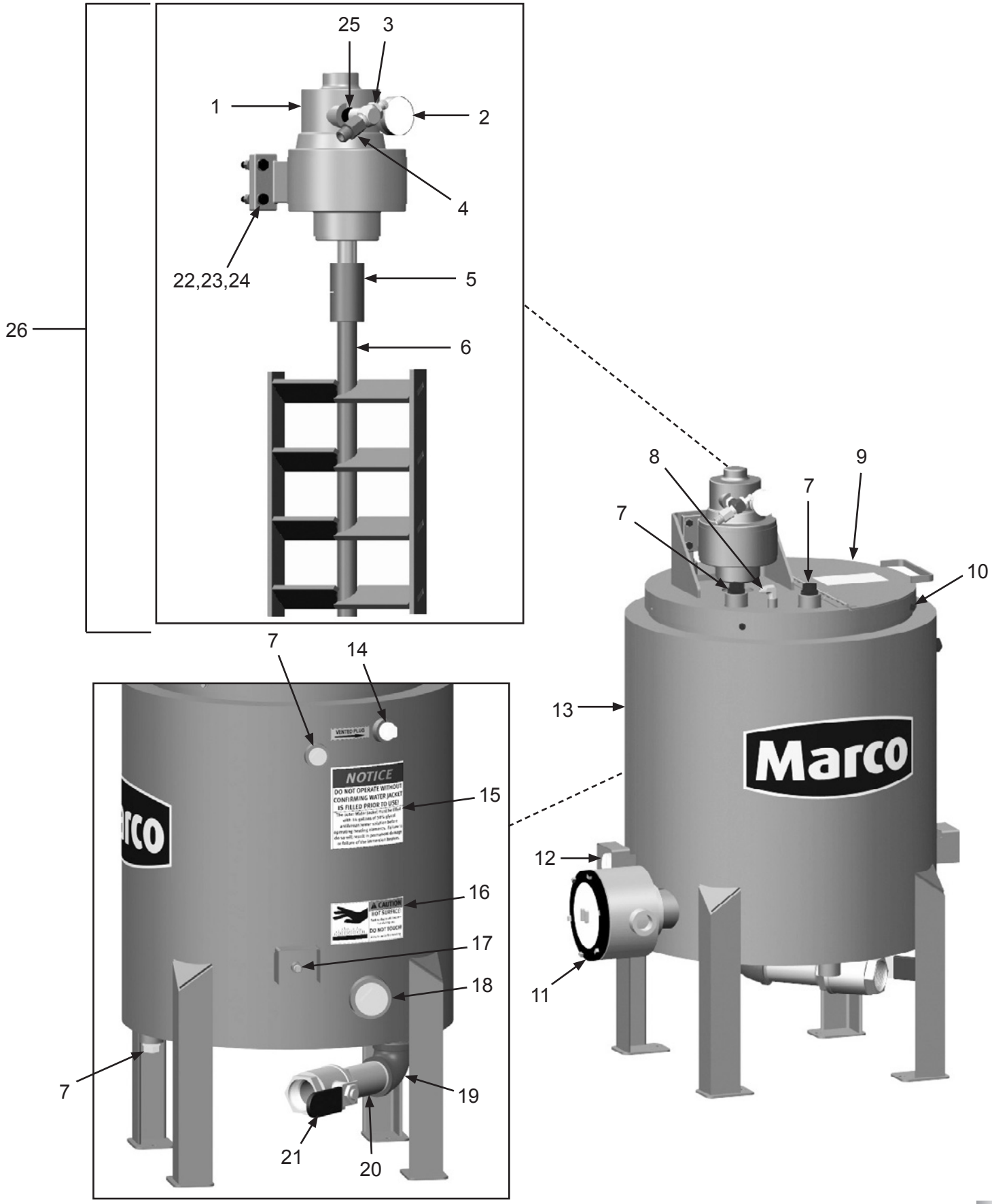
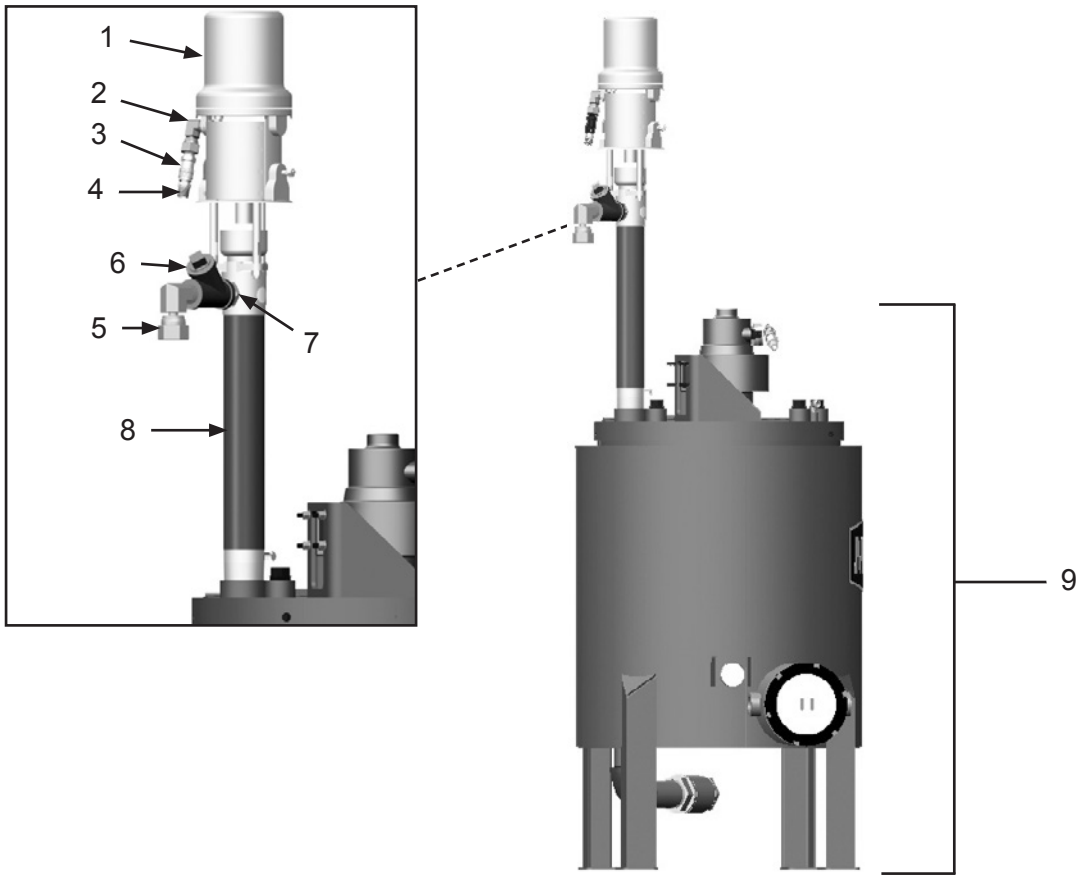
