ADVANCED BLENDING SOLUTIONS LLC

Air Filtration Unit (DCU) - Operator's Manual

Supported Model Numbers

DCU-16-XXX-XXX-XXX-XXX-XXXX
DCU-24-XXX-XXX-XXX-XXX-XXXX
DCU-32-XXX-XXX-XXX-XXX-XXXX

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Warning Information

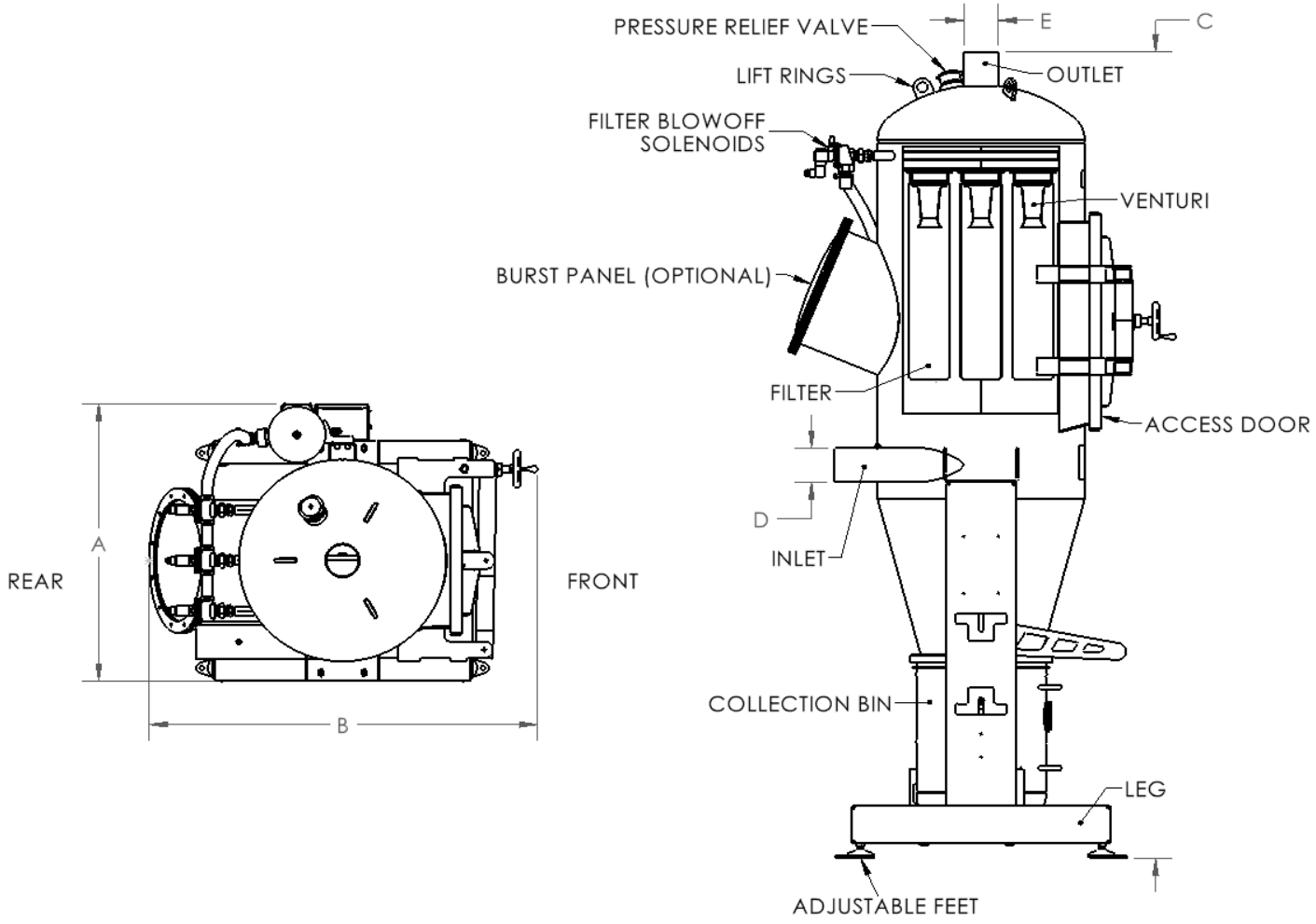
1. Read this manual completely as well as any other documentation included with your equipment before installation, operation, and maintenance.

2. Do NOT install or perform maintenance on the equipment without following the proper processes/procedures outlined in the Safety Information AND Installation Instructions sections.

General Information

Printed copies of this document are uncontrolled. To check for an updated version of this document, visit https://adv-blend.com/products/air-filtration/ or follow the QR code.

ABS Air Filtration Units use an array of filters to collect particles from the air before entering a vacuum pump to ensure cleanliness. Air enters the unit through the horizontal tube located at the rear, is filtered, and exits through the vertical tube on top. These units feature a robust body weldment available in three different sizes supported by mild steel bolt-on legs. Bodies are available in mild or stainless steel and are designed to optimize airflow and minimize restrictions. All units come standard with a large front door for easy filter access and filters secured by quick-release clamps for easy changing. When paired with ABS pump systems, users have the option to precisely monitor the pressure difference between the inlet and outlet. This allows for setting alarms and controlling cleaning cycles to ensure that only dirty filters are cleaned. ABS offers Air Filtration Units that are NFPA compliant for Hazard-Class combustible materials rated up to ST-2.



MODEL	A (WIDTH)		B (DEPTH)		C (HEIGHT)		D (INLET)		E (OUTLET)	
DCU-16	32.13 in	0.82 m	33.87 in	0.86 m	73.63 in	1.87 m	3.00 in	76.2 mm	2.50 in	63.5 mm
DCU-24	32.89 in	0.84 m	44.74 in	1.14 m	95.83 in	2.43 m	4.00 in	101.6 mm	4.00 in	101.6 mm
DCU-32	42.47 in	1.08 m	52.58 in	1.34 m	106.89 in	2.72 m	6.00 in	152.4 mm	6.00 in	152.4 mm

MODEL	APPROX. UNIT WEIGHT (DEPENDANT ON ORDER CODE)
DCU-16	350 LBS / 159 KG
DCU-24	500 LBS / 227 KG
DCU-32	900 LBS / 408 KG

Identification Information

The identification plate on the right side of the unit gives the following information:

(A) Equipment Series
(B) Submodel of Equipment Series
(C) Year of manufacture

The identification plate on the unit's surge tank gives the following information:

(A) Tank Identification Code
(B) Maximum Pressure Rating
(C) Working Temperature Range
(D) Internal Capacity
(E) Batch Identification Number

Intended Use

This unit is designed to be used in the conveying process of bulk materials with a minimum particle size of 10 microns, at vacuum levels up to 16 inches of Mercury. The unit does not require an operator to be present while in use and is not intended to be part of one's workstation. It is rated for indoor use only in a general purpose, non-hazardous, non-classified area. It is NOT rated for use in any area where explosion hazards due to combustible dusts or vapors may exist.

Declaration of Conformity

This equipment was designed and manufactured in accordance with the specifications of Directives 2006/42/EC, 2014/35/EU, 2014/30/EU, and 2014/29/EU. The declaration of conformity is included in Annex I.

Safety Information

Personnel must be instructed on protective devices, the risk of injuries and how to avoid them, and general safety laws and standards before working with this equipment. Be sure to follow all instructions and standards stated in this manual. Anyone intending to work on this unit must read and understand the entire contents of this manual beforehand. The work area must always be kept free of obstructions that would interfere with day-to-day and emergency operations.

> ***Warning:*** *It is imperative that no safety or security device on the equipment be removed or tampered with at any time. Should any safety or security device be removed or tampered with, the manufacturer refuses all responsibility for the security of the equipment.*

Safety Risks

All information in this manual is written with the intention of eliminating risks caused by the carelessness of anyone operating, working on, maintaining, or otherwise involved with the equipment in any way. If the equipment is used as directed under correct conditions, it does not exhibit the risks as specified in Directive 2006/42/EC.

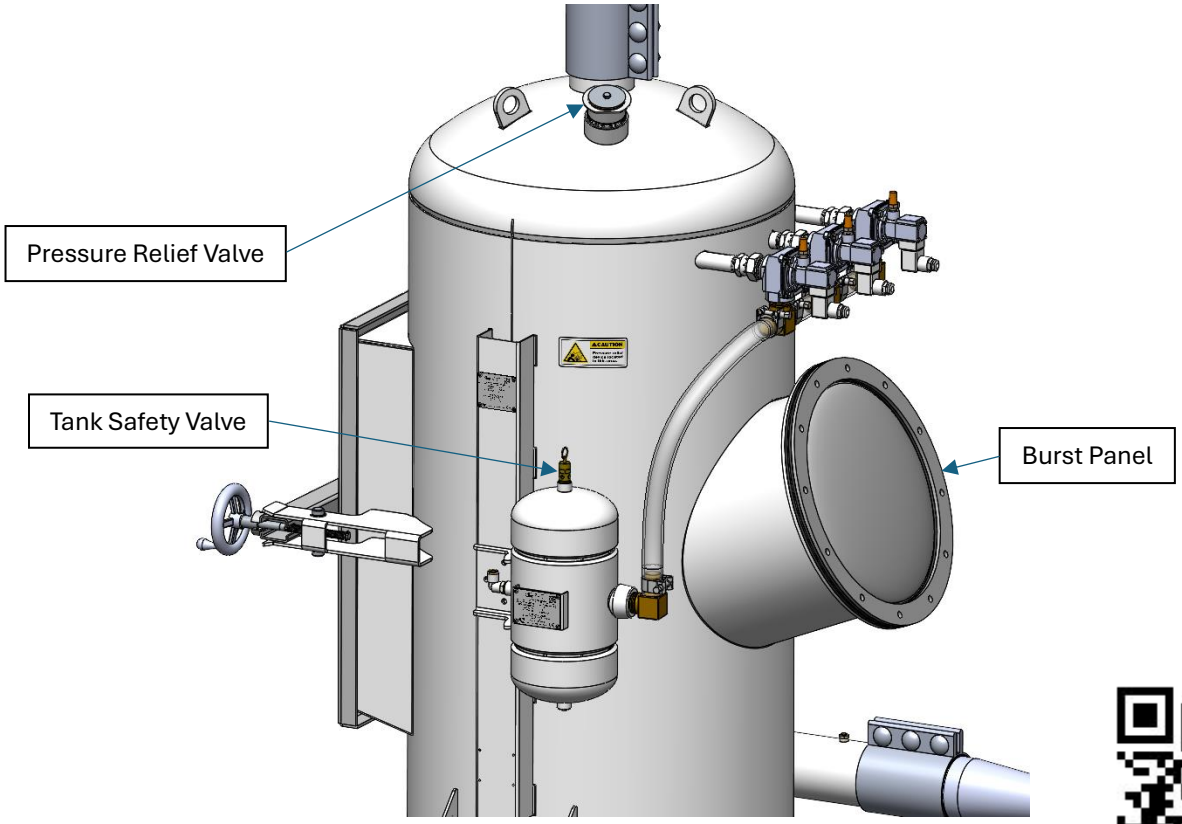
Sticker Information

- Located on front of unit below door
- Reminds operators to read all safety instructions before using equipment

- Located on right side of unit above surge tank
- Indicates the location of the tank safety valve and the unit's pressure relief valve

Safety Devices

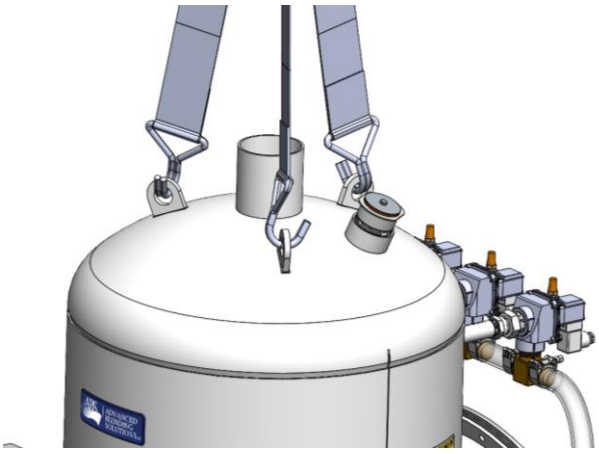
The safety and security devices present on the equipment protect against risk elements that can occur during normal operation. Never tamper with or remove these devices at any time.



To access the pressure relief valve operator's manual, find the link at https://adv-blend.com/products/air-filtration/ or follow the QR code.

Stability and Transport

- The unit must sit on a solid, level surface with all four feet contacting the surface at all times when not being lifted. The unit must be as level as possible by adjusting the feet on the bottom of the unit.
- While transporting the unit, place it on the center of a sturdy pallet large enough to support all four of the unit's feet. All four of the unit's feet must be bolted or otherwise sturdily attached to the pallet.
- While lifting the unit, attach a suitable cable or strap ONLY to the three lifting rings at the top of the unit as pictured. Lift slowly and straight upwards.



Noise and Vibration

If the equipment is installed by following all instructions in this manual properly, it poses no risk or hazard due to vibration. If the equipment is noticed to be emitting unusual noise or vibrations, stop using it immediately and contact ABS.

Installation Instructions

> ***Warning:*** *Installation must be completed by trained and/or qualified personnel, preferably someone familiar with the supplier's equipment or by the supplier themselves. Failure to follow this rule releases the manufacturer from all liability regarding people and/or things.*

Attention: To ensure safety of personnel, it is critical to follow the installation steps laid out in this section. See the diagram in the "General Information" section for reference.

Unloading and Unpacking

All equipment included with the Air Filtration Unit will be contained on a single pallet and packaged to prevent any type of damage during shipment. The packaging consists of a wooden pallet, wooden structural support on pallet, cardboard boxes with auxiliary equipment as deemed necessary, and plastic wrap or a wooden crate surrounding the equipment. Only proceed to the packaging removal steps once the Air Filtration Unit is positioned in an area near the installation site.

Steps to Remove Packaging

1. Remove the plastic wrap or wooden crate surrounding the equipment.
2. Remove any individual cardboard boxes containing auxiliary equipment and set aside for later use.
3. Remove structural supports used to stabilize the Air Filtration Unit during shipping.
4. Remove any fasteners that attach the Air Filtration Unit to the pallet.
5. Lift the Air Filtration Unit by the three lift rings or eye bolts on the top of the unit. Use a forklift or machine with suitably long forks along with lifting straps to connect to the three lift locations. It is recommended to only lift the Air Filtration Unit under the supervision of at least one qualified person.

Installation Location – Selection and Preparation

Move the Air Filtration Unit to the predetermined installation location where it will be connected to the vacuum pump.

Set Up

1. Set the Air Filtration Unit in place and level it by adjusting the included leveling feet as needed. Once level, try lowering and removing the collection bin to ensure proper adjustment. If the bin hangs up on the lifting pins or the body after being lowered, adjust the feet of the unit and/or the feet of bin to position the bin between the lifting pins and the body. Once the unit is leveled and adjusted properly, be sure to tighten the jam nuts on all feet. See below for machine clearance requirements.
    a. Allow for at least 1 meter (39 inches) of clearance on the sides and rear of the unit.
    b. Allow for at least 1.5 meters (59 inches) of clearance in front of the unit.
2. Secure the Air Filtration Unit using proper mounting hardware, i.e. bolts for mezzanine or concrete anchors.
3. Disconnect/turn off all energy sources to the vacuum pump to be used with the Air Filtration Unit and lock out/tag out all disconnection/shutoff points. (This step is only applicable to pump systems which are already installed.)
4. Connect the inlet of the Air Filtration Unit to the vacuum line servicing the facility. Then, connect the outlet of the unit to the line running to the vacuum pump inlet.
5. Connect the unit's solenoid wiring to the vacuum pump PLC per the pump's electrical drawings.
6. Supply compressed air to the air filter & regulator on the unit, then adjust the regulator to 90.0 psig. If the unit was ordered without an air filter & regulator but there is one on the vacuum pump it's being paired with, provide the filtered regulated air from the vacuum pump supply.
7. Inspect the installation to verify that all connections have been made and no steps have been missed.
8. Secure and clean up all equipment in the area. Remove any remaining lockout tags from all energy sources and resupply the system with power.

Burst Panel (If Applicable)

Should the burst panel need to be removed and reinstalled for any reason, be sure to follow the manufacturer's recommendations while doing so. Be sure that any necessary ventilation or ducting complies with the recommendations given in NFPA 68 suitable for up to the ST-2 hazard class.

Maintenance

Maintenance Schedule

Note: *Filter wear and level of cleanliness will depend on material types being vacuum conveyed as well as the frequency of operation. The below recommendations are meant to be used as a guideline for maintenance and may need to be adjusted to suit system requirements.*

Daily

- Visually inspect filters for signs of wear or failure, as well as level of cleanliness. (**Note:** *For less frequently used systems or contaminant free materials, a weekly visual inspection should be acceptable.*)
- While the door is open to inspect filters, check the condition of the door gasket. If the door gasket appears worn, damaged, or if a leak can be heard while the unit is under vacuum, contact ABS for a replacement. Refer to the "Door Gasket Replacement" section of Maintenance Procedures.
- Check the sight glass on the collection bin beneath the unit. If material has accumulated up to the sight glass, empty the collection bin following the steps in the "Maintenance Procedures" section. While emptying the bin, inspect the condition of the collection bin gasket. If the gasket appears worn, damaged, or if a leak can be heard while the unit is under vacuum, contact ABS for a replacement. Refer to the "Collection Bin Gasket Replacement" section of Maintenance Procedures.

