ALLREDI™

MOD-U-BLAST® S-SERIES BLAST CABINETS

MOD-U-BLAST®

Marco®
Powered by ALLREDI™

PART NUMBERS AND SCHEMATICS GUIDE

Company Profile

Allredi was formed in the early 2020, when two of the largest distributors in the blasting, coating, safety, and environmental industry, APE Companies and Marco Group International, joined forces. While the qualities both companies are known for have not changed, a lot about our business is new. New abilities. New agilities. New ways to help you win. This calls for a new name, Allredi.

This name exemplifies what we have become. It is completely oriented to the needs of our customers. To your needs. It says that when you call us for anything – products, service, expert advice, anything – you can consider it done. Or even better, Allredi done.

We are your right-now supplier. From skills to SKUs, we deliver the goods fast. So you can be more agile every minute, every day. This is who we are. This is what our new name means. Go ahead and expect excellence, because we're bringing it.

Our Mission and Vision

To be the industry's preferred partner in surface preparation solutions through unrivaled technical expertise, customer experience, product availability, and tailored service offerings.

The Allredi Difference

- **Industry Experience** – With Allredi 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 an Allredi customer, you have access to hundreds of years of cumulative experience related to your operations.
- **Manufacturing Excellence** – Allredi is a U.S. based manufacturer of equipment for the Surface Preparation and Protective Coatings industries. Allredi'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** – Allredi'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 over 45 shipping locations to serve North American and International markets for all major brands of blasting, coating, environmental, and safety equipment. Allredi is your right-now supplier, so you can keep your projects moving. From our foundation of strong relationships, we have built a nationwide network that puts vast inventory and ready service close to our customers. We provide advanced expertise, and we deliver the goods fast – so you can easily access the products and services you need to me more agile every minute, every day.
- **Technology Leadership** – Our website provides: Operator's Manuals, Part Numbers and Schematics Guides, SDS information, and key product features and specifications, providing access to information 24/7.

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BLAST CABINETS QUALIFYING QUESTIONS

When considering a purchase of a Mod-U-Blast® Cabinet we would recommend reviewing the following guide to ensure that your expectations are aligned with the correct configuration.

Determining the Cabinet Size

The most important factor is to make sure the parts you typical blast will fit through the door to the cabinet. Allow enough room to be able to freely move the part and provide adequate space between the part and walls. We suggest 10–18" around all sides that need to be blasted. This helps reduce wear on the walls from abrasive rebound.

Frequency of use:

One main consideration when choosing a cabinet is the frequency of use.

How often will you be using the cabinet?

All of our cabinets are built to a high quality standard, however, some are built for heavier usage than others.

- **Mod-U-Blast P-Series Blast Cabinets:** Daily use, industrial applications
- **Mod-U-Blast S-Series Blast Cabinets:** Frequent use, but not a primary function of your daily work
- **Mod-U-Blast E-Series Blast Cabinet:** Occasional, light-duty use, small shops

Do you need a pressure or a suction configuration?

Another major consideration when choosing a blast cabinet is whether your main objective is production or efficiency. While we all want to get our work done as fast as possible, budget can be restrictive to choosing the fastest option.

All Mod-U-Blast Cabinets are built to operate efficiently, however some are built to provide a higher level of production.

- **Pressure Systems** utilize a blast pot to force abrasive in to the blast stream. Typically 30%-50% more powerful than suction systems, but also use 30%-40% more compressed air. This setup is ideal for applications where the user will be blasting high volume of parts, using the blast cabinet frequently, or have heavy coatings or mil scale to remove from the parts.
- **Suction Systems** use compressed air to create a venturi effect that pulls abrasive in to the blast stream. Simple design that is easy to service and troubleshoot with less compressed air consumption. This setup is commonly used for light shop work with lower production volume requirements.

BLAST CABINETS QUALIFYING QUESTIONS

Selecting a Reclaimer

Get the most out of your abrasive by reclaiming, cleaning, and reintroducing it in to your operating mix. Reclaimers are available on either Pressure or Suction systems and reduce abrasive consumption while providing the best possible finish every time. Reclaimers also reduce clogging and dust in your cabinets by removing large partivcles and fines from the abrasive.

Engineered and designed to precision, the Mod-U-Blast® tunable media reclaimer is unequaled in performance. Separation of the blast media, over sized foreign matter, and dust becomes as accurate as possible in a cyclone-type reclaim system. Equipped with replaceable wear plate.

Selecting a Dust Collector

All abrasive blasting generates dust that needs to be removed from the blasting area. A Dust Collector is a device designed to remove dust and debris from the air in the area being blasted.

There are two main types of dust collectors available to add to your blast cabinet system.