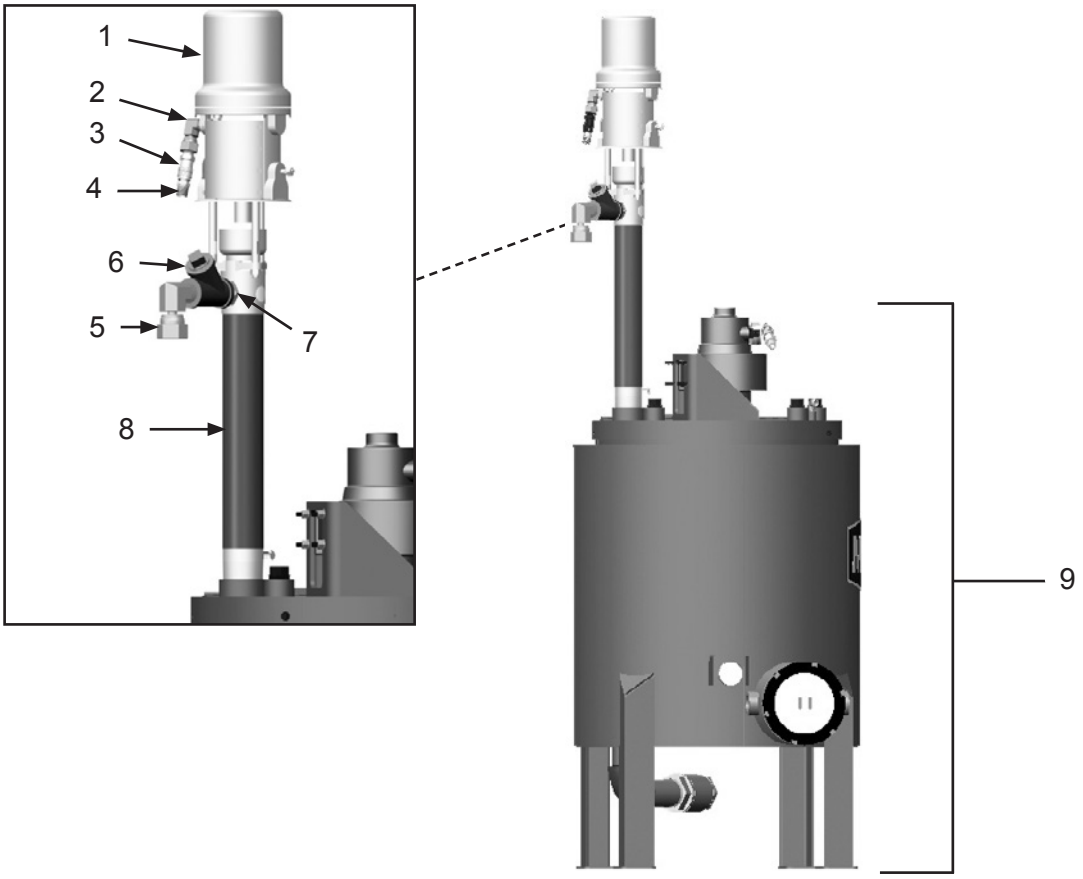