Monthly

- Check the pressure relief valve at the top of the unit for the following:
    - Valve opens freely when pulled up by hand (When not under vacuum)
    - No contamination between the rubber seal and valve opening
    - Closes and seals fully when seal is released
    - Rubber seal shows no signs of wear or damage

Every 6 months

- Remove and clean filters. See the following "Filter Cleaning" section for how to properly clean filters. (**Note:** *Filters should be removed more frequently for cleaning if a dirty filter alarm is prevalent, even when the automated compressed air cleaning cycle is being used. The automated cleaning cycle is built into the Air Filtration Unit and will activate based on pressure readings taken from the vacuum system if the system is equipped.)*
- Inspect filters thoroughly for signs of wear or failure.
- Inspect the door bolt bushing for wear or damage. Unscrew the door bolt and check for cracks or missing fragments on the front face. Replace the bushing if damage is found. Check that there is at least 1/8" of bushing material between the head of the door bolt and the bushing holder of the door arm. Replace the bushing if worn past this thickness by following the steps in the "Maintenance Procedures" section.
- Inspect both the burst panel and the burst panel gasket for signs of wear or failure if the unit is equipped.
- Inspect the filter blowoff system for signs of wear or failure on the hoses, connections, solenoid valves, and wiring.

Every 1-2 years

- Replace filters. Replace them immediately if damaged, worn to a point where they no longer seal, or can no longer be cleaned effectively by manual means to avoid dirty filter alarms.

Maintenance Procedures

Filter Cleaning

> ***Caution:*** *Wear all necessary personal protective equipment while cleaning filters including safety glasses, hearing protection, gloves, and an adequate particle mask. Always follow all instructions of any equipment being used.*

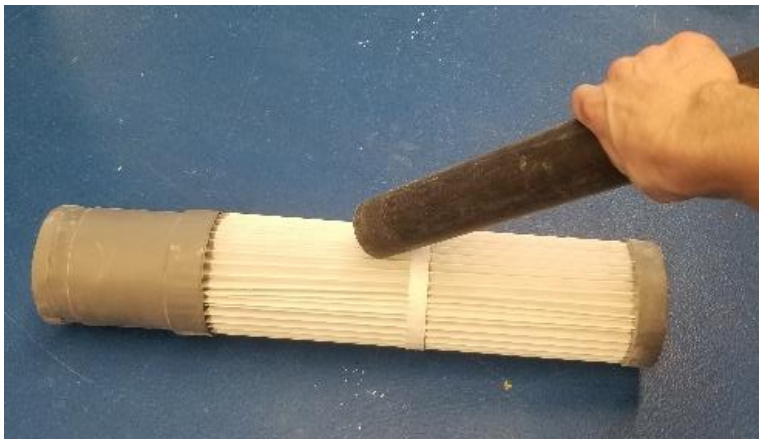
Filters should be cleaned using compressed air or vacuum suction methods. All other methods, including using water or striking them with a blunt object must NOT be used as they could result in damage to the filters.

Using Compressed Air

1. Remove the filters by following the steps in the “Removal” section of the Filter Replacement procedure.
2. In a well-ventilated area where it is safe to do so, use a blow gun to introduce air inside each filter. Rotate the blow gun in a circular motion and move in and out of the filter to clean as much of the filter media as possible.
3. Reinstall the filters following the steps laid out in the “Installation” section of Filter Replacement.

Using Vacuum

1. Remove the filters by following the steps in the “Removal” section of the Filter Replacement procedure.
2. Use the hose of a vacuum cleaner or other vacuum device to pull the contamination off the outside of each filter. Be careful not to press the hose too hard onto the filter material and cause damage.
3. Reinstall the filters following the steps laid out in the “Installation” section of Filter Replacement.



Filter Replacement

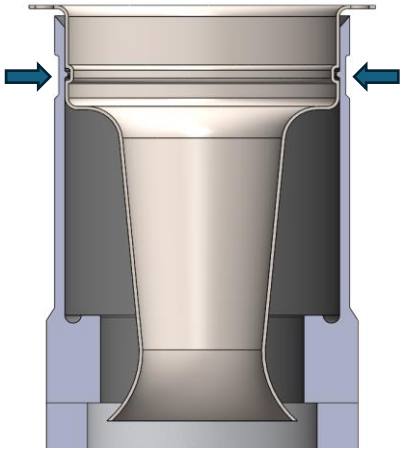
> ***Caution:*** *Wear all necessary personal protective equipment while replacing filters including gloves, safety glasses, and an adequate particle mask. Only use filters that meet the specifications defined in the Spare Part Specifications section.*

Removal

1. Disconnect, lock out, and tag out all power to the vacuum pump that the Air Filtration Unit is plumbed to.
2. Disconnect, lock out, and tag out all power to the Air Filtration Unit and drain compressed air stored on the unit.
3. Open the door by loosening the door bolt until it can pivot away from the door arm. It may be necessary to pull firmly on the door to overcome the vacuum sealing of the door gasket.

4. On each filter, pull open the release tab on the retaining clamp and remove the filter by pulling down firmly. Gently rocking the filter back and forth may be necessary. On pleated filters, grab them by the rubber top section and *not* by the filter media to avoid damage. If available, lay down rags or other forms of padding along the bottom edge of the door opening to avoid striking it with bare arms when the filter lets free.

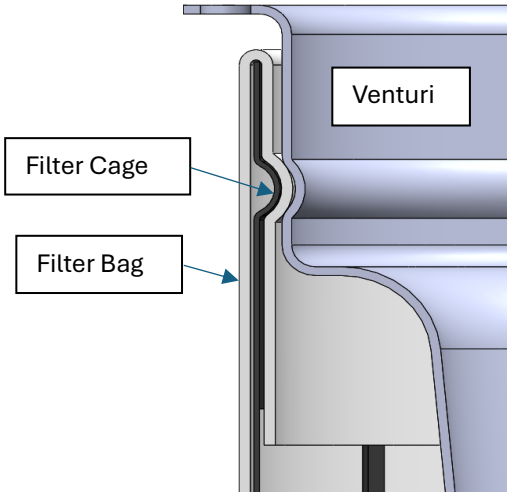
Installation (Pleated Filters)



1. Check that each venturi is clean prior to installing the new filters. Wipe off any dust buildup with a clean rag.
2. Remove the retaining clamp from each old filter and install one over the top rubber section of each new filter.
3. Install each filter following these steps. It will likely be easiest to start with the filters towards the rear of the unit and work towards the access door.
    a. Slide the filter over the venturi until the filter's molded inner lip locks into the venturi's groove as pictured.
    b. Seat the retaining clamp in the groove at the top of the filter's rubber section and rotate it so the release tab has room to swing open and closed. Push it closed to secure the filter. **Note:** *(The release tab should be mildly difficult to push closed to ensure proper tension on the filter. Adjust the clamp if necessary to have this tension by opening the clamp, tightening or loosening the adjusting screw, and testing the fit.)*
4. Close the door and tighten the door bolt into the door arm bushing until snug.
5. Repower the pump and Air Filtration Unit, resupply with compressed air, and return to use.
6. Check for audible air leaks once the unit is under vacuum.

Installation (Bag Filters)

1. Check that each venturi is clean prior to installing the new filters. Wipe off any dust buildup with a clean rag.
2. Remove the retaining clamp and filter bag from each cage.
3. Install a new filter bag over each cage and tuck the top of the bag into the cage as shown. Flatten each bag inside the cage as much as possible. Place each retaining clamp over the filter as it was previously.
4. Install each filter following these steps. It will likely be easiest to start with the filters towards the rear of the unit and work towards the access door.
    a. Slide the filter over the venturi until the rib of the filter cage locks into the venturi's groove as pictured. The fit will be tight, and it is recommended to push up on the filter from the bottom if possible. Gently rocking the filter back and forth may be necessary.
    b. Position the retaining clamp to allow roughly ¼" (6mm) of space between the top of the clamp and the mounting flange of the venturi. Rotate the clamp so the release tab has room to swing open and closed. Push it closed to secure the filter. **Note:** *(The release tab should be mildly difficult to push closed to ensure proper tension on the filter. Adjust the clamp if necessary to have this tension by opening the clamp, tightening or loosening the adjusting screw, and testing the fit.)*
5. Close the door and tighten the door bolt into the door arm bushing until snug.
6. Repower the pump and Air Filtration Unit, resupply with compressed air, and return to use.
7. Check for audible air leaks once the unit is under vacuum.



Emptying the Collection Bin

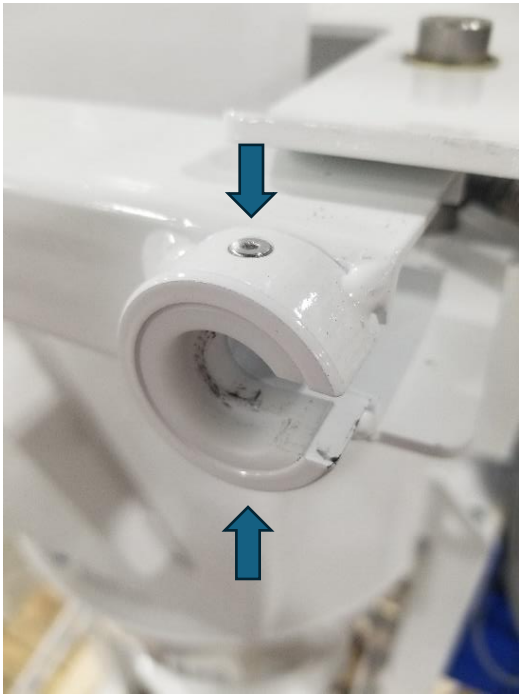
Warning: *Keep hands away from bin sealing surface and lift linkage while working with the collection bin.*

Caution: *Wear all necessary personal protective equipment while emptying the collection bin including safety glasses, gloves, and an adequate particle mask. Always follow all instructions of any equipment being used.*

1. Disconnect, lock out, and tag out all power to the vacuum pump that the Air Filtration Unit is plumbed to.
2. Disconnect, lock out, and tag out all power to the Air Filtration Unit and drain compressed air stored on the unit.
3. Pull upward on the linkage handle to lower the bin. Only move the handle as far as necessary so the bin can roll freely out from under the unit.
4. Remove the material that has accumulated in the bin. Common methods to accomplish this are using vacuum or holding the bin by its handles and dumping. Make sure this material is handled responsibly.
5. Place the bin back under the unit in its previous orientation. Make sure the handles and sight glass are facing the same direction as the door of the unit.
6. Roll the bin towards the rear of the unit until the lift brackets of the bin contact the lift pins.
7. Gradually apply downward pressure to the linkage handle to lift the bin back into place. It may be necessary to guide the bin while lifting. Avoid allowing the bin to tip forward or back causing the gasket to collide with the protective skirt around the seal surface.
8. Push the linkage handle downward until the lifting linkage locks. Check that the bin is held tightly by pulling on its handle and checking for movement. If the bin moves freely or is held too tightly where the linkage cannot fully lock, the linkage will need adjusting or the gasket will need replacing. Contact ABS if this is encountered.
9. If the bin passes the test described in Step 8, repower the pump and Air Filtration Unit and resupply compressed air. The unit can now be returned to use.
10. Check for audible air leaks once the unit is under vacuum.

Door Bushing Replacement

1. Disconnect, lock out, and tag out all power to the vacuum pump that the Air Filtration Unit is plumbed to.
2. Disconnect, lock out, and tag out all power to the unit and drain compressed air stored on the Air Filtration Unit.
3. Open the door by loosening the door bolt until it can pivot away from the door arm. It may be necessary to pull firmly on the door to overcome the vacuum sealing of the door gasket.
4. Remove the screws from the top and bottom of the bushing holder on the door arm as pictured.
5. Lightly work the bushing out of the bushing holder with a screwdriver or pick.
6. Wipe the inside of the bushing holder with a clean rag. Remove any foreign debris that will interfere with the bushing.
7. Insert the new bushing into the bushing holder in the orientation shown. Make sure the slot opening faces the door bolt and recess is facing outward.
8. Make sure the new bushing's holes line up with the screw holes in the bushing holder. Reinstall the screws in the top and bottom of the bushing holder. Tighten until snug.
9. Close the door and tighten the door bolt into the door arm bushing until snug.
10. Repower the pump and Air Filtration Unit, resupply with compressed air, and return to use.
11. Check for audible air leaks once the unit is under vacuum.



Door Gasket Replacement

1. Disconnect, lock out, and tag out all power to the vacuum pump that the Air Filtration Unit is plumbed to.
2. Disconnect, lock out, and tag out all power to the unit and drain compressed air stored on the Air Filtration Unit.
3. Open the door by loosening the door bolt until it can pivot away from the door arm. It may be necessary to pull firmly on the door to overcome the vacuum sealing of the door gasket.
4. Remove the gasket from around the doorway opening by pulling one of the straight sections towards the center of the opening. It's advised to pull on the outermost section of the gasket to aid in spreading the channel, lessening its grip. **Note:** *(If the gasket is stuck to the door opening, it's recommended to pry open the gasket's channel with a plastic prybar or other non-marring tool. Use of metal tools can damage the doorway's surface finish and compromise its sealing ability.)*

5. Wipe both sides of the door opening clean with a clean rag. If there is residue buildup around the door opening, it's recommended to use mild soap and water to remove. Dry thoroughly afterwards.
6. Compare the new gasket provided by ABS with the old gasket that was removed. Confirm that their profiles are similar and that the new gasket is cut to the same length as the old one.
7. Make sure there are no twists in the new gasket and use a high-quality superglue to join the two ends to form one consistent profile as shown. Follow all of the glue's instructions.
8. Once the glue has cured, position the gasket so the soft bulb side is facing outwards towards the door of the unit. Install the gasket by sliding its channel onto the inner edges of the door opening until fully seated. Apply pressure around the entire perimeter to ensure the entire gasket is seated. Discard the old gasket responsibly.
9. Close the door and tighten the door bolt into the door arm bushing until snug.
10. Repower the pump and Air Filtration Unit, resupply with compressed air, and return to use.
11. Check for audible air leaks once the unit is under vacuum. If a new gasket is found to leak, contact ABS.

Collection Bin Gasket Replacement

1. Disconnect, lock out, and tag out all power to the vacuum pump that the Air Filtration Unit is plumbed to.
2. Disconnect, lock out, and tag out all power to the unit and drain compressed air stored on the Air Filtration Unit.
3. Pull upward on the linkage handle to lower the bin. Only move the handle as far as necessary so the bin can roll freely out from under the unit.
4. Pull the bin out from the unit and remove the gasket from around the top edge. It's recommended to pull upwards on the channel section of the gasket while holding the bin down with the opposite hand. **Note:** *(If the gasket is stuck to the collection bin, it's recommended to pry open the gasket's channel with a plastic prybar or other non-marring tool. Use of metal tools can damage the bin's surface finish and compromise its sealing ability.)*

5. Wipe the inside and outside of the bin's top edge clean with a clean rag. If there is residue buildup around this edge, it's recommended to use mild soap and water to remove. Dry thoroughly afterwards.
6. Compare the new gasket provided by ABS with the old gasket that was removed. Confirm that their profiles are similar and that the new gasket is cut to the same length as the old one.
7. Make sure there are no twists in the new gasket and use a high-quality superglue to join the two ends to form one consistent profile as shown. Follow all of the glue's instructions.
8. Once the glue has cured, position the gasket so the soft bulb side is facing upwards towards the unit. Install the gasket by sliding its channel onto the top edge of the bin until fully seated. Apply pressure around the entire perimeter to ensure the entire gasket is seated. Discard the old gasket responsibly.
9. Place the bin back under the unit in its previous orientation. Make sure the handles and sight glass are facing the front of the unit.
10. Roll the bin towards the rear of the unit until the lift brackets of the bin contact the lift pins.

11. Gradually apply downward pressure to the linkage handle to lift the bin back into place. It may be necessary to guide the bin while lifting. Avoid allowing the bin to tip forward or back causing the gasket to collide with the protective skirt around the seal surface.
12. Push the linkage handle downward until the lifting linkage locks. Check that the bin is held tightly by pulling on its handle and checking for movement. If the bin moves freely or is held too tightly where the linkage cannot fully lock, the linkage will need adjusting or the gasket will need replacing. Contact ABS if this is encountered.
13. If the bin passes the test described in Step 8, repower the pump and Air Filtration Unit and resupply compressed air. The unit can now be returned to use.
14. Check for audible air leaks once the unit is under vacuum. If a new gasket is found to leak, contact ABS.

Filter Regulator and Pressure Surge Tank Fluid Draining

If the compressed air supply is known or found to have moisture, then the pressure surge tank may need to be drained of the accumulated fluid. The filter regulator is meant to separate moisture from the compressed air supply and if the compressed air has moisture, it will accumulate in the clear lower canister. Please note the filter regulator will automatically drain the fluid if it fills the canister enough. A mechanical float will allow fluid to drain from the bottom port of the clear canister. It is recommended to place a container below the filter regulator to catch the fluid if compressed air moisture is known to exist.

1. Disconnect, lock out, and tag out all power to the vacuum pump that the Air Filtration Unit is plumbed to.
2. Disconnect, lock out, and tag out all power to the Air Filtration Unit and drain compressed air stored on the Air Filtration Unit.
3. To drain the filter regulator fluid collection canister:
    a. Ensure the compressed air is exhausted by turning the shut off valve clockwise to the “Exhaust” position. The gauge should read zero.
    b. Pull down on the slide located on the front of the clear canister and twist the canister in either direction to release it from the filter regulator body.
    c. Pull down on the entire clear canister to release it from the filter regulator body so it can be drained of fluid and cleaned as needed.
    d. Install the clear canister by pushing it back into the filter regulator body and then twisting it back to the center position until the slide clicks back up into position.

4. To drain the pressure surge tank:
    a. Pull upward on the ring on top of the safety valve located in the top port of the pressure surge tank to ensure all compressed air has been drained from the Air Filtration Unit.
    b. With a container ready to catch any draining fluid, remove the pipe plug located in the bottom port of the pressure surge tank to allow any fluid to drain.
    c. Install the pipe plug in the bottom port of the pressure surge tank. Use thread tape or pipe thread compound and properly tighten the plug to ensure an air-tight seal.
5. Repower the pump and Air Filtration Unit, resupply with compressed air, and return to use.