- **Bag style** use long socks to filter the air as it passes through the system. The dust collects on the exterior of the bags where it remains until the unit is turned off when the bags are shaken to release the collected material.
- **Cartridge-style** dust collectors use pleated cartridges to filter the air as it passes through the system. The material collects on the outside of the cartridge and released, while it is still in use, by a pulse of compressed air that is forced into the inside of the filter. Cartridge-style dust collectors are the cleanest option available and will be the most effective. Dust collector filter cartridges are available in different materials depending on level of air quality desired.

What power source will you be working with?

- Mod-U-Blast blast cabinets are available in either single phase or 3-phase.

What is your volume of available compressed air?

- Cabinet type and nozzle size will determine the amount of compressed air that you will need. All nozzle charts reflect the air requirements based on new nozzles. We suggest moving up in 1 size to reflect the compressed air requirement as the nozzle nears the end of its intended usage.
- Pressure Systems will require more compressed air than Suction Systems

MOD-U-BLAST S-SERIES BLAST CABINET

Designed to handle a wide range of abrasives and peening medias, there is a Mod-U-Blast® system to manage virtually any blast cleaning application. Our method of manufacturing also allows us to produce dual-station systems in many sizes for larger applications. All machines with 48” of depth or more require 600 CFM reclaimers and come standard with a dual-fixture lighting system (4 x 24” fluorescent tubes).

S4836-6FH
600 CFM, Filter Hopper
Dust Collector

MOD-U-BLAST® S-SERIES BLAST CABINETS – SPECIFICATIONS	
Safety Door Shut-offs	Air blow-off nozzle
14-Gauge Steel Construction	Replaceable Reclaim Wear Plate
Safety Glass Throughout	External LED Lighting System
Perforated Steel Flooring	1/2" Brass/Steel Foot Valve
Adjustable Air Intake	Natural Rubber Vinyl Gloves
Durable Powder Coating	Easy Change Safety Glass Window

PART NUMBERS

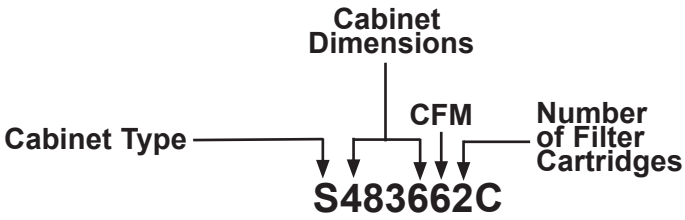
MOD-U-BLAST S-SERIES PRESSURE BLAST CABINETS									
						Work Space Dimensions			
CABINET MODEL	CFM	Reclaimer	Dust Bag	Filter Hopper Dust Collector	Reverse Pulse Dust Collector	A (H)	B (W)	C (D)	Empty Weight (lbs)
*10MANS36263B	300	x	10MAN11501			40	36	26	
*10MANS36263FH	300	x		10MANM300FH		40	36	26	
*10MANS36366B	600	x	10MAN11501			40	36	36	
*10MANS36366FH	600	x		10MANM600FH		40	36	36	690
*10MANS48266FH	600	x		10MANM600FH		40	48	26	
*10MANS48366B	600	x	10MAN11502			40	48	36	
*10MANS48366FH	600	x		10MANM600FH		40	48	36	973
10MANS48489FH	900	x		10MANM900FH		40	48	48	1283
10MANS60369FH	900	x		10MANM900FH		40	60	48	1248
10MANS60489FH	900	x		10MANM900FH		40	60	48	1378
10MANS363662C	600	x			10MANM6002C	40	36	36	1073
10MANS483662C	600	x			10MANM6002C	40	48	36	1183
10MANS484892C	900	x			10MANM9002C	40	48	48	1458
10MANS603692C	900	x			10MANM9002C	40	60	36	1413
10MANS604892C	900	x			10MANM9002C	40	60	48	1503

*stocked/on order to stock

Additional configurations available. Contact Allredi.

BLAST CABINET PART NUMBER BREAKDOWN

All cabinet interiors are 40 inches tall.