Figure 17: Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe for High Viscosity Liquid with 5:1 Transfer Pump



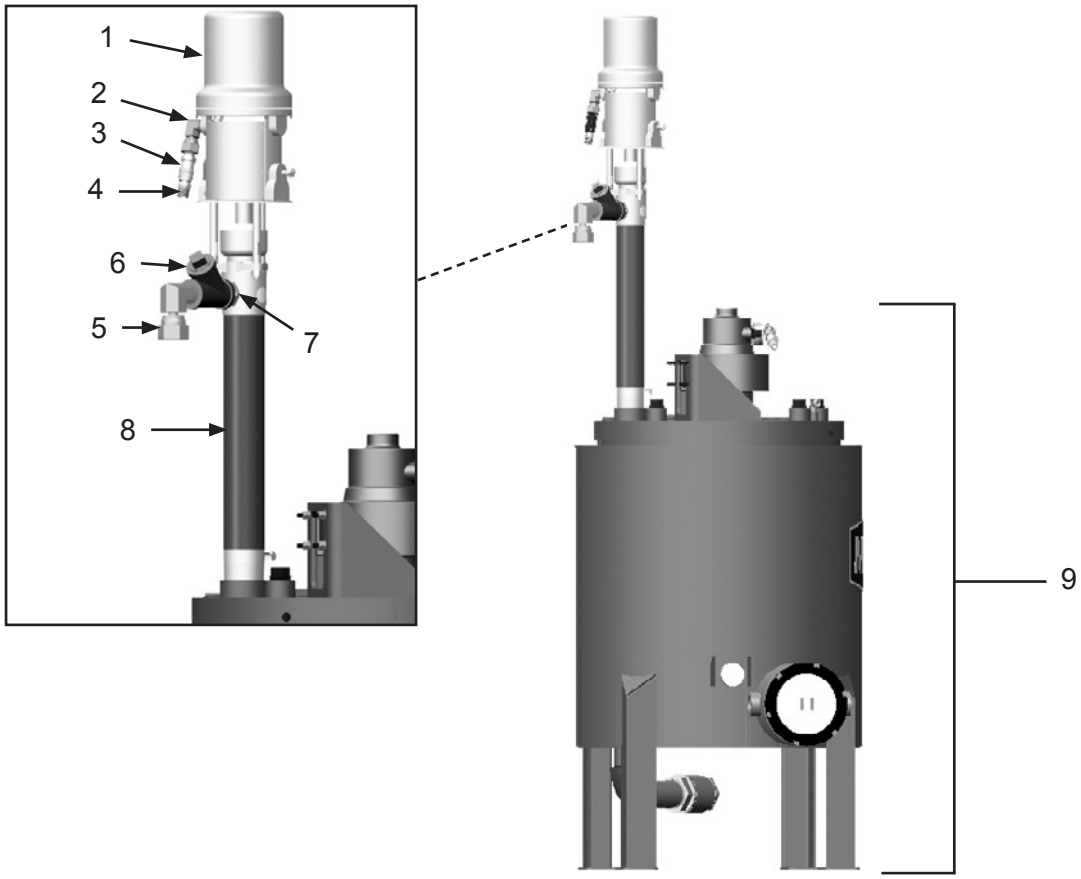
Item #	Part #	Description
Fig. 17		
—	**20101091**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe for High Viscosity Liquid with 5:1 Transfer Pump – Complete**
1	20G248825	Monark® 5:1 Feed Pump
2	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90º Swivel Elbow
3	20100285	3/8" NPT 1/4" Male Quick Disconnect
4	20100286	3/8” NPT 1/4” Female Quick Disconnect
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90º Swivel Elbow
6	20101309	1” Wye Strainer
7	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
9	20100932	Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe for High Viscosity Liquid
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V513	5:1 Ratio Monark® Pump
—	209V515	AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Figure 18: Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe for High Viscosity Liquid with 5:1 Transfer Pump