Troubleshooting

Symptom	Possible Alarm Message	Probable Cause	Corrective Action	Secondary Action (If Corrective Action doesn't remedy issue)
Pump isn't reaching the intended vacuum level Hiss sound is heard while unit is under vacuum	"Loading problem on Blender X Hopper Y" 6-digit code ending in 11	Leak in system	Check all sealing areas on unit for audible, visible, or tangible leaks. These areas include following: • Door gasket • Collection bin gasket • Burst panel gasket • Line connections • Pressure relief valve • Lid gasket on DCU-32 Repair any leaks found or contact ABS.	Contact ABS
Pump is reaching too high of a vacuum level System isn't reaching the intended vacuum level Pump's vacuum relief valve is constantly opening	"Pump X Dust Collector Filter Socks Dirty Alarm" "Pump X High Vac Alarm" 3 or 4-digit code ending in 03 or 04	Air flow blockage Dirty Filters	Open door and check unit for blockages. Check filters for cleanliness by following the steps in the Maintenance section of this manual. Clean filters if necessary.	Contact ABS
Unit's pressure relief valve emits air for a long period of time		Stuck solenoid valve on filter cleaning system	Repair or replace solenoid valve	Contact ABS
Door won't open Collection bin won't drop from unit		Unit is still under vacuum	Verify that pump is powered down prior to servicing unit. If gasket surfaces still won't separate, pull firmly on door or bin to break residual vacuum seal	Contact ABS
The prox switch near the bottom of the air filtration unit has become covered	"Pump X Dust Collector Full Alarm" 3 or 4-digit code ending in 05	Prox switch not operating properly Prox switch unplugged Collection bin is full	Empty collection bin	Contact ABS

Spare Part Specifications

Each unit will come with only one type of filter. The filter type will be given as either “PLT” or “BAG” in the unit’s order code.

Pleated Filter (ABS Part No. 3000586-01)

DCU-XXX-XXX-XXX-PLT-XXXX

Construction:	Fine Denier, Spunbond Polyester
Fiber Composition:	100% Polyester
Weight:	8 oz/sq. yd. nom.
Thickness:	0.025”
Temperature Rating:	275° F continuous to 300° F surge
Permeability:	25-30 CFM @ 0.5” W.G.
Filtration Efficiency:	90% @ 10 micron
Mullen Burst:	388 PSI min.
Surface Area:	6 sq ft

Bag Filter (ABS Part No. 3000586)

DCU-XXX-XXX-XXX-BAG-XXXX

Fiber Composition:	16 oz polyester singed felt
Industry Basis Weight, (ASTM D-461-93):	14.7-16.3 oz/yd^2
Thickness, (ASTM D-1777):	0.060”-0.080”
Temperature Rating:	Continuous 275° F, Surge 325° F
Average Air Permeability (ASTM D-737):	25-35 CFM
Filtration Efficiency:	99.2% @ 10 micron
Mullen Burst Strength, (ASTM D-3786):	600 psi
Surface Area:	2.7 sq ft
Stability:	Max 2% residual shrink, max 2% residual stretch
Tensile Test Method (ASTM D-461-2):	2” strip, Length 330 lbs, Cross 185 lbs

Recommended Spare Parts List

DCU-16				
PART NO.	QTY	DESCRIPTION	SHOWN ON DRAWING	ITEM NO.
3000586*	4	BAG, FILTER, B/UNLOAD 4.63X27 FWA-0536	DCU-16 (Not included in manual)	N/A
3000586-01*	4	PLEATED FILTER,4.19"VENTURI MNT,23.75"L	DCU-16 (Not included in manual)	N/A
3004403	3.67 ft	BULB SEAL,"A" SIDE,3/16"PANEL,15/32"BULB	DCU-16-XXX-XXX-XXX-XXX-XXXX	8
8110407	1	BUSHING, DOOR LATCH, DCU, DELRIN PLASTIC	DCU-16-XXX-XXX-XXX-XXX-XXXX	9
9002256	1	FILTER REGULATOR,AW30,L/O,2-3/8MPT/TUBE	DCU-16-XXX-XXX-XXX-XXX-XXXX	26
1000186	4	CLAMP,QUCK-RLEAS WRM-DRV,3.5"-5.38"ID,ZN	DCU-16-XXX-XXX-XXX-XXX-XXXX	29
3004768	4 ft	TRIM SEAL,.43"BULB,.12"EDGE,BLACK,EPDM	8145191	5

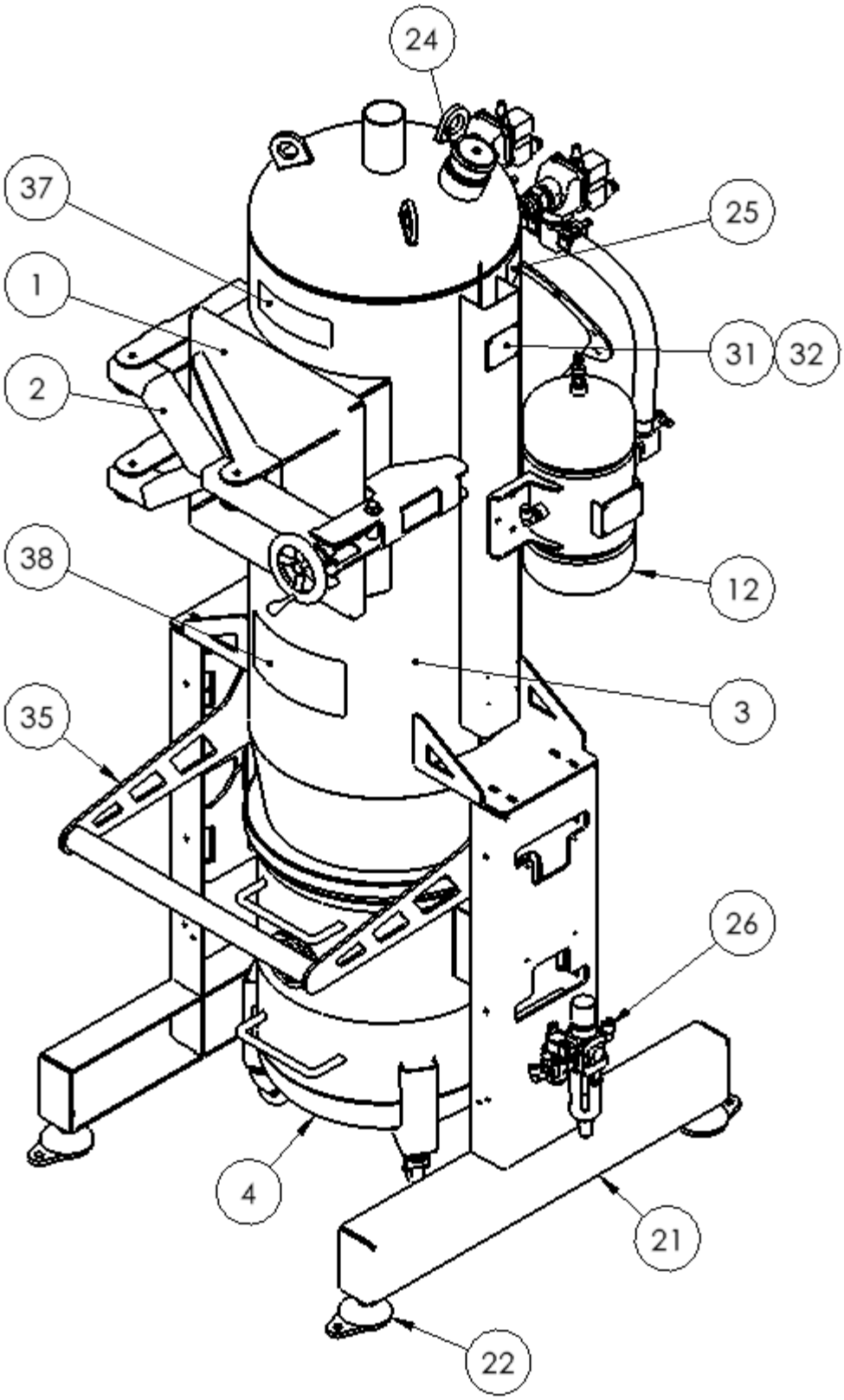
DCU-24				
PART NO.	QTY	DESCRIPTION	SHOWN ON DRAWING	ITEM NO.
3000586*	9	BAG, FILTER, B/UNLOAD 4.63X27 FWA-0536	DCU-24 (Not included in manual)	N/A
3000586-01*	9	PLEATED FILTER,4.19"VENTURI MNT,23.75"L	DCU-24 (Not included in manual)	N/A
8110407	1	BUSHING, DOOR LATCH, DCU, DELRIN PLASTIC	DCU-24-XXX-XXX-XXX-XXX-XXXX	25
3004403	5.83 ft	BULB SEAL,"A" SIDE,3/16"PANEL,15/32"BULB	DCU-24-XXX-XXX-XXX-XXX-XXXX	26
9002256	1	FILTER REGULATOR,AW30,L/O,2-3/8MPT/TUBE	DCU-24-XXX-XXX-XXX-XXX-XXXX	28
1000186	9	CLAMP,QUCK-RLEAS WRM-DRV,3.5"-5.38"ID,ZN	DCU-24-XXX-XXX-XXX-XXX-XXXX	34
3004768	4 ft	TRIM SEAL,.43"BULB,.12"EDGE,BLACK,EPDM	8145191	5

DCU-32				
PART NO.	QTY	DESCRIPTION	SHOWN ON DRAWING	ITEM NO.
3000586*	16	BAG, FILTER, B/UNLOAD 4.63X27 FWA-0536	DCU-32 (Not included in manual)	N/A
3000586-01*	16	PLEATED FILTER,4.19"VENTURI MNT,23.75"L	DCU-32 (Not included in manual)	N/A
8110407	1	BUSHING, DOOR LATCH, DCU, DELRIN PLASTIC	DCU-32-XXX-XXX-XXX-XXX-XXXX	27
3004403	7.25 ft	BULB SEAL,"A" SIDE,3/16"PANEL,15/32"BULB	DCU-32-XXX-XXX-XXX-XXX-XXXX	28
9002256	1	FILTER REGULATOR,AW30,L/O,2-3/8MPT/TUBE	DCU-32-XXX-XXX-XXX-XXX-XXXX	30
1000186	16	CLAMP,QUCK-RLEAS WRM-DRV,3.5"-5.38"ID,ZN	DCU-32-XXX-XXX-XXX-XXX-XXXX	36
3004768	5.25 ft	TRIM SEAL,.43"BULB,.12"EDGE,BLACK,EPDM	8145194	5

* Each unit will come with only one type of filter. The filter type will be given as either “PLT” or “BAG” in the unit’s order code. See Spare Part Specifications for more information.

Illustrated Parts List

DCU-16-XXX-XXX-XXX-XXX-XXXX



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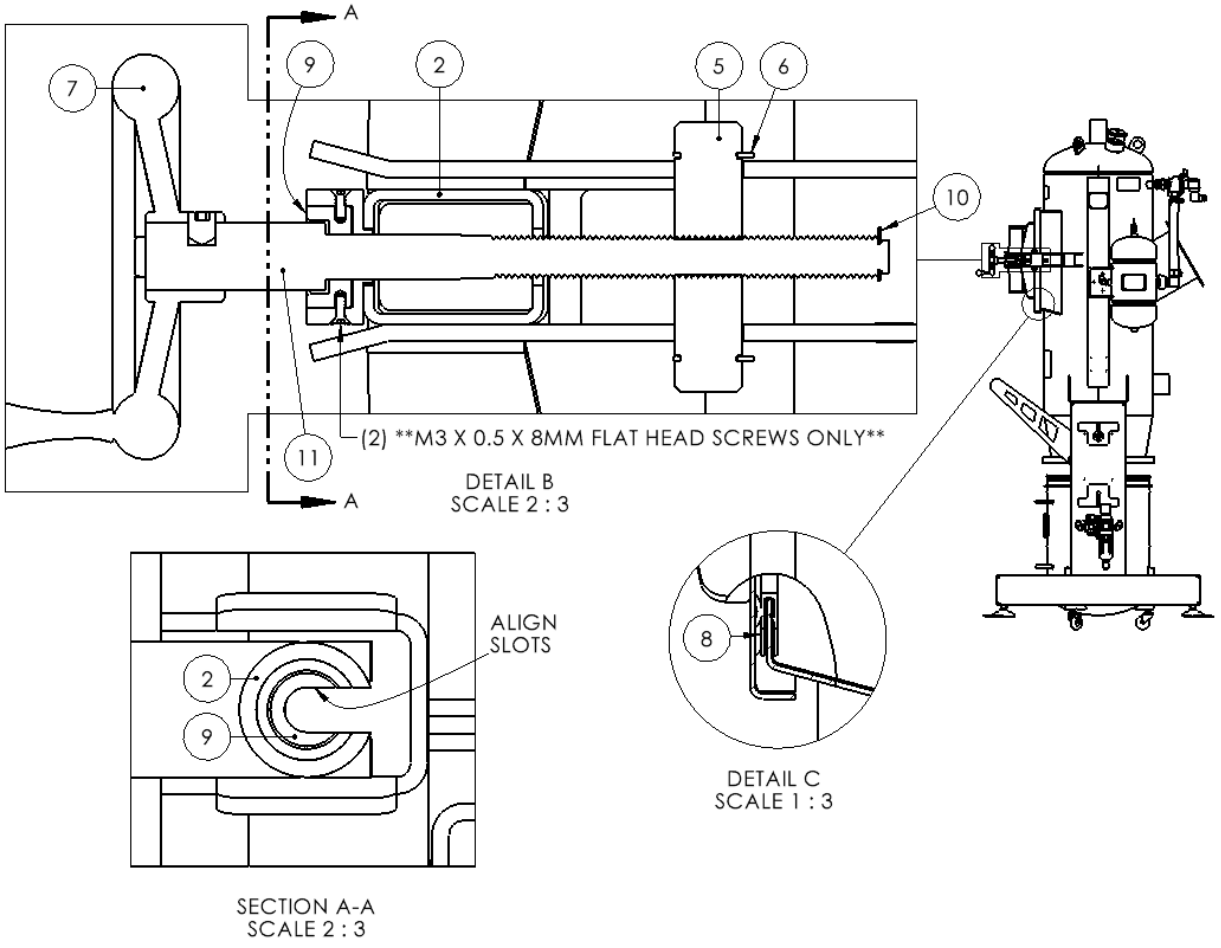