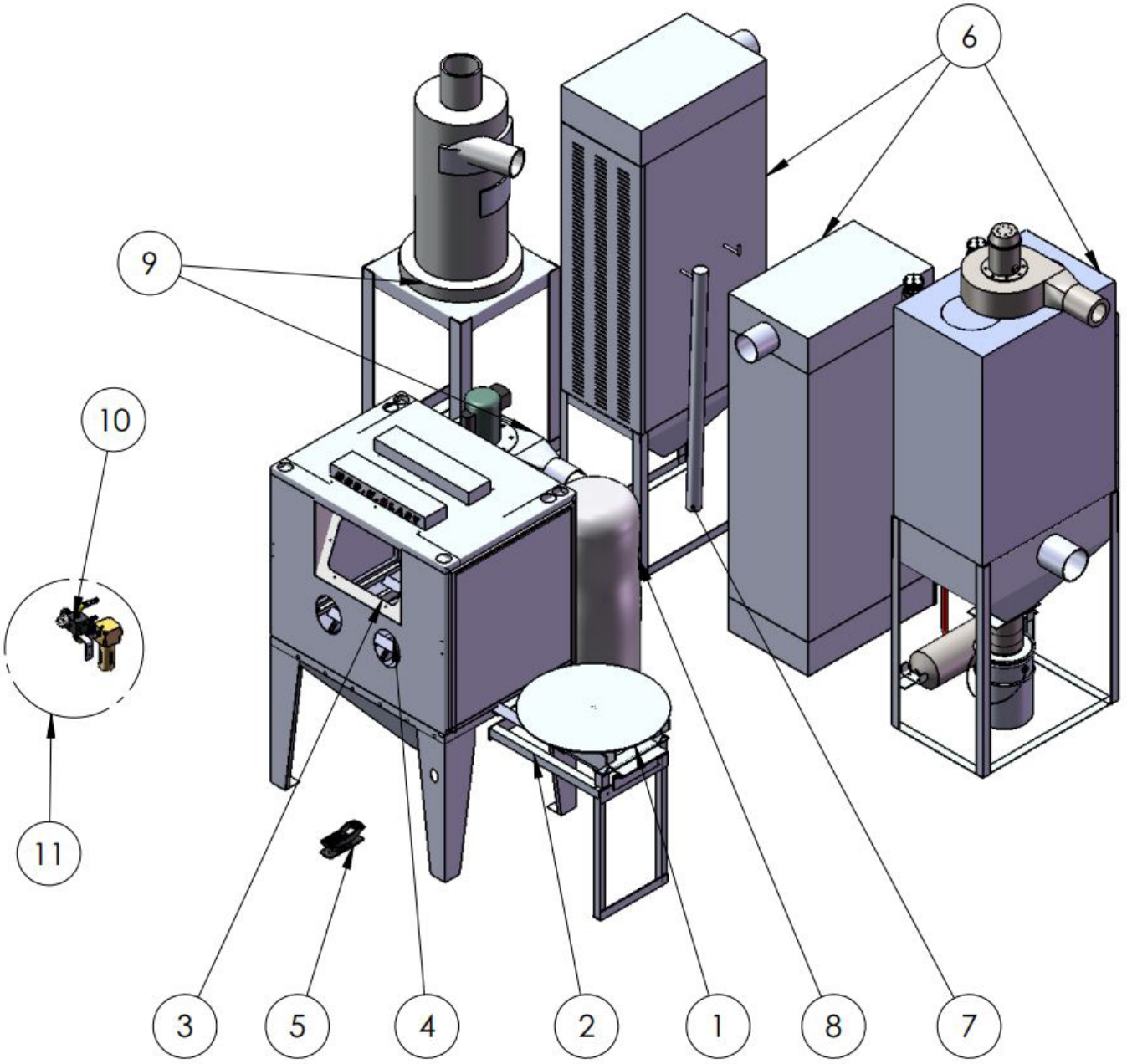
PART NUMBERS & SCHEMATICS

Figure 1: Mod-U-Blast S-Series Main Components

Item #	Part #	Description
Fig. 1		
1	10MAN0168902	20" Turntable with 30" Inside Track
—	10MAN0168903	20" Turntable with 36" Inside Track
—	10MAN0168904	20" Turntable with 48" Inside Track
—	10MAN0168905	20" Turntable with 60" Inside Track
—	10MAN0168913	30" Turntable with 36" Inside Track
—	10MAN0168914	30" Turntable with 48" Inside Track
—	10MAN0168915	30" Turntable with 60" Inside Track
—	10MAN0168954	36" Turntable with 48" Inside Track
—	10MAN0168955	36" Turntable with 60" Inside Track
2	10MAN0168702	30" Outside Track & Base with Hinge Lift Kit
—	10MAN0168703	36" Outside Track & Base with Hinge Lift Kit
—	10MAN0168704	48" Outside Track & Base with Hinge Lift Kit
—	10MAN0168705	60" Outside Track & Base with Hinge Lift Kit
3	12216	Safety Window
—	41117S	Plastic Window Protector *(Single)*
—	41117	Plastic Window Protector *(Package of 25)*
4	15210	Mod-U-Blast Neoprene Gloves 8.5"
—	15270	HD Natural Rubber Gloves 8.5"
—	15280	HD Neoprene Gloves 8.5"
5	16190M	1/2" Mod-U-Blast Foot Pedal - Complete
6	10MANM300F	300 CFM Dry Filter
—	10MANM600F	600 CFM Dry Filter
—	10MANM900F	900 CFM Dry Filter
—	10MANM300FH	300 CFM Filter with Hopper
—	10MANM600FH	600 CFM Filter with Hopper
—	10MANM900FH	900 CFM Filter with Hopper
—	10MANM1200FH	1200 CFM Filter with Hopper
—	10MANM6002C	600 CFM Reverse Pulse Dust Collector
—	10MANM9002C	900 CFM Reverse Pulse Dust Collector
—	10MAN011507	600/900 CFM Dust Collector Filter Cartridge
7	10MAN011503	600/900/1200 CFM Dry FIlter Sock
8	10MAN11501	300 CFM Dust Bag - 5" Inlet
—	10MAN11502	600 CFM Dust Bag - 6" Inlet
9	10MANM300REC	300 CFM Reclaimer
—	10MANM600REC	600 CFM Reclaimer
—	10MANM900REC	900 CFM Reclaimer
10	10MAN50330	3/8" Regulator
—	10MAN50335	1/2" Regulator
—	10MAN50350	3/4" Regulator
11	FREG07	Filter Regulator Assembly