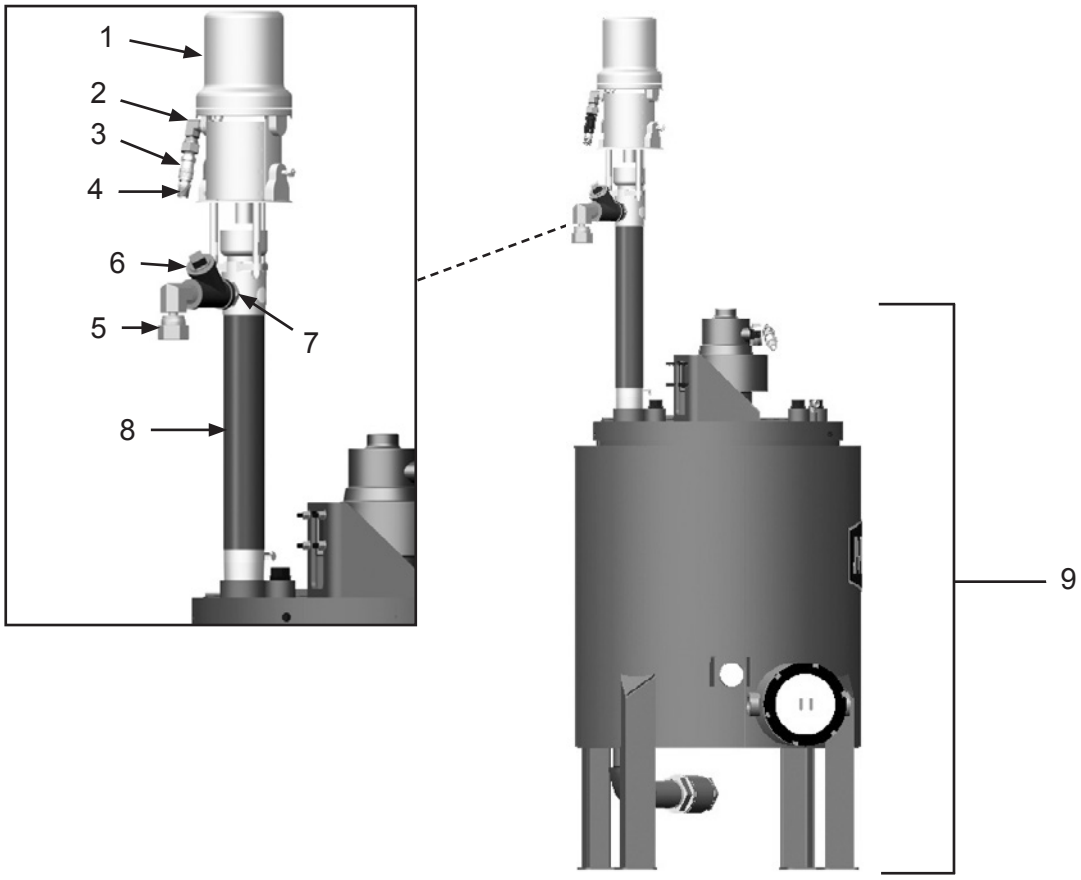
Item #	Part #	Description
Fig. 18		
—	**20101092**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe for High Viscosity Liquid with 5:1 Transfer Pump – Complete**
1	20G248825	Monark® 5:1 Feed Pump
2	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
3	20100285	3/8" NPT 1/4" Male Quick Disconnect
4	20100286	3/8” NPT 1/4” Female Quick Disconnect
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
9	20100933	Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe for High Viscosity Liquid
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V513	5:1 Ratio Monark® Pump
—	209V515	AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Figure 19: Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe for High Viscosity Liquid with 10:1 Transfer Pump