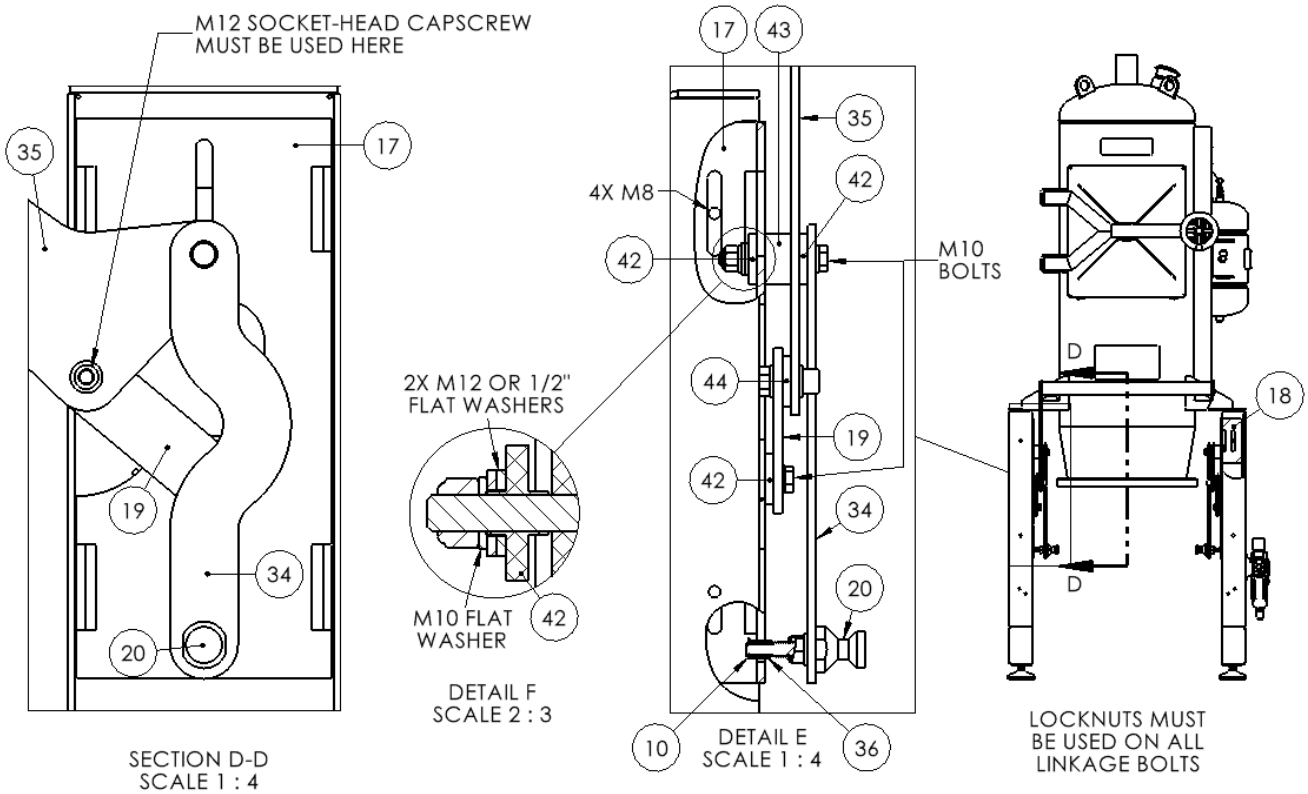

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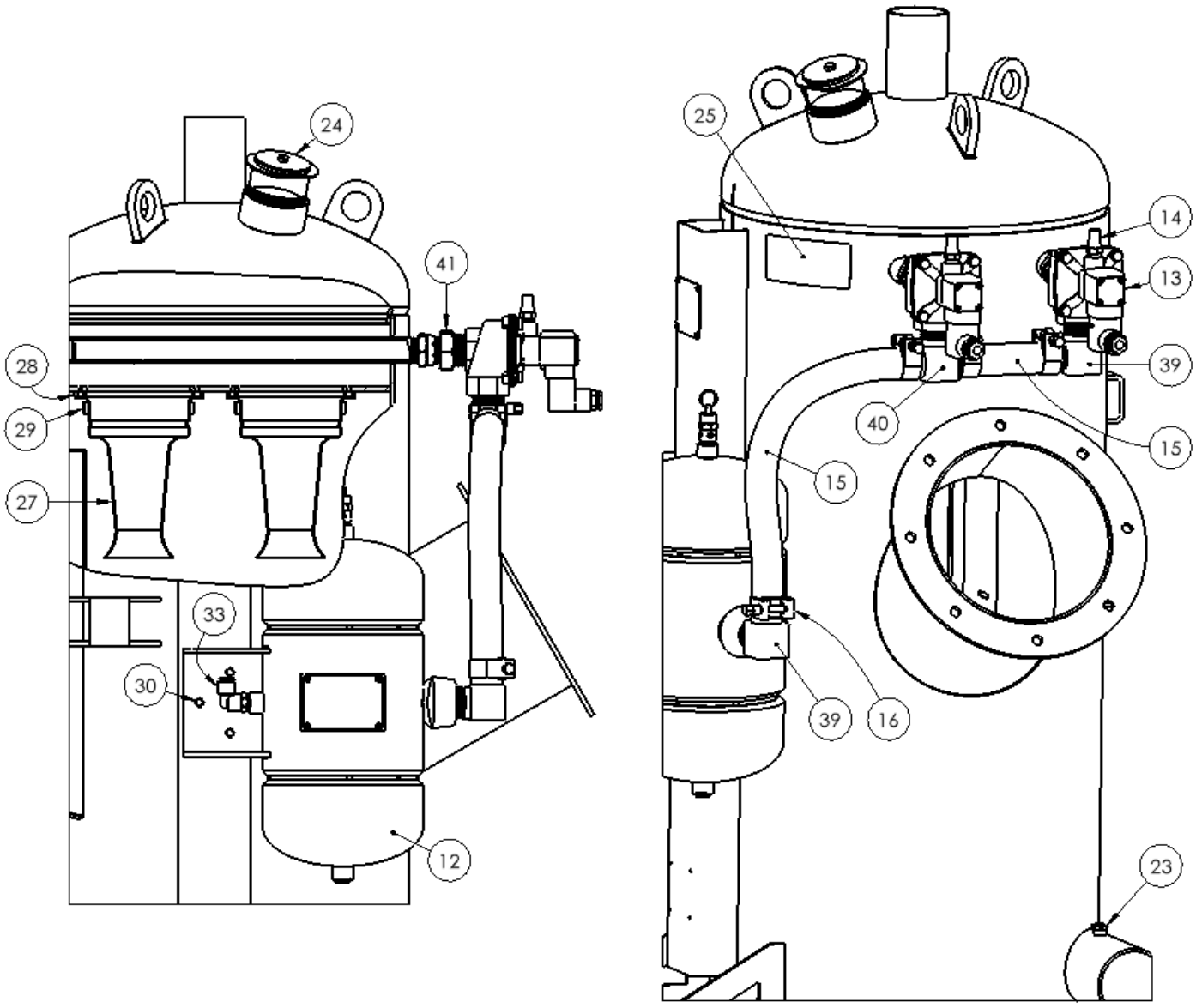
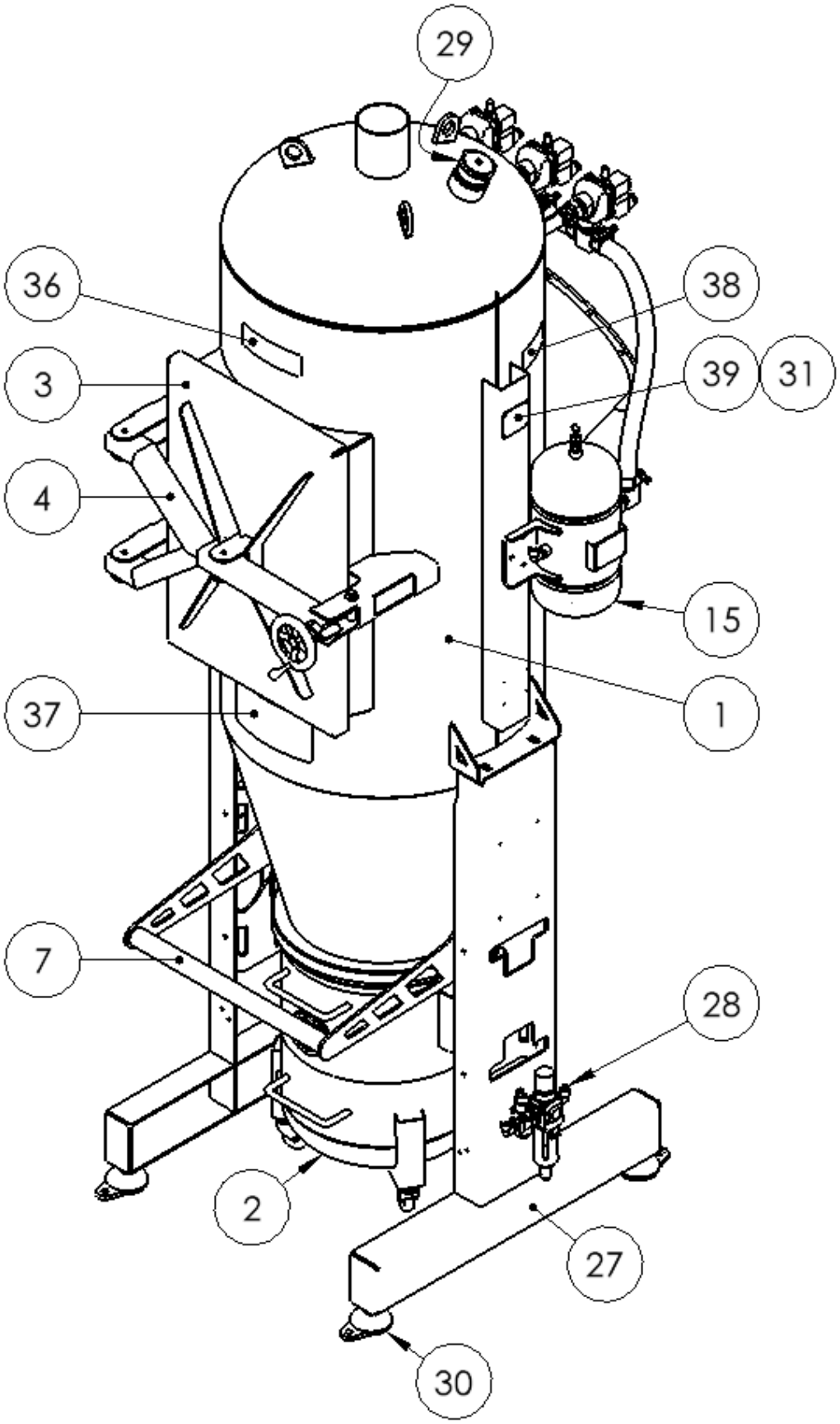


DCU-16 PARTS LIST			
44	2	8110093	BUSHING, NON-SLEEVE, BIN LINKAGE, DCU
43	2	8110460	BUSHING, LARGE, BIN LINKAGE, DCU
42	6	8110459	BUSHING, SLEEVED, BIN LINKAGE, DCU
41	2	3005090	REDUCER,3/4NPSM FEMALE,1NPT MALE,SWVL,Zn
40	1	3005091	HYDRANT TEE,1NPT MALE,(2) 1"BARB,BRONZE
39	2	3005092	HYDRANT ELBOW,1NPT MALE,1"BARB,BRONZE
38	1	3005016	STICKER, WARNING, 4"X 8", "READ MANUAL"
37	1	3004993	EMBLEM, ABS LOGO, 6.23" X 2", STICK-ON
36	.625" 2X	3005006	TUBE,NYLON,1/2" OD,3/8" ID,WEAR-RESIST
35	1	8145203-01	WELDMENT,HANDLE,DCU-16,COLLECTION BIN LINKAGE
34	2	8110416-01	LIFT LINK, DCU, COLLECTION BIN LINKAGE
33	1	3000508	FITTING,SWIVEL,Q/C,90,3/8 T,3/8NPT
32	4	3003585	RIVET, BLIND, 1/8", .337"L
31	1	8110420	DATA PLATE, DCU-16, CE MARKED
30	3	3004905	RIVET NUT,M8X1.25, ZINC-PLATED,0.7MM-3.8
29	4	1000186	CLAMP,QUCK-RLEAS WRM-DRV,3.5"-5.38"ID,ZN
28	4	8110020	GASKET, VENTURI , DCU-32
27	4	8110010	VENTURI,DRILLED,MIKRO,SPUN, GALVANIZED
26	1	9002256	FILTER REGULATOR,AW30,L/O,2-3/8MPT/TUBE
25	1	3000006	LABEL,PRESSURE RELIEF, 4-1/4 X 1-7/8
24	1	8075255	VALVE, PRESSURE RELIEF, 1 PSI, 2" NPT
23	1	3000473	FITTING,Q/C STRAIGHT 1/4”X1/4”NPT SMC
22	4	8300028M	LEVELING FOOT,103mmOAH,70mmTHRD,M12x1.75
21	2	8145208-01	LEG WELDMENT,DCU-16,BOLT-ON
20	2	8110412-02	LIFT PIN, COLLECTION BIN, DCU
19	2	8110415-01	LEG-TO-HANDLE LINK, DCU BIN LINKAGE
18	1	8110413-01	MOUNT PLATE, BIN LINKAGE, DCU, RIGHT
17	1	8110414-01	MOUNT PLATE, BIN LINKAGE, DCU, LEFT
16	4	3004988	HOSE CLAMP,BOLT STYLE,1 7/32-1 5/16,SS
15	18.88"	3004959	HOSE,BRAIDED,PVC,1" ID,5/32"WALL,120 PSI
14	2	3001228	MUFFLER, 1/4" NPT
13	2	1000440	SOLENOID VALVE,DCU PULSE,1" PORTS,24VDC
12	1	PV-57-100-5P-1P	ASSEM.,SURGE TANK,100 PSI,5.7L,6" DIA,MS
11	1	8110067M	BOLT, DOOR LATCH, DCU
10	3	3004974	RETAINING RING,3/8 SHFT,.035 THK,ZINC
9	1	8110407	BUSHING, DOOR LATCH, DCU, DELRIN PLASTIC
8	44"	3004403	BULB SEAL,"A" SIDE,3/16"PANEL,15/32"BULB
7	1	3002655	HAND WHEEL, 4 SPOKE, 4.5" OD .75" ID,
6	2	3000802	EXTERNAL RETAINING RING, .75"OD, ZINC
5	1	8110066M	SWIVEL NUT, DOOR LATCH, DCU
4	1	8145191	WASTE COLLECTION BIN ASM,DCU-16/24
3	1	8145196	WELDMENT, BODY, DCU-16
2	1	8145200	DOOR ARM, DCU-16, W/BUSHING HOLDER
1	1	8145197	WELDMENT, DOOR , DCU-16
ITEM NO.	QTY	PART NUMBER	DESCRIPTION

DCU-24-XXX-XXX-XXX-XXX-XXXX



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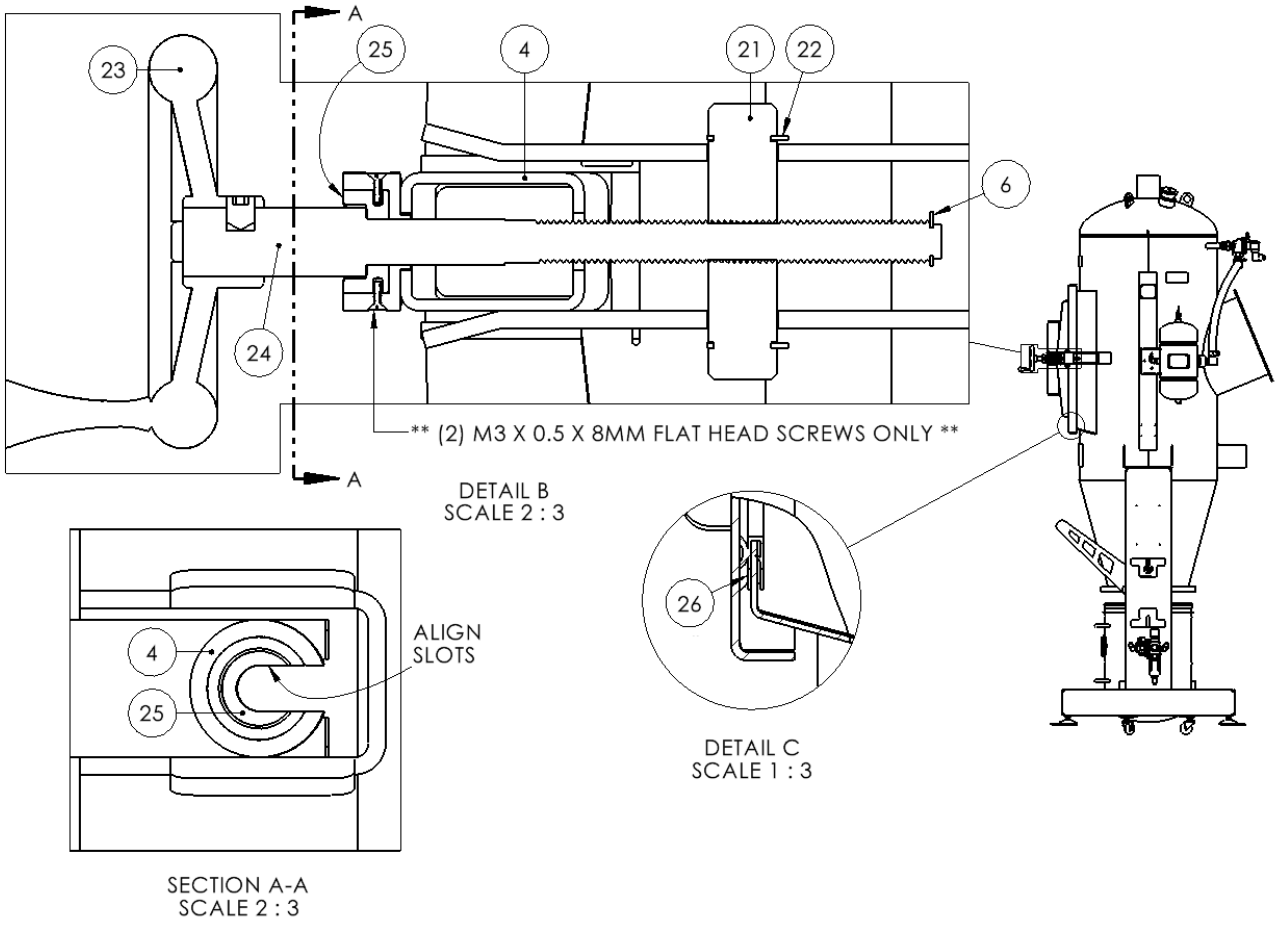