PART NUMBERS & SCHEMATICS

Figure 1: Mod-U-Blast S-Series Main Components



PART NUMBERS & SCHEMATICS

Figure 2: S-Series Cabinet Parts - Side View

Item #	Part #	Description
Fig. 2		
1	ZLAMPB	Light Housing
2	12215A	Window
3	43518S	Window Protector
4	16540	Trim Lok - 5 Ft.
5	16540	Trim Lok - 5 Ft.
6	41117S	Window Protector
7	12216	Window
8	16053	Window Frame
9	12535	Glove Clamp
10	15210	Glove Set *(Set of Two)*
	15211	Left Glove Only
	15212	Right Glove Only
11	ZF4836X	11 Gauge Perforated Flooring - *Medium Duty, ideal for Glass Bead abrasive*
	ZF4836H	3 Gauge Perforated Flooring - *Heavy-Duty, ideal for Aluminum Oxide abrasive* *(Fits 48" x 36" Cabinets)*
12	ZPL6F	Cabinet Hopper Flange
13	ZLAMPX	Mod-U-Blast Light Housing
—	16364	LED Bulb *(Two Required)*

PART NUMBERS & SCHEMATICS

Figure 2: S-Series Cabinet Parts - Side View

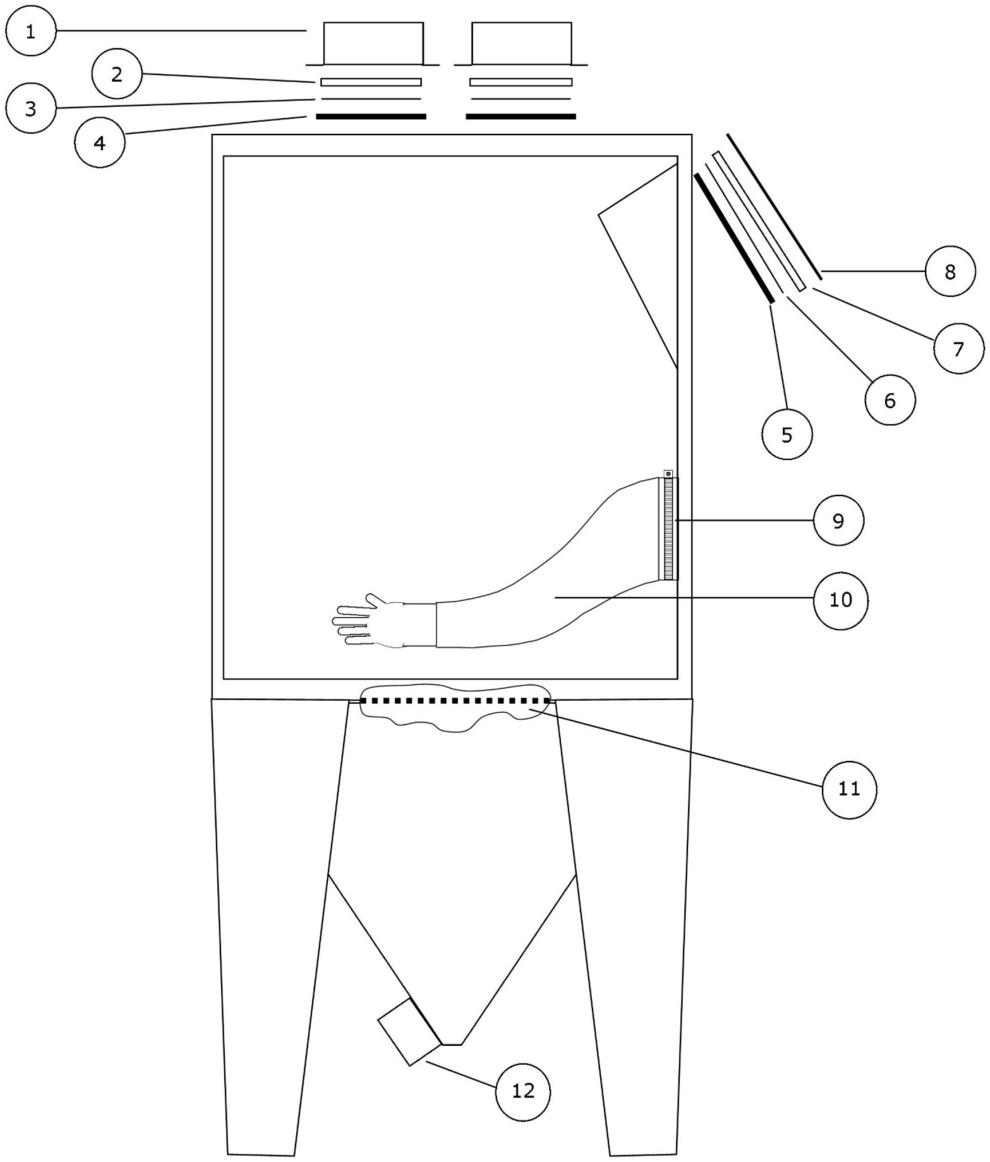


Figure 3: S-Series Cabinet Parts - Front View

Item #	Part #	Description
Fig. 3		
1	12202	Door Safety Switch
2	124332	Door Gasket
3	16371	Light Switch
4	ZDR36	Right Door
5	ZHANDLE	Door Handle
6	ZLATCH	Door Latch
7	—	Viewing Window *(See Fig. 2)*
8	16542	Glove Trim
9	ZDL36	Left Door
10	16190M	Foot Pedal
11	16052	Window Frame, 4 Holes
12	16051	Mylar Film Dispenser, 12"
—	41118	Mylar Film Roll