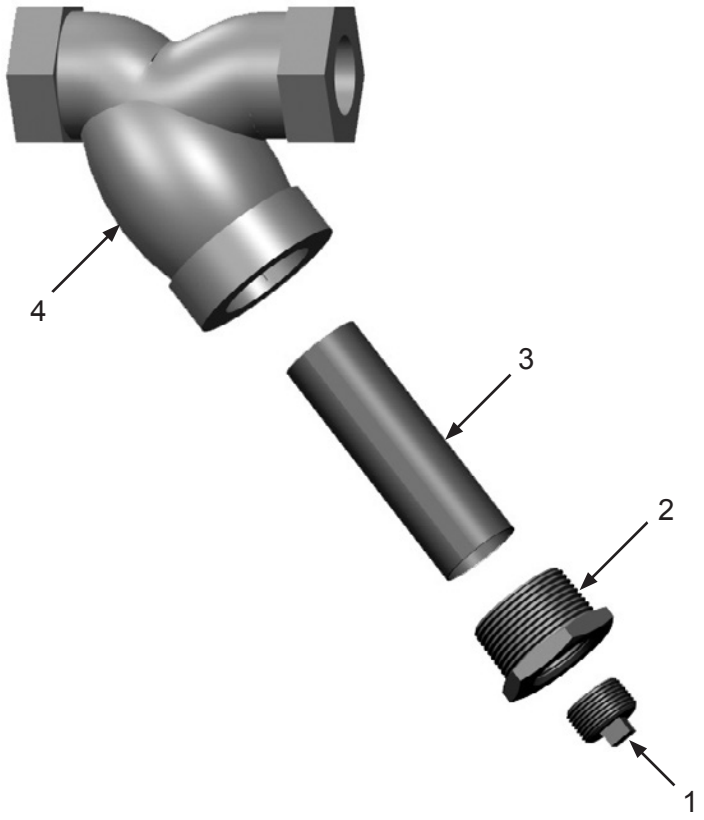
Item #	Part #	Description
Fig. 19		
—	**20101095**	**Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe for High Viscosity Liquid with 10:1 Transfer Pump – Complete**
1	20G256433	President® 10:1 Feed Pump
2	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
3	20100285	3/8" NPT 1/4" Male Quick Disconnect
4	20100286	3/8” NPT 1/4” Female Quick Disconnect
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
8	20100942	Tank Pump Spacer
9	20100932	Spraymaster® 25 Gallon Heated Coatings Tank 240-Volts AC Intrinsically Safe for High Viscosity Liquid
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V514	10:1 Ratio President® Pump
—	209V515	AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Figure 20: Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe for High Viscosity Liquid with 10:1 Transfer Pump



