

1600 CFM Large Capacity Coalescing Tank

⚠ DANGER

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

⚠ DANGER

Breathing dust containing silica will cause silicosis, a fatal lung disease. Breathing dust during blasting operations will cause asbestosis, lead poisoning and/or other serious or fatal diseases. A NIOSH-approved, well-maintained, supplied-air abrasive blasting respirator must be used by anyone blasting, anyone handling or using the abrasive and anyone in the area of the dust. Harmful dust containing toxic material from abrasives or surfaces being blasted can remain suspended in the air for long periods of time after blasting has ceased. Failure to avoid the above danger will result in death or serious injury.

⚠ DANGER

Never weld, grind or drill on the blast machine (or any pressure vessel). Doing so will void ASME certification as well as manufacturer's warranty. Welding, grinding or drilling on the blast machine (or any pressure vessel) will weaken the vessel causing it to burst. Failure to avoid the above danger will result in death or serious injury.

NOTICE

Apply thread sealant to all pipe threads to ensure an airtight seal.

NOTICE

Leave the airline filter petcock slightly open to allow for constant release of water from filter body.

Maintenance

Maintenance of the 1600 CFM Large Capacity Coalescing Tank is limited to the daily cleaning and the immediate replacement of damaged or worn parts.

Assembly:

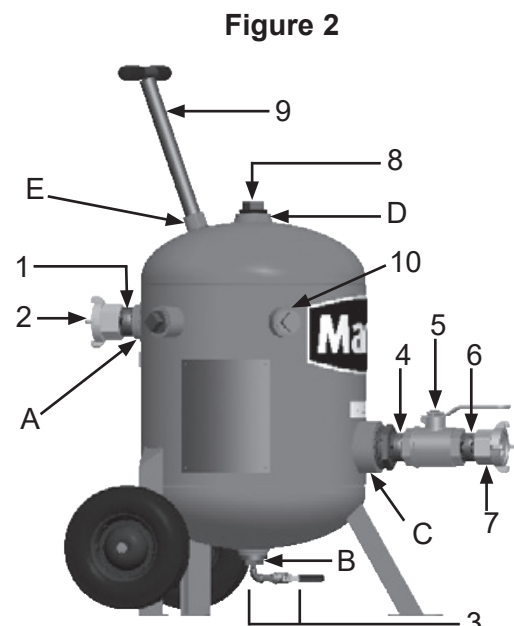
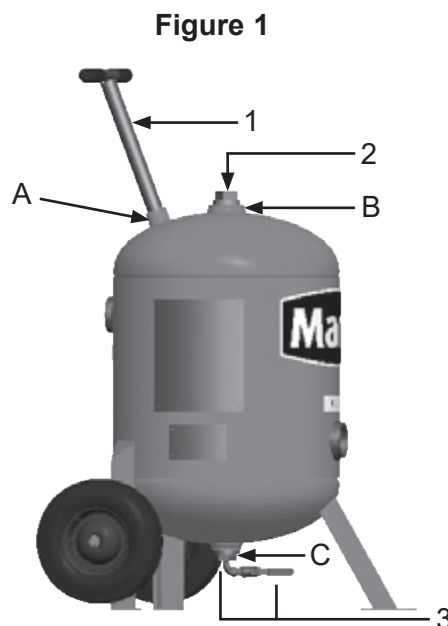
Note: For Stationary models, Wheels and Handle are not included.

Fig. 1 (For models 1011772, 1011774, 1011775, 1011777)

- 1) Install Ball Valve Assembly (3) in Port (C), located on bottom of vessel. Ensure Ball Valve is oriented toward the side for easy access.
- 2) Thread 2" Pipe Plug (2) in to Port (B) and tighten.
- 3) For Portable models, thread Handle (1) in Port (A) and tighten.