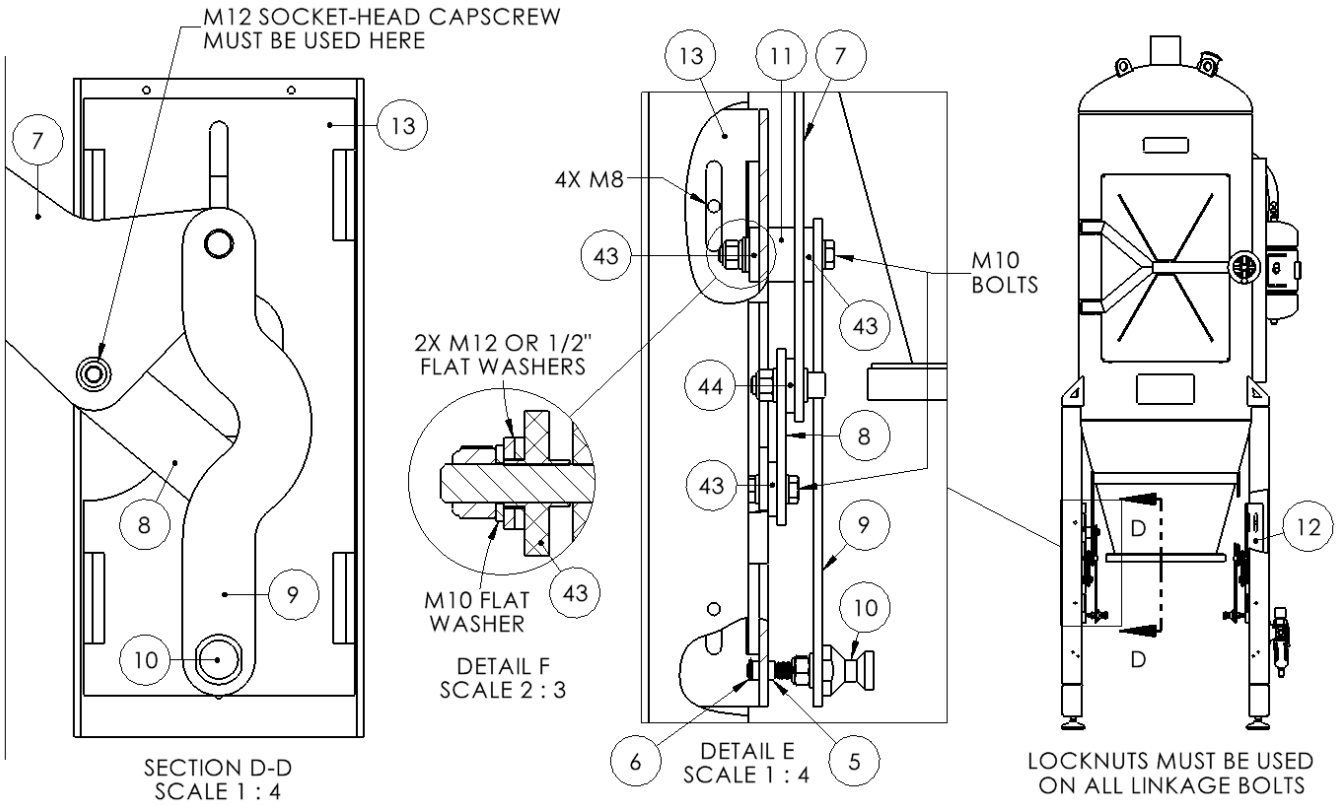

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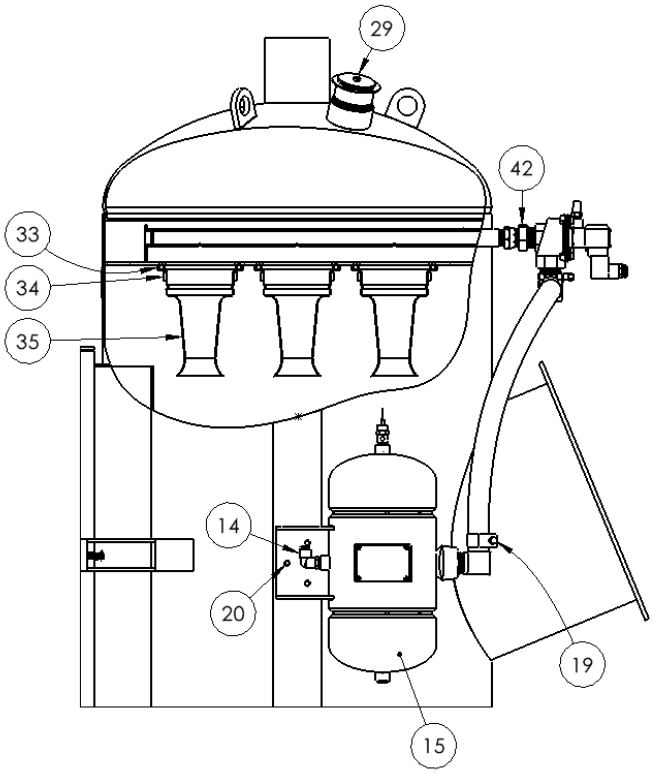
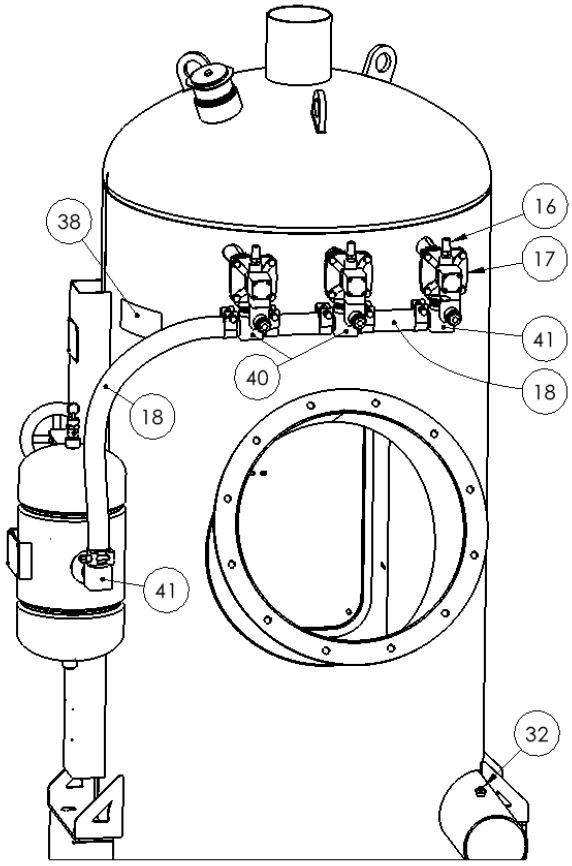
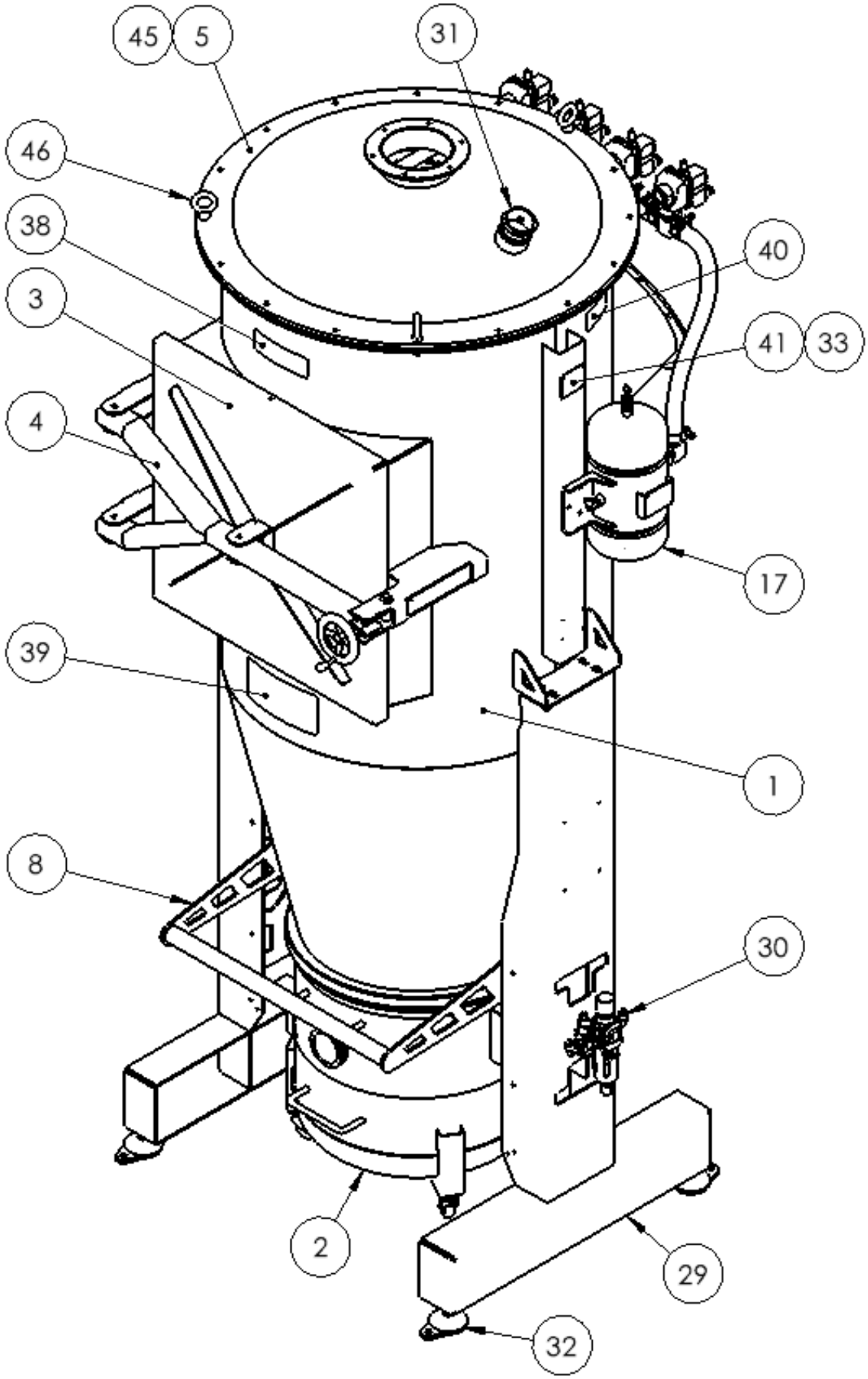




DCU-24 PARTS LIST			
44	2	8110093	BUSHING, NON-SLEEVE, BIN LINKAGE, DCU
43	6	8110459	BUSHING, SLEEVED, BIN LINKAGE, DCU
42	3	3005090	REDUCER,3/4NPSM FEMALE,1NPT MALE,SWVL,Zn
41	2	3005092	HYDRANT ELBOW,1NPT MALE,1"BARB,BRONZE
40	2	3005091	HYDRANT TEE,1NPT MALE,(2) 1"BARB,BRONZE
39	1	8110438	DATA PLATE, DCU-24, CE MARKED
38	1	3000006	LABEL,PRESSURE RELIEF, 4-1/4 X 1-7/8
37	1	3005016	STICKER, WARNING, 4"X 8", "READ MANUAL"
36	1	3004993	EMBLEM, ABS LOGO, 6.23" X 2", STICK-ON
35	9	8110010	VENTURI,DRILLED,MIKRO,SPUN, GALVANIZED
34	9	1000186	CLAMP,QUCK-RLEAS WRM-DRV,3.5"-5.38"ID,ZN
33	9	8110020	GASKET, VENTURI , DCU-32
32	1	3000473	FITTING,Q/C STRAIGHT 1/4”X1/4”NPT SMC
31	4	3003585	RIVET, BLIND, 1/8", .337"L
30	4	8300028M	LEVELING FOOT,103mmOAH,70mmTHRD,M12x1.75
29	1	8075255	VALVE, PRESSURE RELIEF, 1 PSI, 2" NPT
28	1	9002256	FILTER REGULATOR,AW30,L/O,2-3/8MPT/TUBE
27	2	8145207-01	LEG WELDMENT, DCU-24, BOLT-ON
26	70"	3004403	BULB SEAL,"A" SIDE,3/16"PANEL,15/32"BULB
25	1	8110407	BUSHING, DOOR LATCH, DCU, DELRIN PLASTIC
24	1	8110067M	BOLT, DOOR LATCH, DCU
23	1	3002655	HAND WHEEL, 4 SPOKE, 4.5" OD .75" ID,
22	2	3000802	EXTERNAL RETAINING RING, .75"OD, ZINC
21	1	8110066M	SWIVEL NUT, DOOR LATCH, DCU
20	3	3004905	RIVET NUT,M8X1.25, ZINC-PLATED,0.7MM-3.8
19	6	3004988	HOSE CLAMP,BOLT STYLE,1 7/32-1 5/16,SS
18	31"	3004959	HOSE,BRAIDED,PVC,1" ID,5/32"WALL,120 PSI
17	3	1000440	SOLENOID VALVE,DCU PULSE,1" PORTS,24VDC
16	3	3001228	MUFFLER, 1/4" NPT
15	1	PV-57-100-5P-1P	ASSEM.,SURGE TANK,100 PSI,5.7L,6" DIA,MS
14	1	3000508	FITTING,SWIVEL,Q/C,90,3/8 T,3/8NPT
13	1	8110414-01	MOUNT PLATE, BIN LINKAGE, DCU, LEFT
12	1	8110413-01	MOUNT PLATE, BIN LINKAGE, DCU, RIGHT
11	2	8110460	BUSHING, LARGE, BIN LINKAGE, DCU
10	2	8110412-02	LIFT PIN, COLLECTION BIN, DCU
9	2	8110416-01	LIFT LINK, DCU, COLLECTION BIN LINKAGE
8	2	8110415-01	LEG-TO-HANDLE LINK, DCU BIN LINKAGE
7	1	8145203-01	WELDMENT,HANDLE,DCU-16,COLLECTION BIN LINKAGE
6	3	3004974	RETAINING RING,3/8 SHFT,.035 THK,ZINC
5	.625" 2X	3005006	TUBE,NYLON,1/2" OD,3/8" ID,WEAR-RESIST
4	1	8145210	DOOR ARM, DCU-24, W/BUSHING HOLDER
3	1	8145211	WELDMENT, DOOR , DCU-24
2	1	8145191	WASTE COLLECTION BIN ASM,DCU-16/24
1	1	8145205	WELDMENT, BODY, DCU-24, BIN
ITEM NO.	QTY	PART NUMBER	DESCRIPTION

DCU-32-XXX-XXX-XXX-XXX-XXXX



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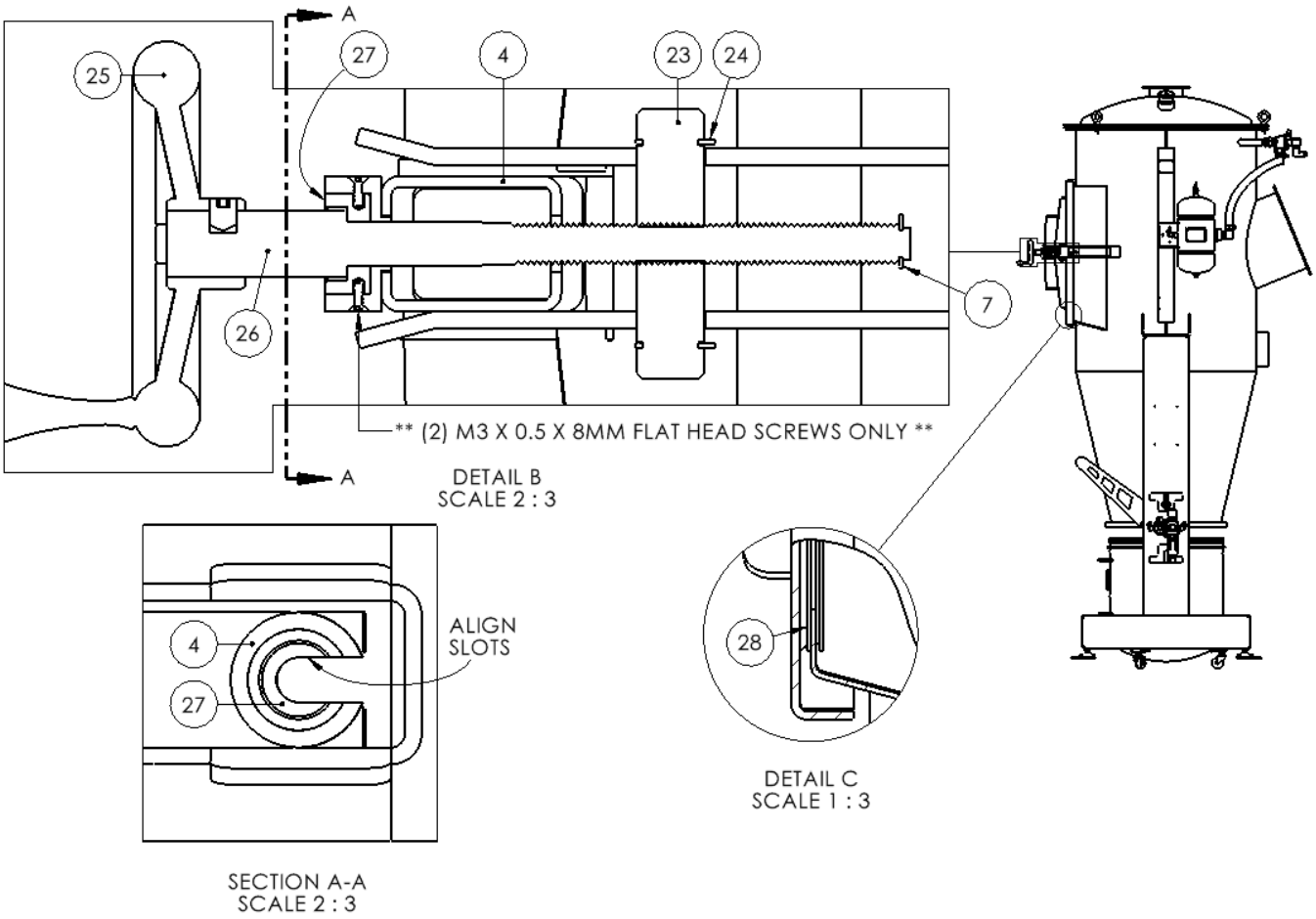