Item #	Part #	Description
Fig. 20		
—	**20101096**	**Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe for High Viscosity Liquid with 10:1 Transfer Pump – Complete**
1	20G256433	President® 10:1 Feed Pump
2	20PFHA60UA0606	3/8" NPT (M) X 3/8” (F) 90° Swivel Elbow
3	20100285	3/8" NPT 1/4" Male Quick Disconnect
4	20100286	3/8” NPT 1/4” Female Quick Disconnect
5	20PFHA60UA1616	1" NPT (M) X 1" (F) 90° Swivel Elbow
6	20101309	1” Wye Strainer
7	20PFHA24SA1612	1” X 3/4" NPT Hex Nipple
3	20100942	Tank Pump Spacer
9	20100933	Spraymaster® 25 Gallon Heated Coatings Tank 480-Volts AC Intrinsically Safe for High Viscosity Liquid
—	2091000	PC Sprayer Label Kit - Misc.
—	2091001	PC Sprayer Label Kit - A/B
—	209V510	Merkur® Displacement Pump
—	209V511	Graco® Feed and Solvent Flush Kits
—	209V514	10:1 Ratio President® Pump
—	209V515	AM Series Lubricated Air Motors
—	205M113	Features & Specifications Guide - Spraymaster® Heated Coating Tank
—	206M113	Part Numbers & Schematics Guide – Spraymaster® Heated Coating Tank
—	2090113	Operator's Manual – Spraymaster® Heated Coating Tank

Figure 21: Wye Strainer



Item #	Part #	Description
Fig. 21		
1	10DSHP75	3/4” Square Head Pipe Plug Galvanized
2	20101311	1-1/4” x 3/4” NPT Bushing
3	20101310	Strainer Screen
4	20101309	1” Y Strainer M20 Mesh

MAINTENANCE NOTES

DATE	TYPE OF SERVICE	PART NUMBER

MAINTENANCE NOTES

DATE	TYPE OF SERVICE	PART NUMBER

ADDITIONAL TECHNICAL DATA

The associations listed below offer information, materials and videos pertaining to abrasive blasting and safe operating practices.

- **American Society for Testing and Materials (ASTM)**
  100 Barr Harbor Drive
  West Conshohockon, PA 19428-2959
  Phone: (610) 832-9585
  FAX: (610) 832-9555
  www.astm.org
- **Occupational Safety & Health Administration (OSHA)**
  United States Department of Labor
  200 Constitution Avenue
  Washington, DC 20210
  Phone: (800) 321-OSHA
  (800) 321-6742
  www.osha.gov
- **The National Board of Boiler & Pressure Vessel Inspectors**
  1055 Crupper Avenue
  Columbus, Ohio 4322
  Phone: (614) 888-8320
  FAX: (614) 888-0750
  www.nationalboard.org
- **National Association of Corrosion Engineers (NACE)**
  1440 South Creek Drive
  Houston, TX 77084-4906
  Phone: (281) 228-6200
  FAX: (281) 228-6300
  www.nace.org
- **The Society for Protective Coatings (SSPC)**
  40-24th Street, 6th Floor
  Pittsburgh, PA 15222-4656
  Phone: (412) 281-2331
  FAX: (412) 281-9992
  www.sspc.org
- **American National Standards Institute (ANSI)**
  1899 L Street, NW, 11th Floor
  Washington, DC 20036
  Phone: (202) 293-8020
  FAX: (202) 293-9287
  www.ansi.org

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  fax: 563.324.6258

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