PART NUMBERS & SCHEMATICS

Figure 3: S-Series Cabinet Parts - Front View

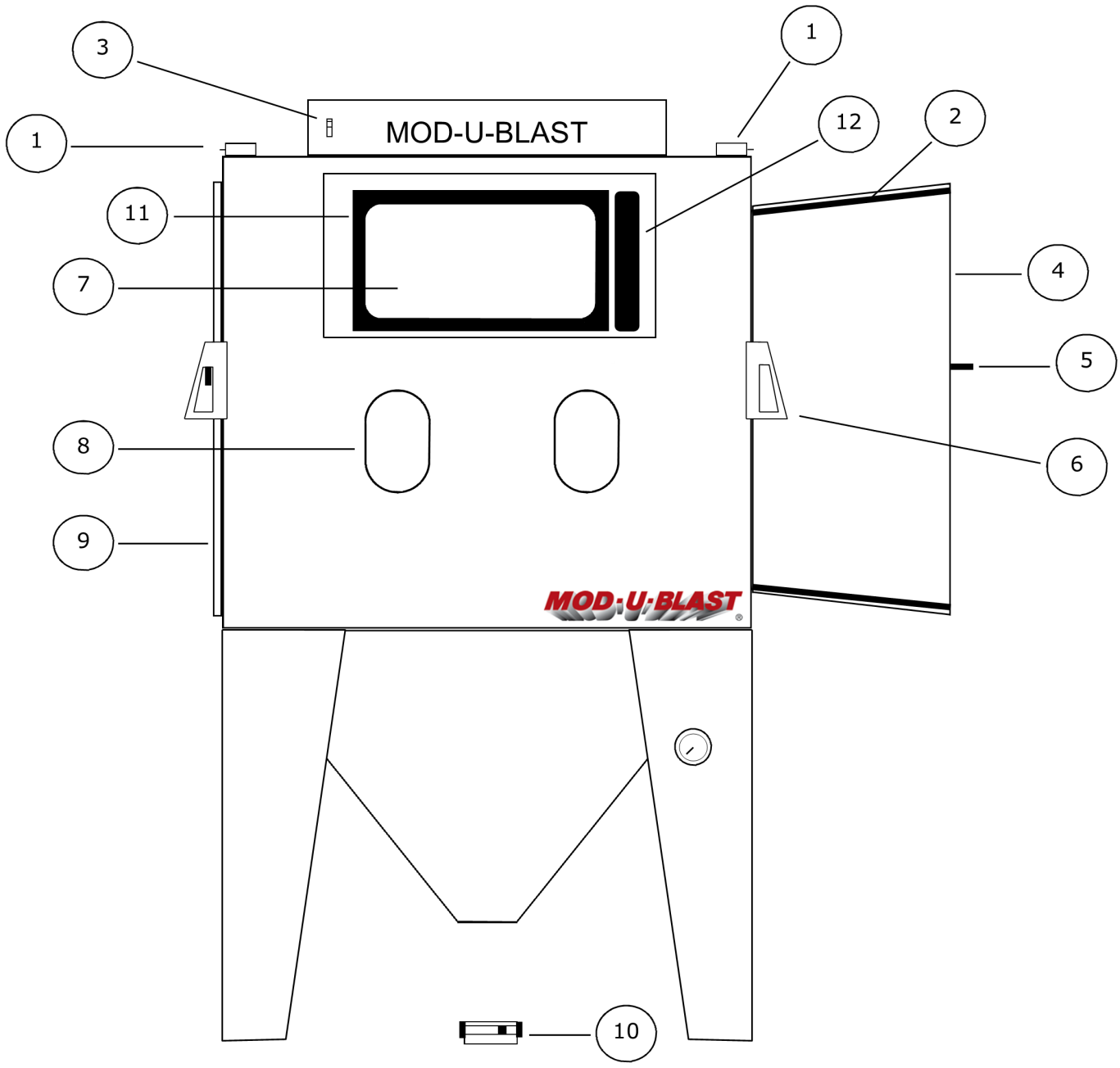
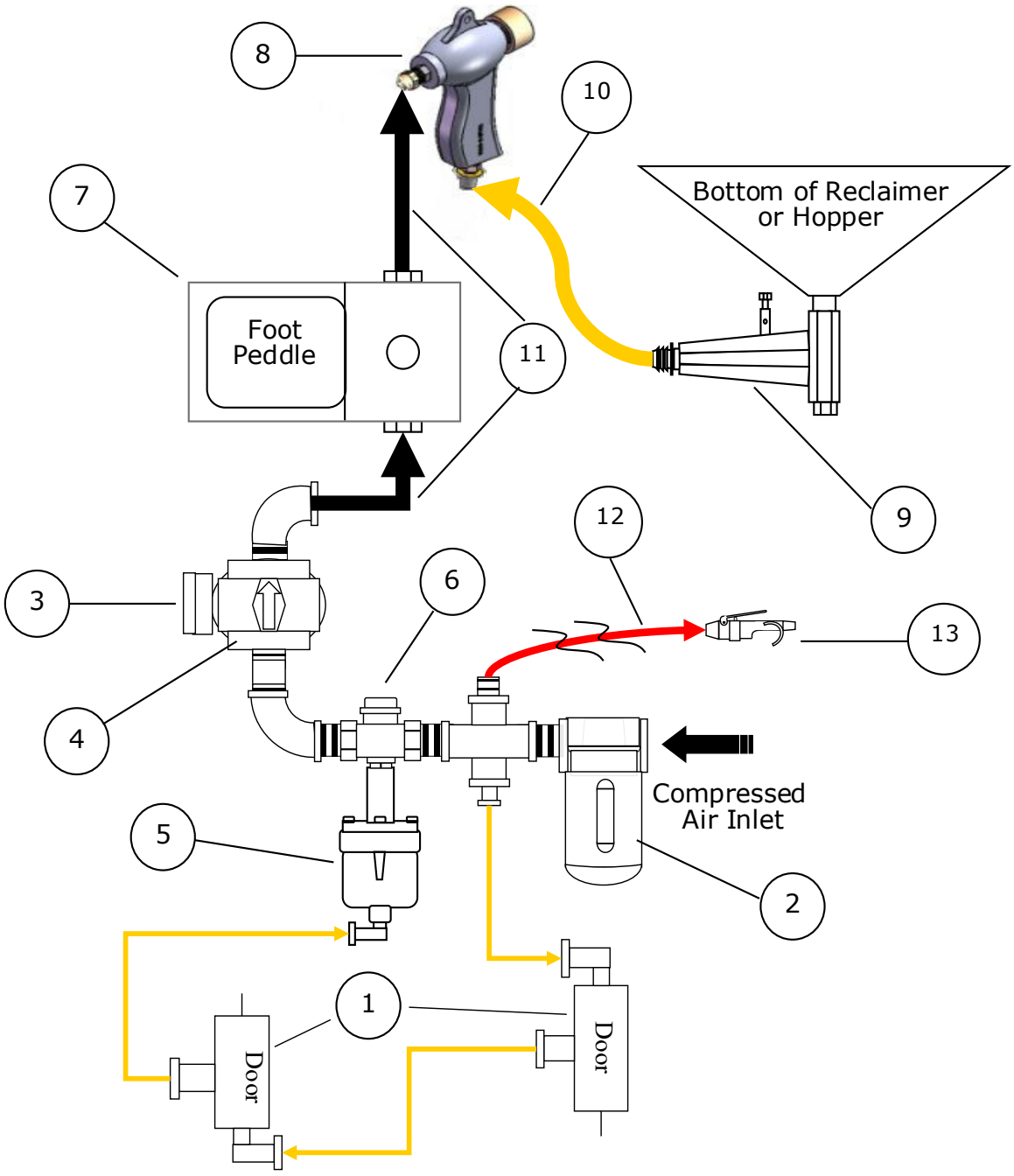