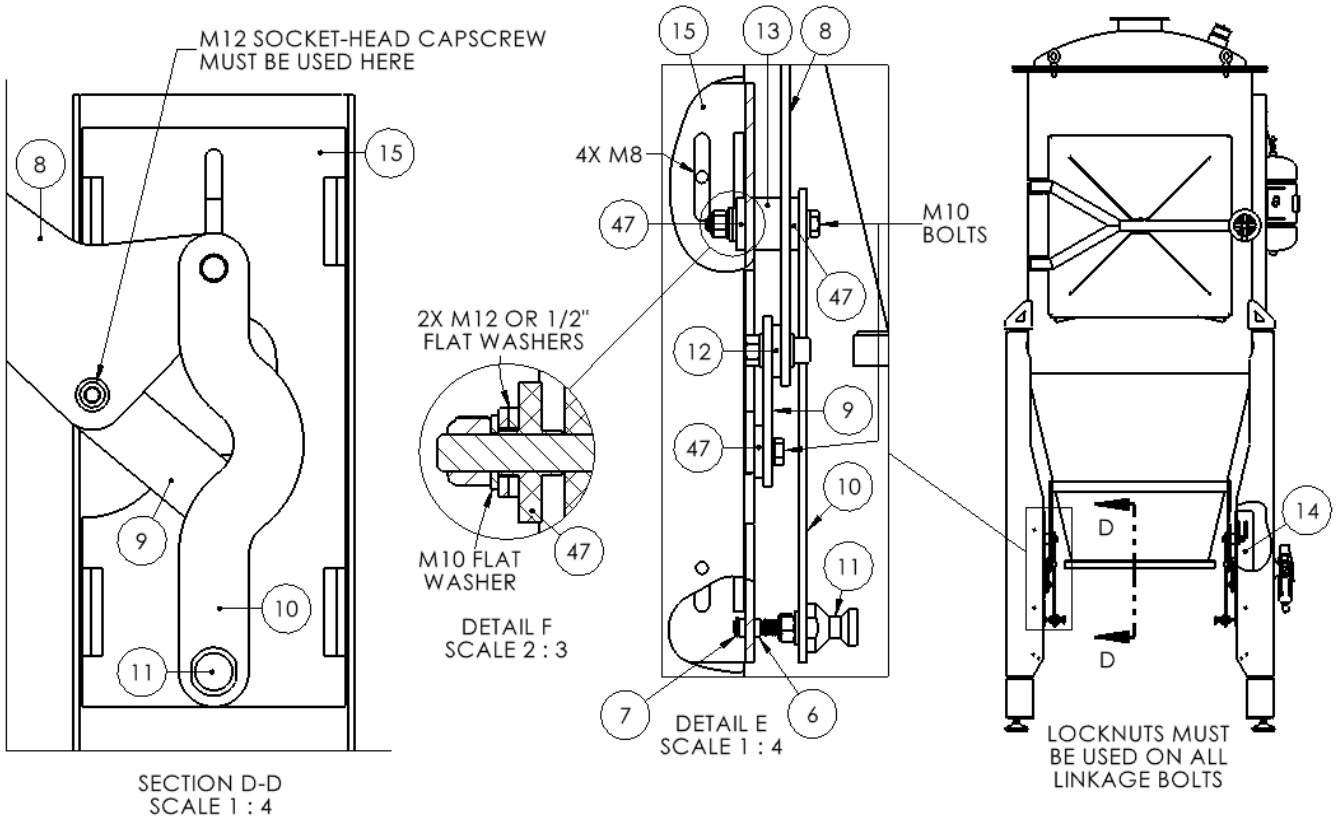

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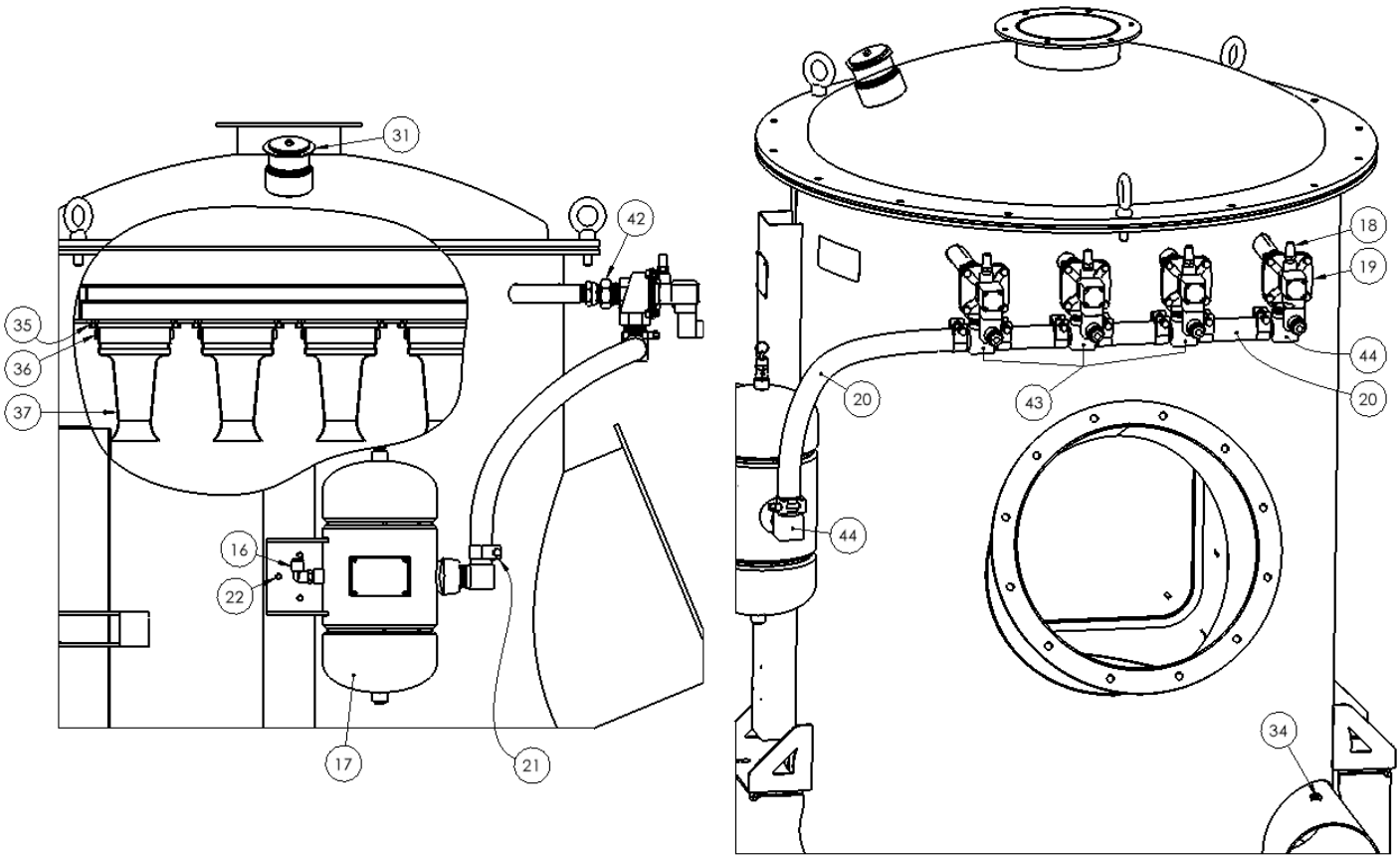
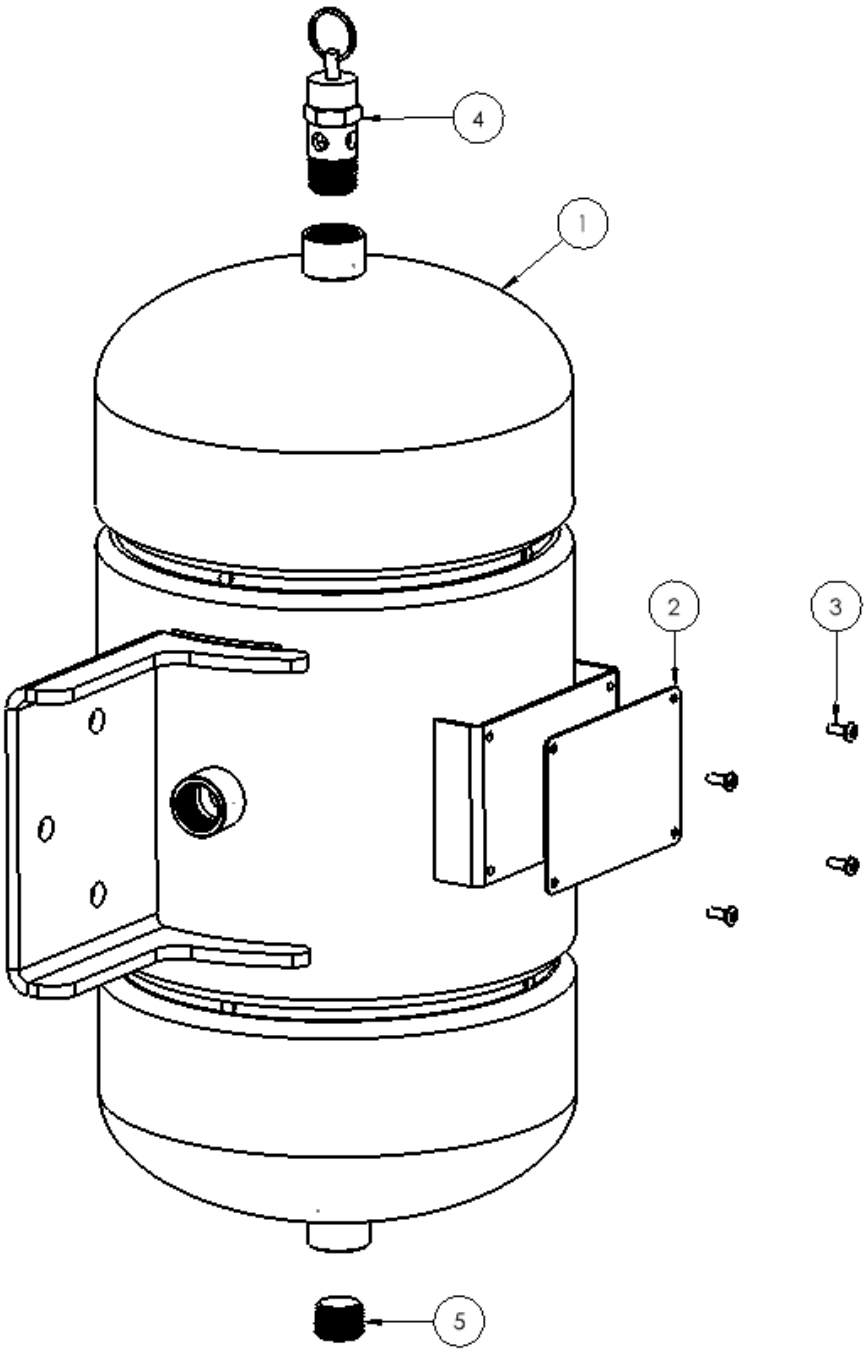


DCU-32 PARTS LIST			
47	6	8110459	BUSHING, SLEEVED, BIN LINKAGE, DCU
46	3	3000003M	EYEBOLT,M12 X 1.75,38MM SHANK,W/SHLDR
45	1	8110124	GASKET, DCU-32 PLENUM, 36.00" OD, .188 THK
44	2	3005092	HYDRANT ELBOW,1NPT MALE,1"BARB,BRONZE
43	3	3005091	HYDRANT TEE,1NPT MALE,(2) 1"BARB,BRONZE
42	4	3005090	REDUCER,3/4NPSM FEMALE,1NPT MALE,SWVL,Zn
41	1	8110454	DATA PLATE, DCU-32, CE MARKED
40	1	3000006	LABEL,PRESSURE RELIEF, 4-1/4 X 1-7/8
39	1	3005016	STICKER, WARNING, 4"X 8", "READ MANUAL"
38	1	3004993	EMBLEM, ABS LOGO, 6.23" X 2", STICK-ON
37	16	8110010	VENTURI,DRILLED,MIKRO,SPUN, GALVANIZED
36	16	1000186	CLAMP,QUCK-RLEAS WRM-DRV,3.5"-5.38"ID,ZN
35	16	8110020	GASKET, VENTURI , DCU-32
34	1	3000473	FITTING,Q/C STRAIGHT 1/4”X1/4”NPT SMC
33	4	3003585	RIVET, BLIND, 1/8", .337"L
32	4	8300028M	LEVELING FOOT,103mmOAH,70mmTHRD,M12x1.75
31	1	8075255	VALVE, PRESSURE RELIEF, 1 PSI, 2" NPT
30	1	9002256	FILTER REGULATOR,AW30,L/O,2-3/8MPT/TUBE
29	2	8145216-01	LEG WELDMENT, DCU-32, BOLT-ON
28	87"	3004403	BULB SEAL,"A" SIDE,3/16"PANEL,15/32"BULB
27	1	8110407	BUSHING, DOOR LATCH, DCU, DELRIN PLASTIC
26	1	8110067M	BOLT, DOOR LATCH, DCU
25	1	3002655	HAND WHEEL, 4 SPOKE, 4.5" OD .75" ID,
24	2	3000802	EXTERNAL RETAINING RING, .75"OD, ZINC
23	1	8110066M	SWIVEL NUT, DOOR LATCH, DCU
22	3	3004905	RIVET NUT,M8X1.25, ZINC-PLATED,0.7MM-3.8
21	8	3004988	HOSE CLAMP,BOLT STYLE,1 7/32-1 5/16,SS
20	34.75"	3004959	HOSE,BRAIDED,PVC,1" ID,5/32"WALL,120 PSI
19	4	1000440	SOLENOID VALVE,DCU PULSE,1" PORTS,24VDC
18	4	3001228	MUFFLER, 1/4" NPT
17	1	PV-57-100-5P-1P	ASSEM.,SURGE TANK,100 PSI,5.7L,6" DIA,MS
16	1	3000508	FITTING,SWIVEL,Q/C,90,3/8 T,3/8NPT
15	1	8110414-01	MOUNT PLATE, BIN LINKAGE, DCU, LEFT
14	1	8110413-01	MOUNT PLATE, BIN LINKAGE, DCU, RIGHT
13	2	8110460	BUSHING, LARGE, BIN LINKAGE, DCU
12	2	8110093	BUSHING, NON-SLEEVE, BIN LINKAGE, DCU
11	2	8110412-02	LIFT PIN, COLLECTION BIN, DCU
10	2	8110416-01	LIFT LINK, DCU, COLLECTION BIN LINKAGE
9	2	8110415-01	LEG-TO-HANDLE LINK, DCU BIN LINKAGE
8	1	8145217-01	WELDMENT,HANDLE,DCU-32 COLLECTION BIN LINKAGE
7	3	3004974	RETAINING RING,3/8 SHFT,.035 THK,ZINC
6	.625" 2X	3005006	TUBE,NYLON,1/2" OD,3/8" ID,WEAR-RESIST
5	1	8145181	LID WELDMENT,DCU-32,30" TANK HEAD
4	1	8145214	DOOR ARM, DCU-32, W/BUSHING HOLDER
3	1	8145215	WELDMENT, DOOR , DCU-32
2	1	8145194	WASTE COLLECTION BIN ASM,DCU32
1	1	8145213	WELDMENT, BODY, DCU-32, BIN
ITEM NO.	QTY	PART NUMBER	DESCRIPTION

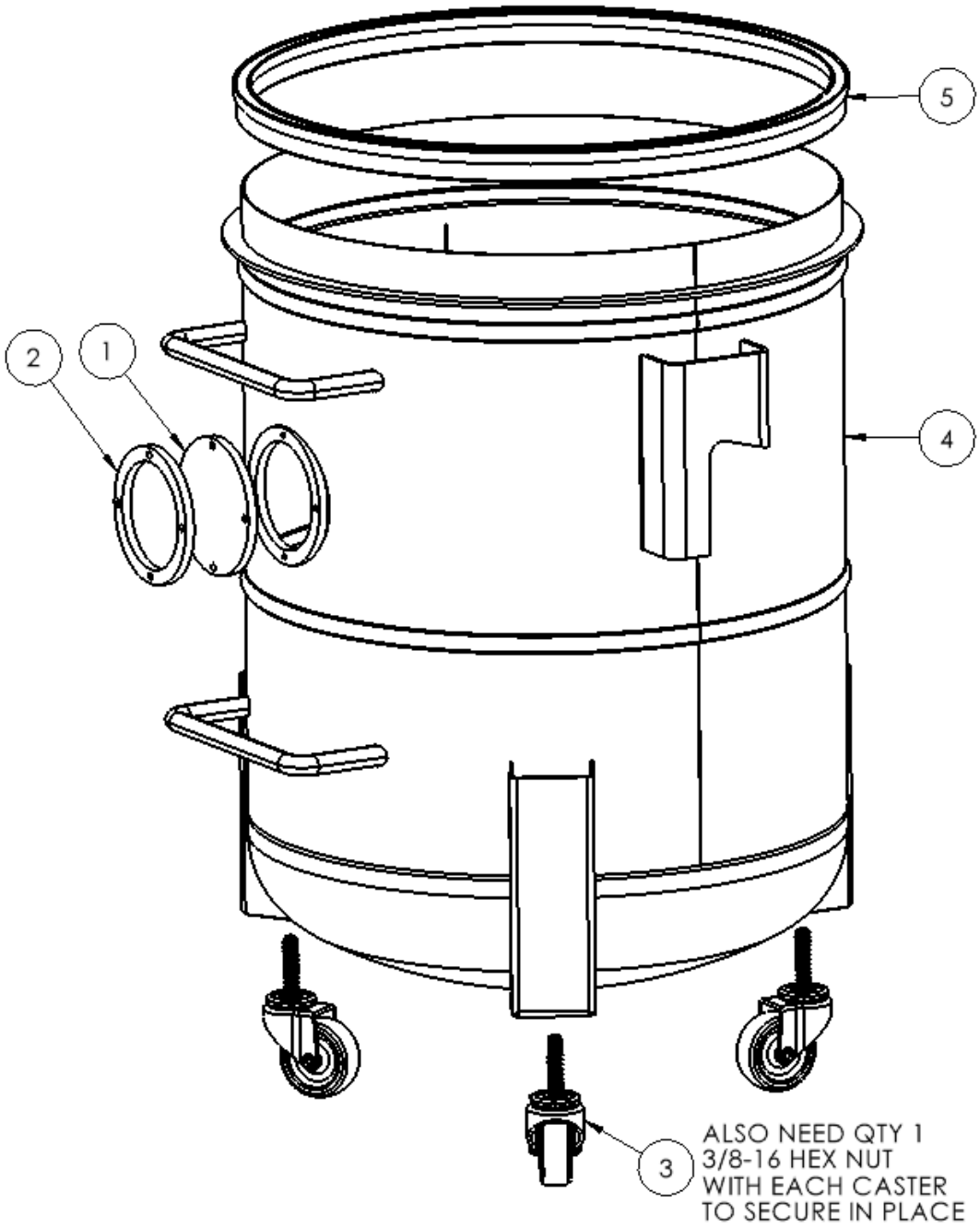
PV-57-100-5P-1P



SURGE TANK PARTS LIST			
5	1	3003002-01	PLUG,3/8MPT,FLUSH,HOLLOW,HEX,PIPE
4	1	3005017	SAFETY VALVE,ASME,3/8NPT,100PSI, BRASS
3	4	3003585	RIVET, BLIND, 1/8", .337"L
2	1	8110411	DATA PLATE,SURGE TANK,5.7L,100 PSI
1	1	8145201	SURGE TANK,5.7L,6" DIA,WELDMENT,MS
ITEM NO.	QTY	PART NUMBER	DESCRIPTION