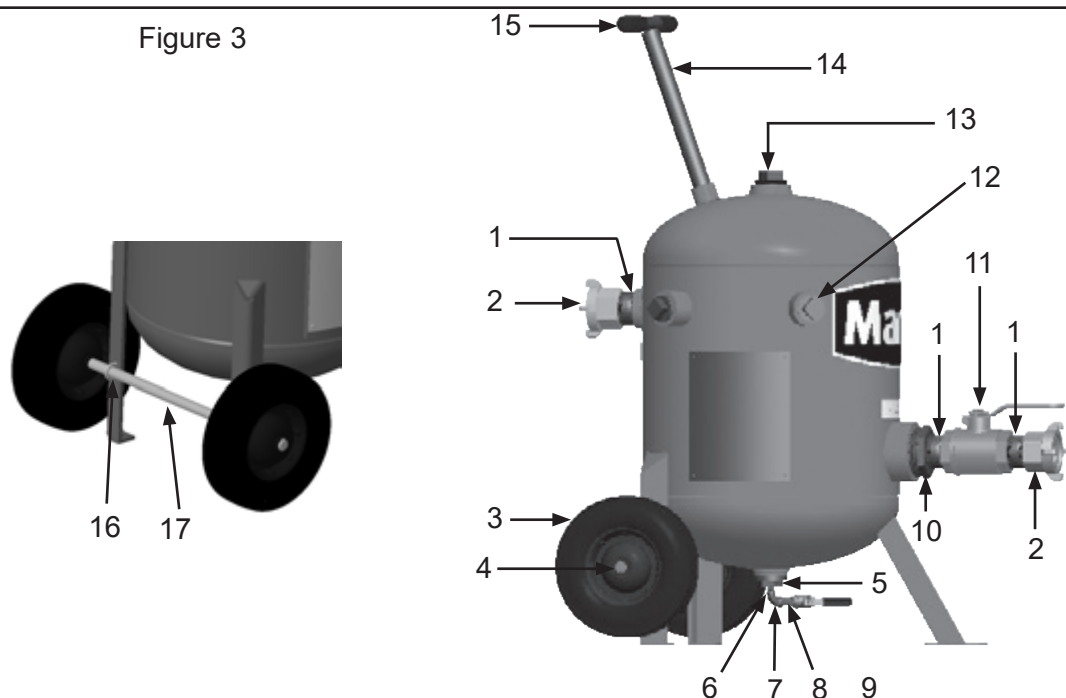
Fig. 2 (For models 1011770, 1011771, 1011773, 1011776)

- 1) Install Ball Valve Assembly (3) in Port (B), located on bottom of vessel. Ensure Ball Valve is oriented toward the side for easy access.
- 2) Thread 2" Close Nipple (1) in to Port (A) to hand tight.
- 3) Thread 4-lug Air Hose Coupling (2) on to 2" Close Nipple (1) and tighten.
- 4) Thread 2" Close Nipple (4) in to Port (C) to hand tight.
- 5) Thread 2" NPT Ball Valve (5) on to 2" Close Nipple (4) to hand tight.
- 6) Thread 2" Close Nipple (6) in to 2" NPT Ball Valve (5) to hand tight.
- 7) Thread 4-lug Air Hose Coupling (6) on to 2" Close Nipple (6) and tighten.
- 8) Thread 2" Pipe Plug (8) in to Port (D) and tighten.
- 9) Thread 1-1/2" Pipe Plug (10) in to four ports on side of vessel.
- 10) For Portable models, thread Handle (9) in Port (E) and tighten.



Schematics

Figure 3



Item #	Part #	Description
Fig. 3		
–	1011770	1600 CFM Large Capacity Coalescing Tank - 2-Outlet - Portable - Complete
–	1011771	1600 CFM Large Capacity Coalescing Tank - 6 Outlet - Portable - Complete
–	1011772	1600 CFM Large Capacity Coalescing Tank - 2-Outlet - Stationary - No Fittings
–	1011773	1600 CFM Large Capacity Coalescing Tank - 2-Outlet - Stationary - Complete
–	1011774	1600 CFM Large Capacity Coalescing Tank - 2-Outlet - Portable - No Fittings
–	1011775	1600 CFM Large Capacity Coalescing Tank - 6 Outlet - Portable - No Fittings
–	1011776	1600 CFM Large Capacity Coalescing Tank - 6 Outlet - Stationary - Complete
–	1011777	1600 CFM Large Capacity Coalescing Tank - 6 Outlet - Stationary - No Fittings
1	1001806	2" NPT Close Nipple (3 required for Complete models only)
2	10ME5	2" NPT (F) Air Hose Coupling (2 required for Complete models only)
3	1006067	10" Wheel (2 required for Portable models only)
4	1006211	Wheel Clip (2 required for Portable models only)
5	1011822	1-1/2" (M) NPT X 1/2" (F) NPT Bushing
6	1011818	1/2" (M) NPT X 1/4" (F) NPT Bushing
7	1011824	1/4" 90 Degree Street Elbow
8	1017019	1/4" NPT Hex Nipple
9	1080050	1/4" Brass Full Port Ball Valve
10	10101183	3" (M) NPT to 2" (F) NPT Bushing
11	1011604	2" Brass Full Port Ball Valve (for Complete models only)
12	1011101	1-1/2" NPT Square Head Pipe Plug (4 required for 6-Outlet models only)
13	1011823	2" NPT Square Head Pipe Plug
14	1011765	Tee Handle with Grips - 800 & 1600 CFM Moisture Separators (for Portable models only)
15	1011766	Grip for 800 & 1600 CFM Moisture Separator Tee Handle (for Portable models only)
16	10101813	1/4-20 x 3/4" ID U-bolt with nuts (for Portable models only)
17	10109429	3/4" OD Axle (for Portable models only)
–	1091048	Sticker - INLET
–	1091049	Sticker - OUTLET

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