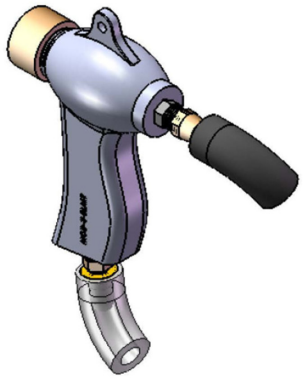
Figure 4: S-Series Air Flow Diagram

Item #	Part #	Description
Fig. 4		
1	12202	Door Switch
2	50150	Moisture Filter
3	55415	Pressure Gauge
4	50-3350	1/2" Regulator
5	16183	1/2" Safety Valve
6	16178	1/2" Actuator
7	16190M	Suction Cabinet Foot Pedal
8	12301	#4 Mod-U-Blast Suction Gun
—	12302	#5 Mod-U-Blast Suction Gun
9	16025	Suction Metering Valve
10	12MED	1/2" Clear Media Hose
11	12PUSH	1/2" Air Hose
12	14AIR	1/4" Air Line
13	60110P	Blow Gun

Figure 4: S-Series Air Flow Diagram



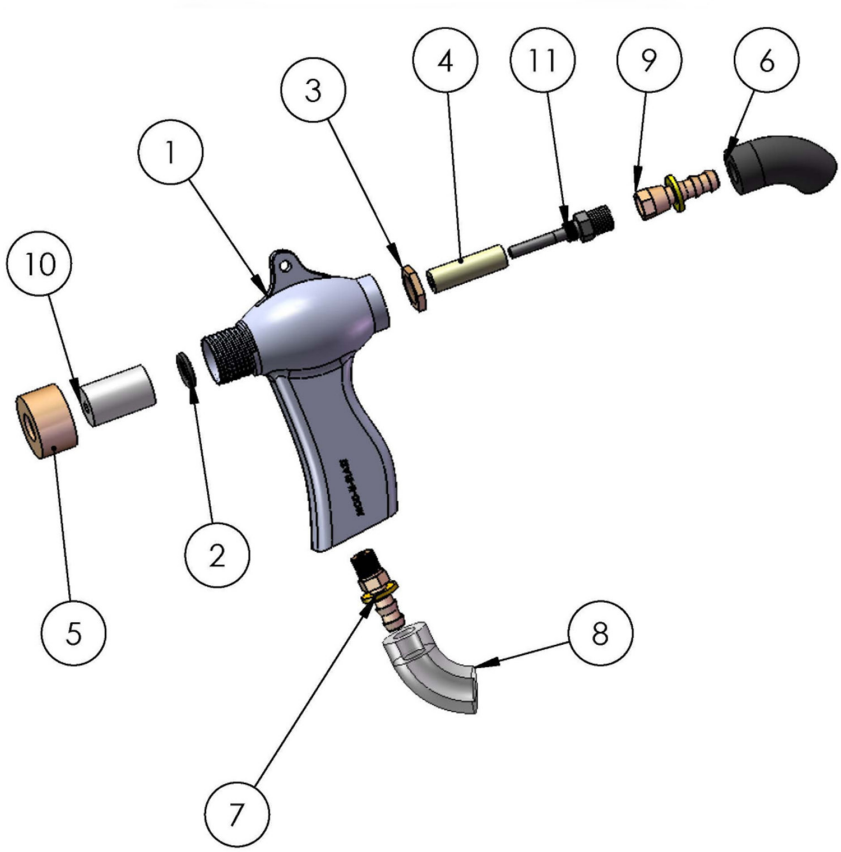
PART NUMBERS & SCHEMATICS



MOD-U-BLAST SUCTION GUNS