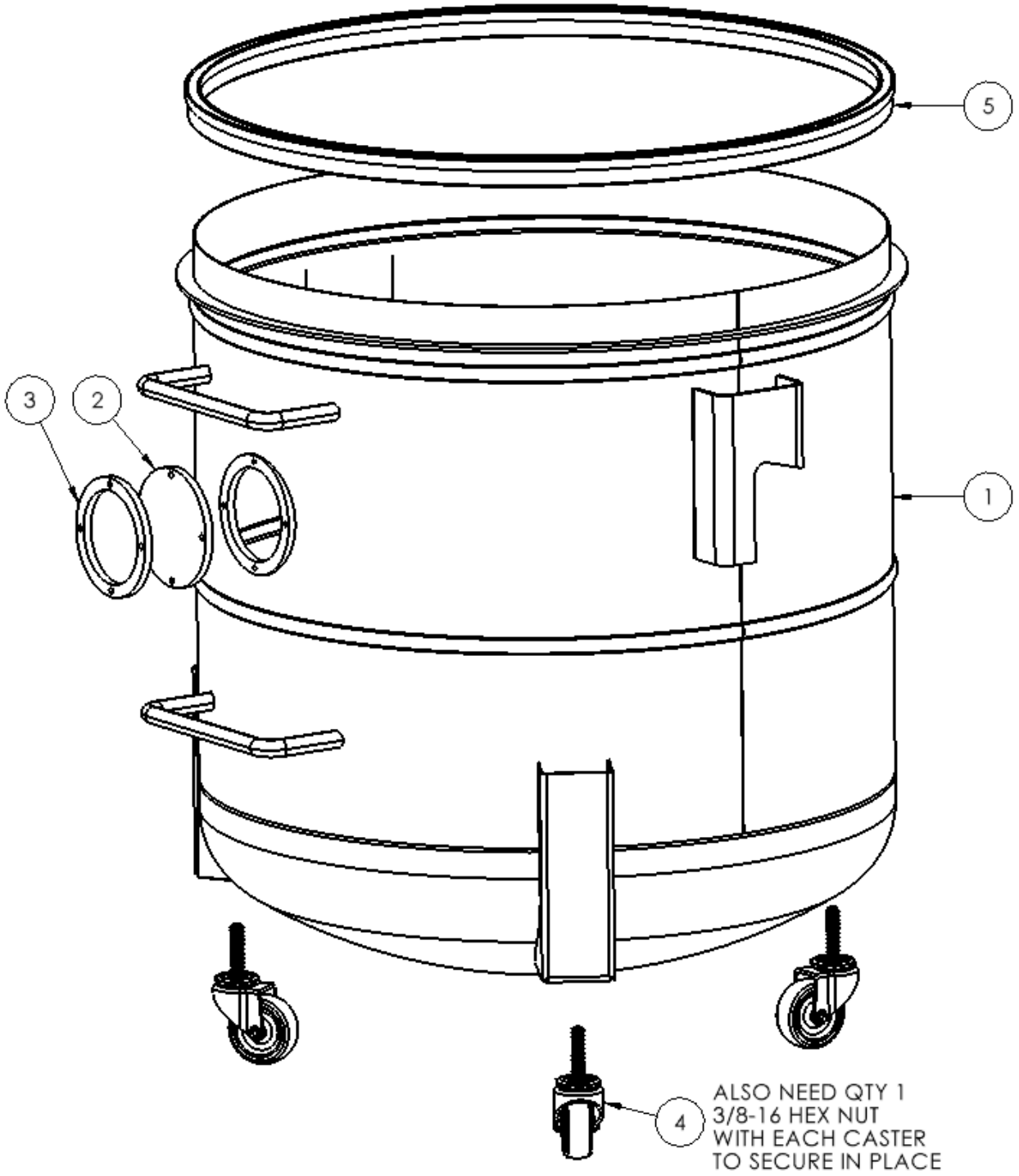
Waste Collection Bin Assemblies

8145191 (DCU-16 & DCU-24)



DCU-16/24 COLLECTION BIN PARTS LIST			
5	4FT	3004768	TRIM SEAL,.43"BULB,.12"EDGE,BLACK,EPDM
4	1	8145192	WASTE COLLECTION BIN WELDMENT,DCU16/24
3	3	3004859	CASTER,ADJUSTABLE,2" WHEEL,3/8-16 STUD
2	1	7230203	RING,BIN SIGHT GLASS,CLEAN OUT,DCU32 DWG
1	1	7230202	SIGHT GLASS,BIN.CLEAN OUT/DCU32
ITEM NO.	QTY	PART NUMBER	DESCRIPTION

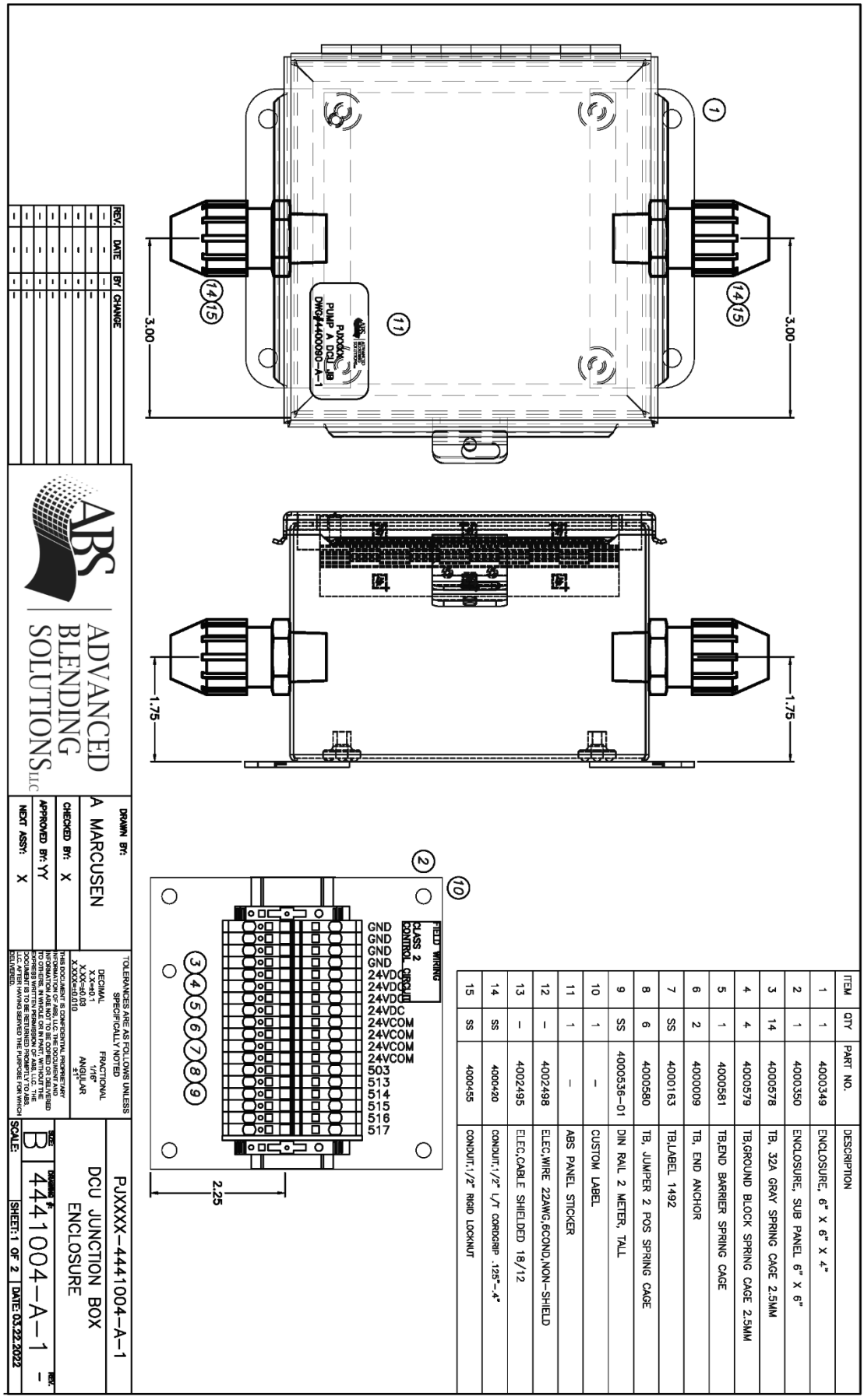
8145194 (DCU-32)



DCU-32 COLLECTION BIN PARTS LIST			
5	5.25FT	3004768	TRIM SEAL,.43"BULB,.12"EDGE,BLACK,EPDM
3	3	3004859	CASTER,ADJUSTABLE,2" WHEEL,3/8-16 STUD
2	1	7230203	RING,BIN SIGHT GLASS,CLEAN OUT,DCU32 DWG
1	1	7230202	SIGHT GLASS,BIN.CLEAN OUT/DCU32
4	1	8145193	WASTE COLLECTION BIN WELDMENT,DCU32
ITEM NO.	QTY	PART NUMBER	DESCRIPTION

Junction Box Schematics

Use the following drawing for all DCU-16 models and DCU-24 models *without* additional I/O. Project-specific electrical changes from the standard are noted in the closeout documents.



ITEM	QTY	PART NO.	DESCRIPTION
1	1	4000349	ENCLOSURE, 6" X 6" X 4"
2	1	4000350	ENCLOSURE, SUB PANEL 6" X 6"
3	14	4000578	TB, 32A GRAY SPRING CAGE 2.5MM
4	4	4000579	TB,GROUND BLOCK SPRING CAGE 2.5MM
5	1	4000581	TB,END BARRIER SPRING CAGE
6	2	4000009	TB, END ANCHOR
7	SS	4000163	TB,LABEL 1492
8	6	4000580	TB, JUMPER 2 POS SPRING CAGE
9	SS	4000536-01	DIN RAIL 2 METER, TALL
10	1	–	CUSTOM LABEL
11	1	–	ABS PANEL STICKER
12	–	4002498	ELEC,WIRE 22AWG,6COND,NON-SHIELD
13	–	4002495	ELEC,CABLE SHIELDED 18/12
14	SS	4000420	CONDUIT,:/2" L/T CORDGRIP .125"-.4"
15	SS	4000455	CONDUIT,:/2" RIGID LOCKNUT

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ADVANCED BLENDING SOLUTIONS LLC

DRAWN BY: A MARCUSEN
CHECKED BY: X
APPROVED BY: YY
NEXT ASSY: X

TOLERANCES ARE AS FOLLOWS UNLESS SPECIFICALLY NOTED
DECIMAL X.X=±0.1 X.XX=±0.03 X.XXX=±0.010
FRACTIONAL 1/16"
ANGULAR ±1°

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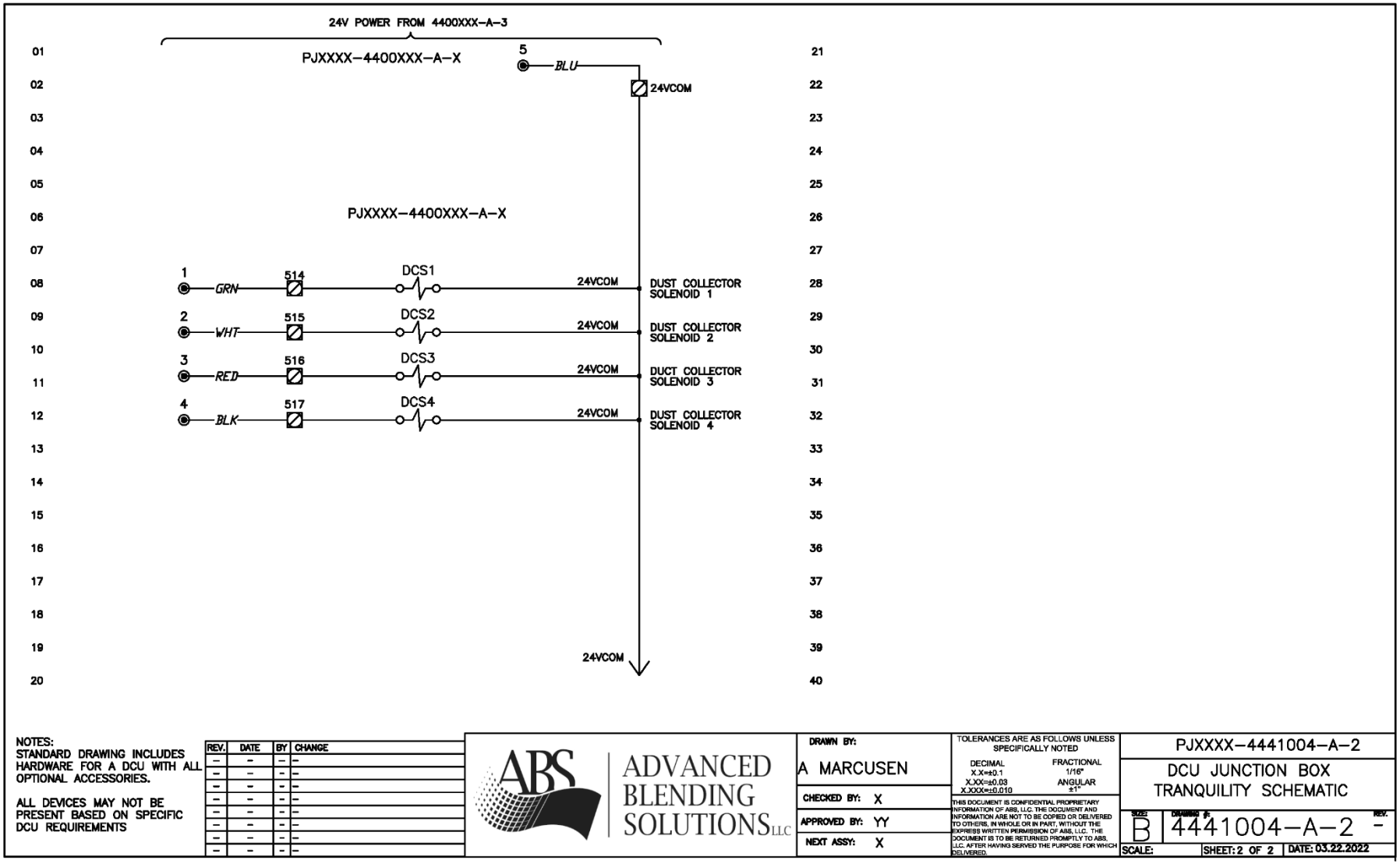
PJXXXX-444100 4-A-1

DCU JUNCTION BOX ENCLOSURE

SIZE: B
DRAWING #: 4441004-A-1
REV: -
SCALE:
SHEET: 1 OF 2
DATE: 03.22.2022



NOTES:
STANDARD DRAWING INCLUDES HARDWARE FOR A DCU WITH ALL OPTIONAL ACCESSORIES.

ALL DEVICES MAY NOT BE PRESENT BASED ON SPECIFIC DCU REQUIREMENTS

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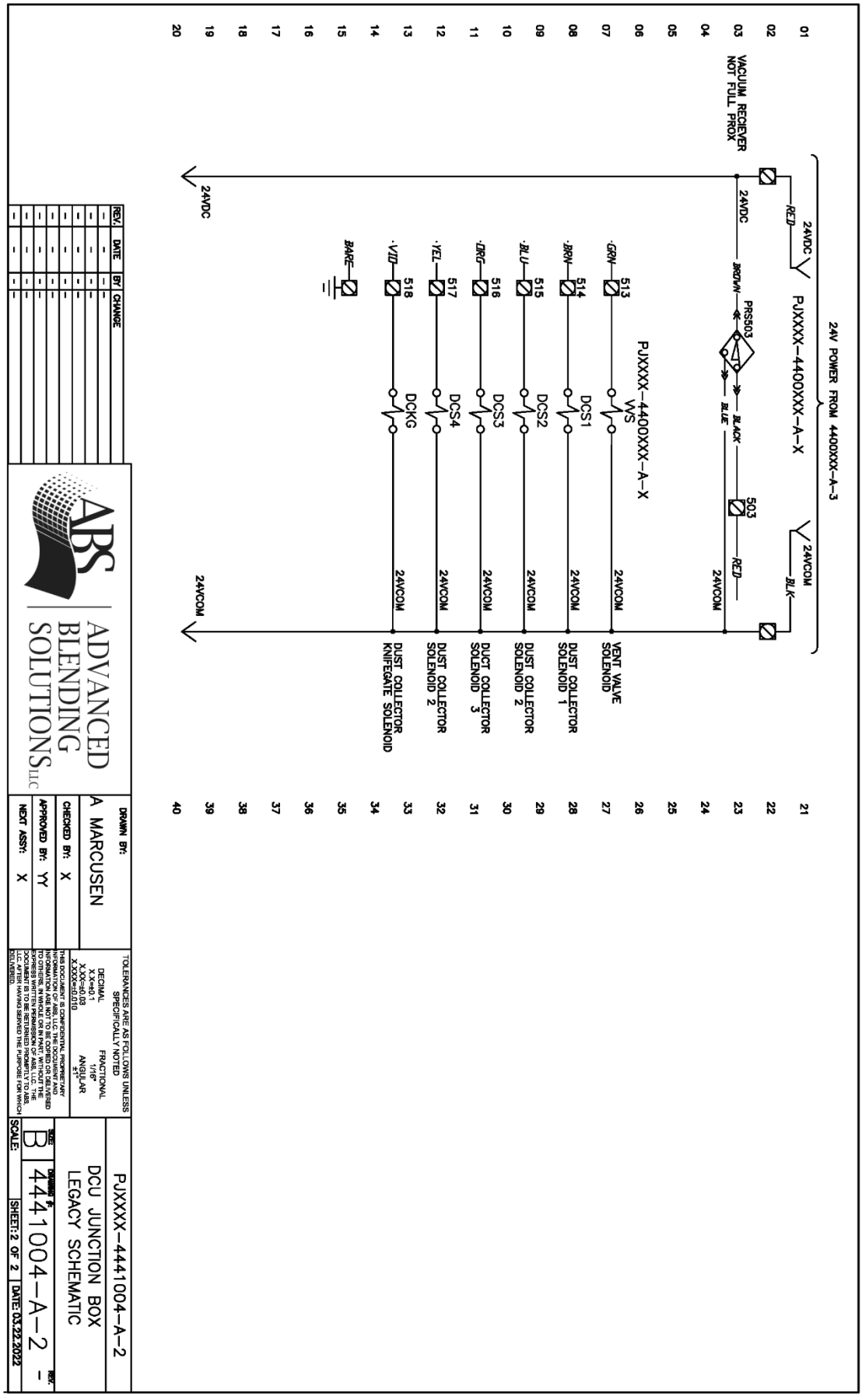
PJXXXX-4441004-A-2

DCU JUNCTION BOX TRANQUILITY SCHEMATIC

SIZE: B | DRAWING #: 4441004-A-2 | REV. –

SCALE: | SHEET: 2 OF 2 | DATE: 03.22.2022



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X.XX=±0.03
X.XXX=±0.010

FRACTIONAL
1/16"

ANGULAR
±1°

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PJXXXX-444100 4-A-2

DCU JUNCTION BOX
LEGACY SCHEMATIC

SIZE: B

DRAWING #: 444100 4-A-2

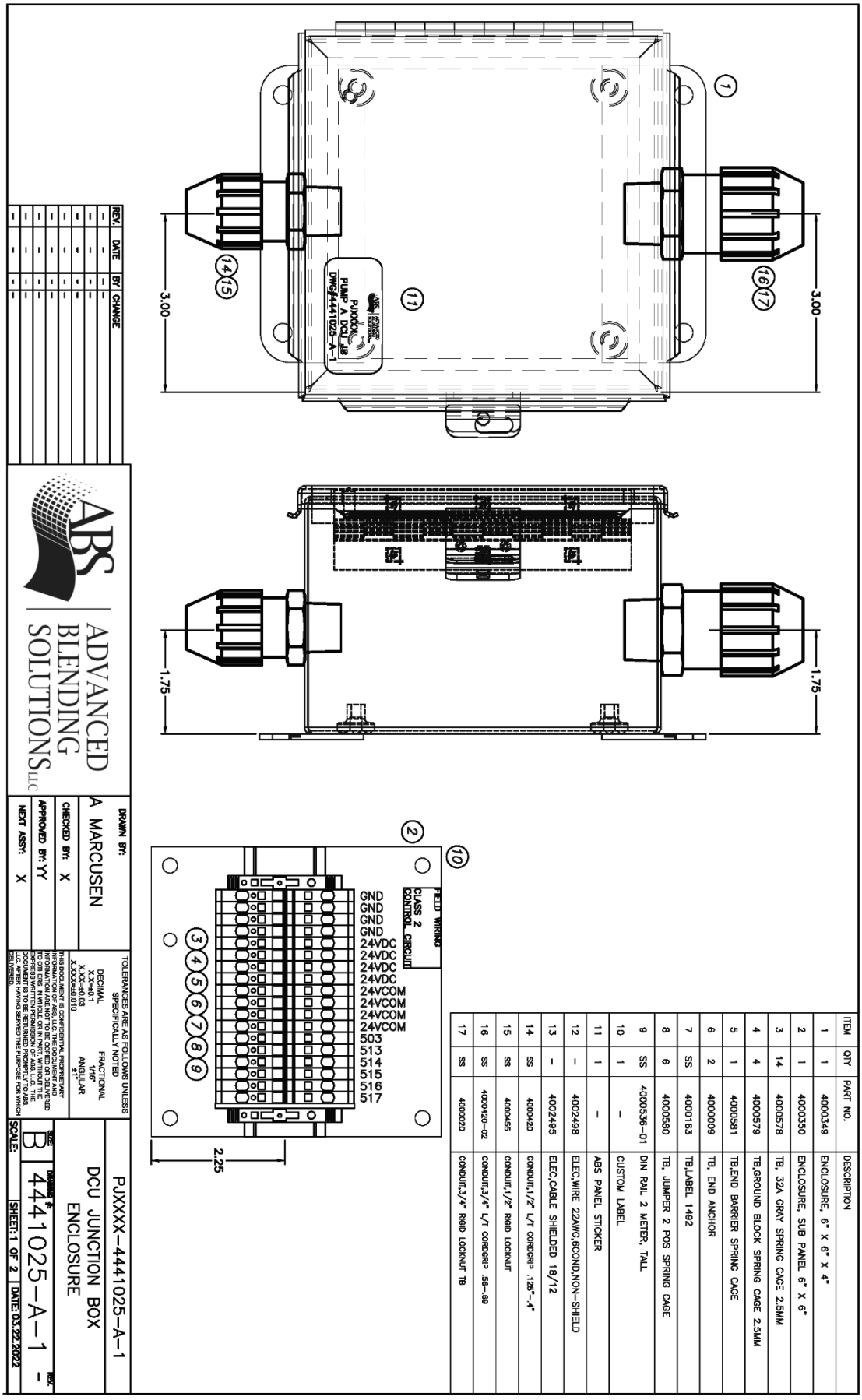
REV: -

SCALE:

SHEET: 2 OF 2

DATE: 03.22.2022

Use the following drawing for all DCU-32 models and DCU-24 models *with* additional I/O. Project-specific electrical changes from the standard are noted in the closeout documents.



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15	SS	4000455	CONDUIT,1/2" RIGID LOCKNUT
16	SS	4000420-02	CONDUIT,3/4" L/T CORDGRIP .56-.69
17	SS	4000020	CONDUIT,3/4" RIGID LOCKNUT TB

REV.	DATE	BY	CHANGE
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ADVANCED BLENDING SOLUTIONS LLC

DRAWN BY: A MARCUSEN

CHECKED BY: X

APPROVED BY: YY

NEXT ASSY: X

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X.XX=±0.03
X.XXX=±0.010

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PJXXXX-4441025-A-1

DCU JUNCTION BOX ENCLOSURE

SIZE: B

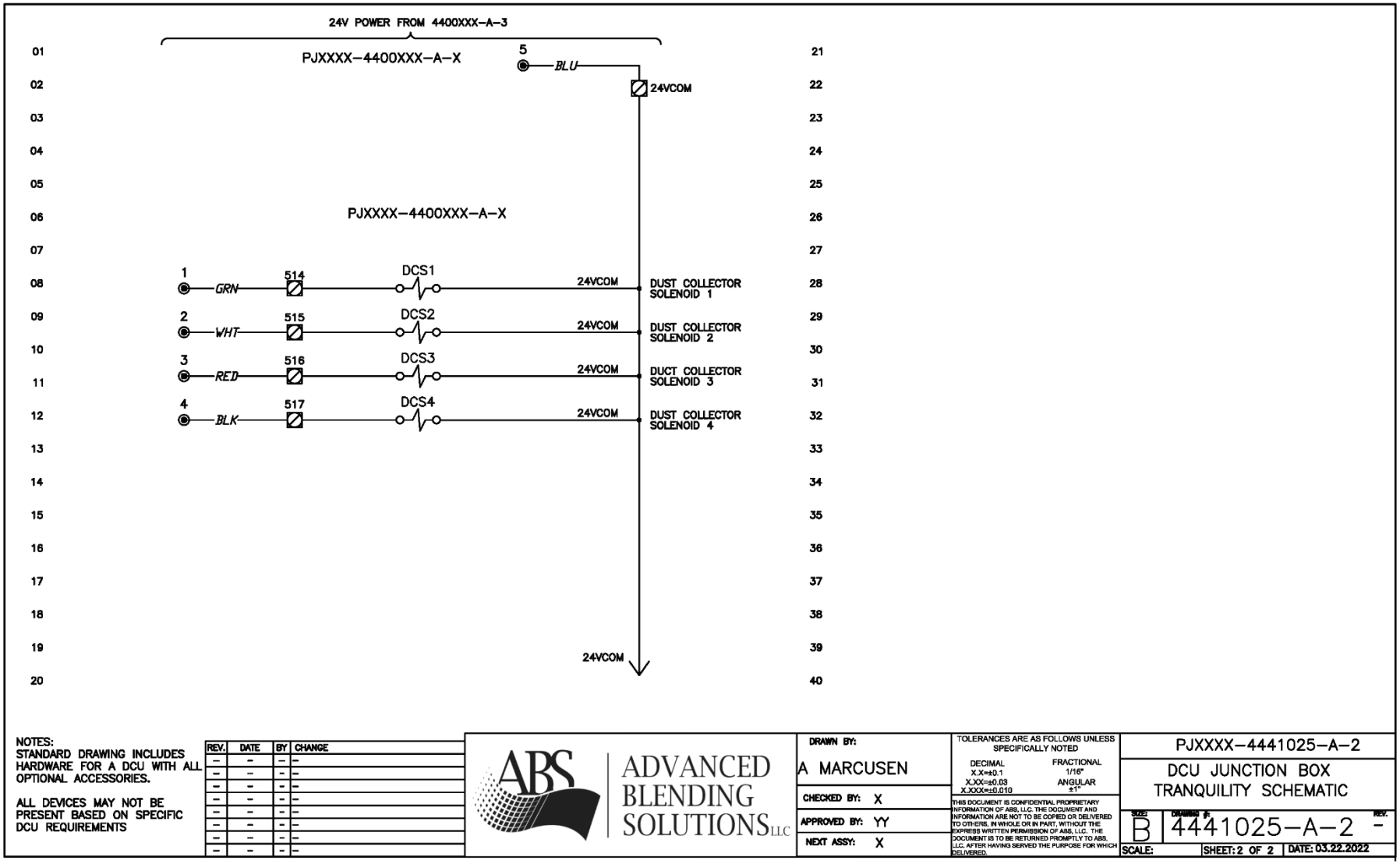
DRAWING #: 4441025-A-1

REV: -

SCALE:

SHEET: 1 OF 2

DATE: 03.22.2022



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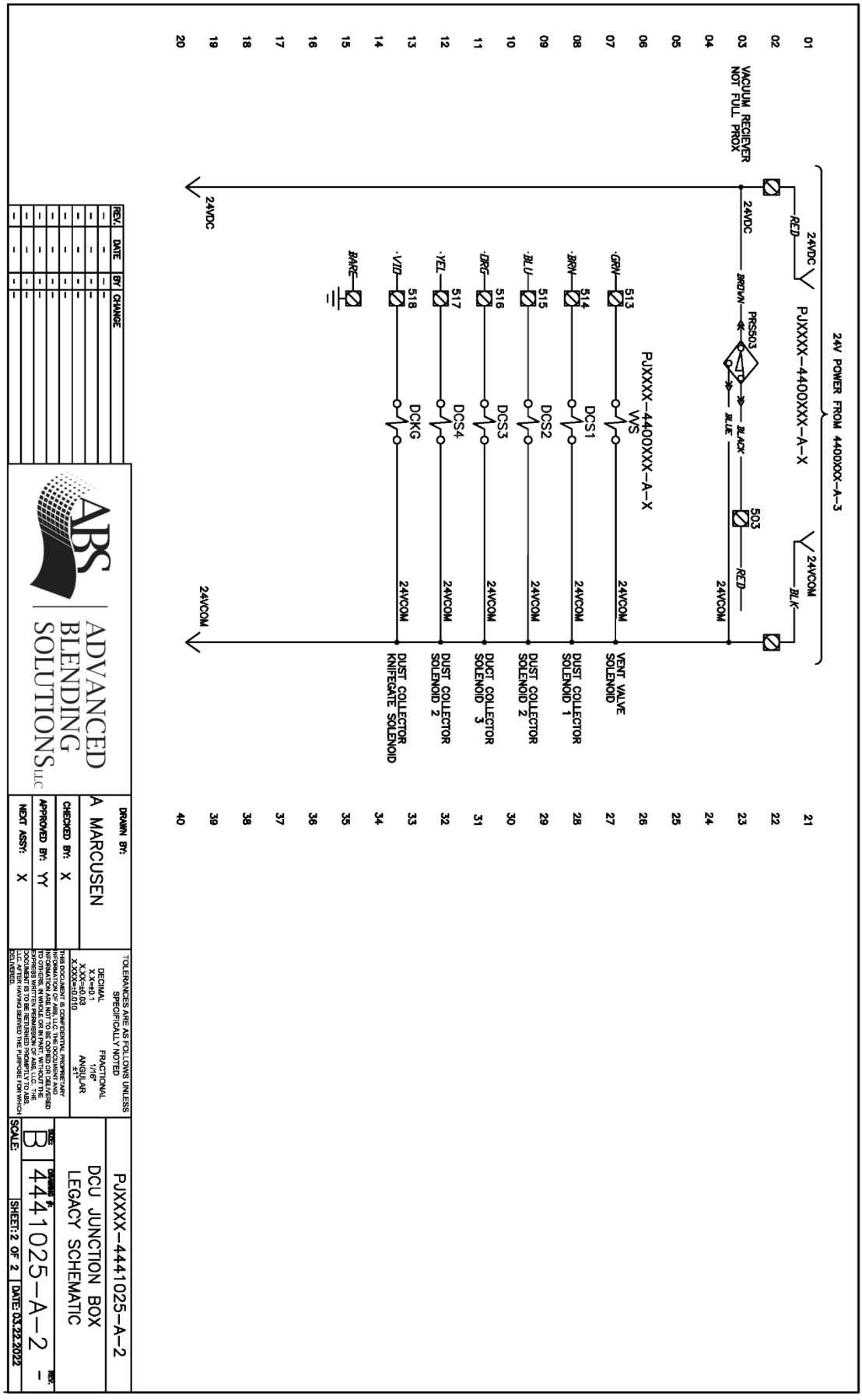
PJXXXX-4441025-A-2

DCU JUNCTION BOX TRANQUILITY SCHEMATIC

SIZE: B | DRAWING #: 4441025-A-2 | REV. –

SCALE: | SHEET: 2 OF 2 | DATE: 03.22.2022



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CHECKED BY: X

APPROVED BY: YY

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X.XX=±0.03
X.XXX=±0.010

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PJXXXX-444025-A-2

DCU JUNCTION BOX
LEGACY SCHEMATIC

SIZE: B

DRAWING #: 444025-A-2

REV: -

SCALE:

SHEET: 2 OF 2

DATE: 03.22.2022

Warranty Information

Please refer to your closeout documents for specific warranty information.

Annex I: Declaration of Conformity

CERTIFICATE & DECLARATION OF CONFORMITY FOR CE MARKING

Company Contact Details:

Advanced Blending Solutions, LLC
W5649 County Rd 342
Wallace, MI 49893

Advanced Blending Solutions, LLC. Declares that their:

DCU Series Air Filtration Units
PV Series Surge Tanks

are classified within the following EU Directives:

Machinery Directive 2006/42/EC
Low Voltage Directive 2014/35/EU
Electromagnetic Compatibility Directive 2014/30/EU
Simple Pressure Vessels 2014/29/EU

and further conforms with the following EU Harmonizing Standards:

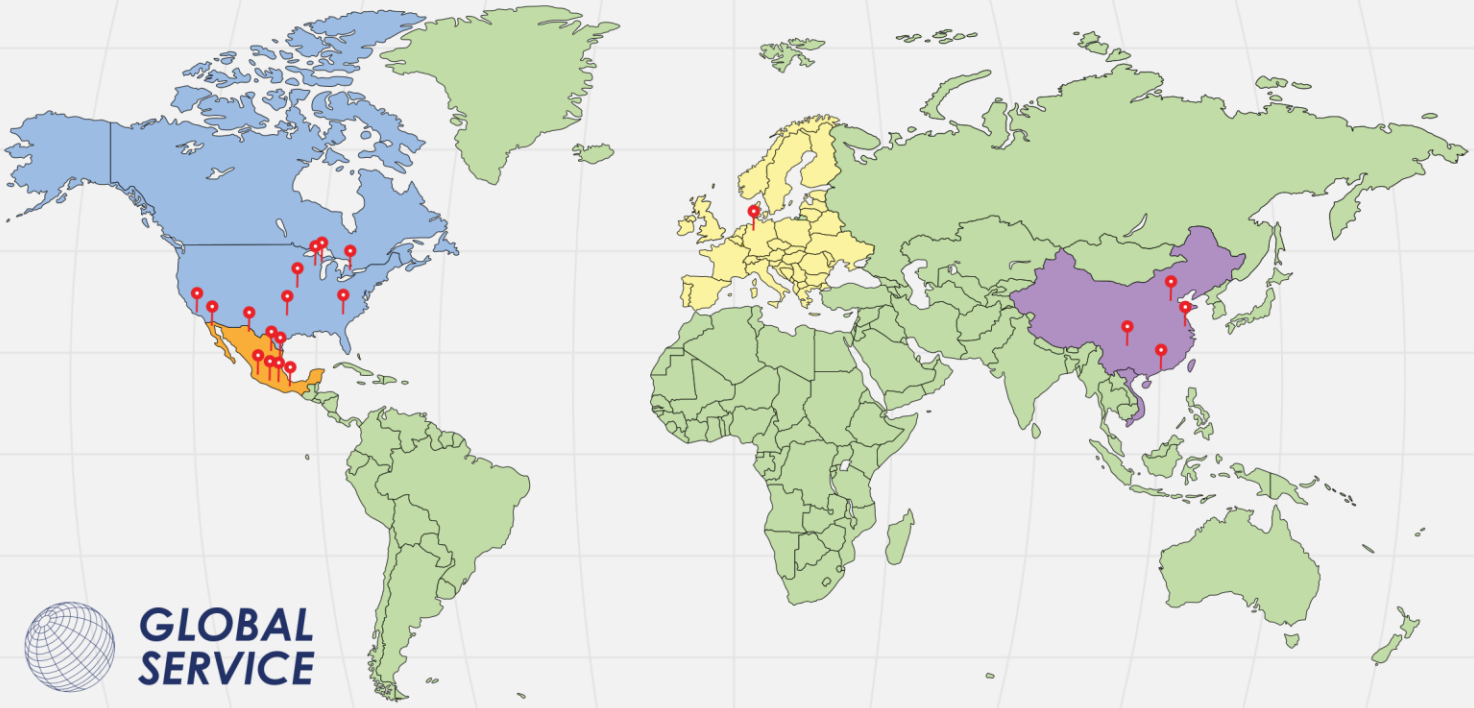
EN ISO 4414:2010 EN 60204-1:2006/A1:2009
EN 61000-6-2:2005 EN 61000-6-4:2007/A1:2011

Dated: 6/7/2024
Position of signatory: Quality Manager
Name of signatory: Steve Kedsch
Signed below:

p.p Advanced Blending Solutions, LLC.

In compliance with the Machinery Directive 2006/42/EC the Technical File is held at Advanced Blending Solutions, LLC.
W5649 County Rd 342 Wallace, MI 49893 USA
Contact: skedsch@adv-blend.com

ADVANCED BLENDING SOLUTIONS LLC



Based in Wallace, MI, Advanced Blending Solutions is a world class designer and manufacturer of material handling, blending, and controls for the plastics industry. With representatives throughout the globe, ABS is a fast-growing company committed to providing the best products and services to meet their customers' unique needs.

Corporate Address
Advanced Blending Solutions
W5649 County Rd. 342
Wallace, MI 49893

Mailing Address
Advanced Blending Solutions
PO Box 37
Wallace, MI 49893

For After Sales inquiries, quote requests, or purchase orders, please contact our team.

Email: orders@adv-blend.com

Phone: 1-906-914-4180

For Service and Support during business hours, reach out to Customer Service.

Email: customerservice@adv-blend.com

Phone: 1-906-914-4180

For after-hours and weekend support or service, please use our dedicated line.

Phone: 1-888-204-5080