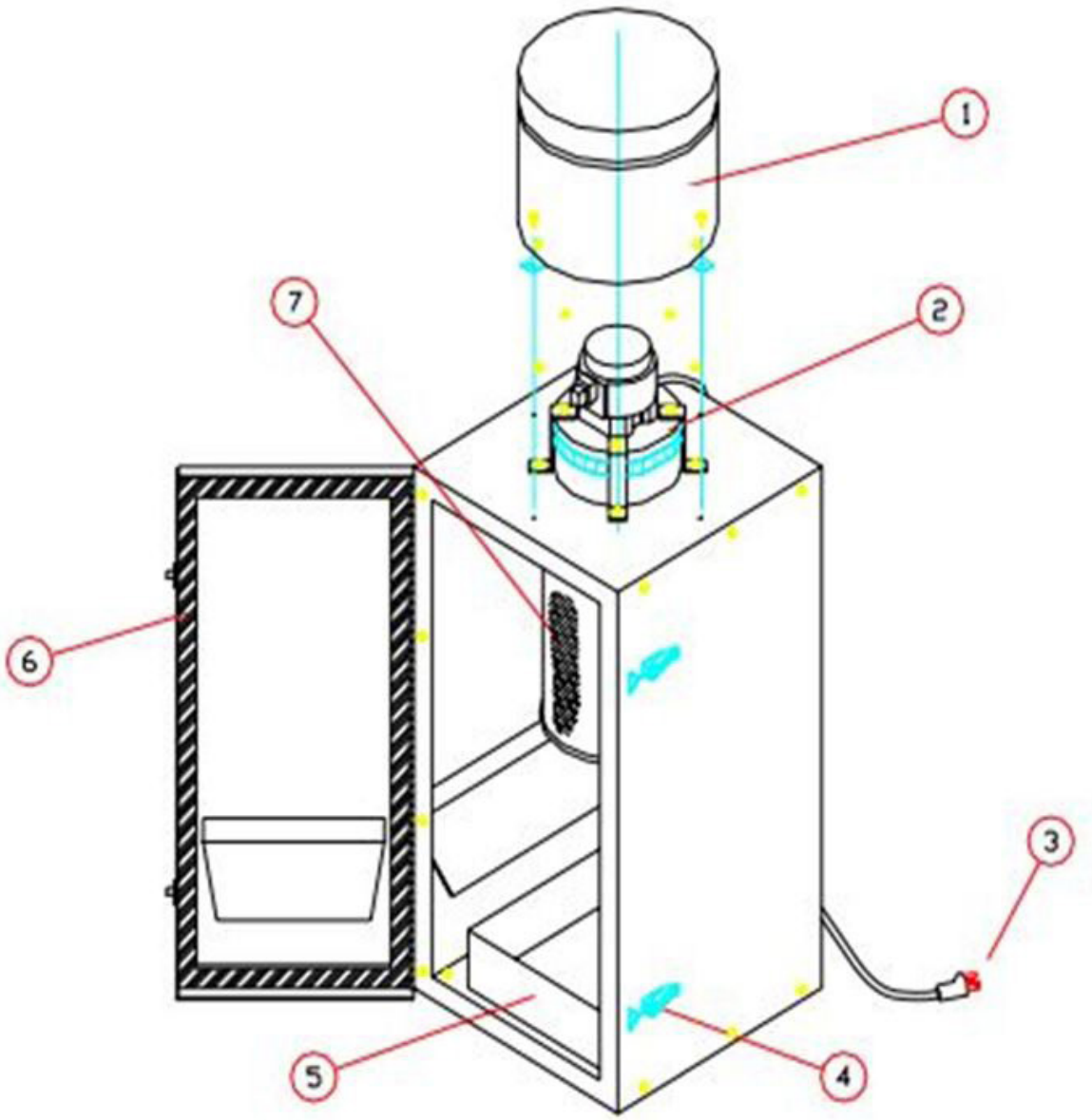
PART NUMBER	Size	Ceramic	Tungsten Carbide	Boron Carbide
10MAN12300	#3.5	X		
10MAN12301	#4	X		
10MAN12302	#5	X		
10MAN12304	#6	X		
10MAN12301T	#4		X	
10MAN12302T	#5		X	
10MAN12303T	#6		X	
10MAN12302B	#5			X
10MAN12303B	#6			X

Figure 5: Mod-U-Blast Suction Gun



Item #	Part #	Description
Fig. 5		
1	11802	Mod-U-Blast Gun Body
2	12031	Nozzle O-Ring
3	11913	Air Jet Hex Nut
4	11913	Air Jet Sleeve
5	11914	Nozzle Holder, Brass Nut
6	12PUSH	1/2" Media Hose
7	11724	3/8" Lock Barb Fitting *(Air Inlet)*
8	12MED	1/2" Clear Media Hose
9	11723	3/8" Swivel Fitting *(Air Inlet)*
10	36664	#4 Ceramic Nozzle
—	36665	#5 Ceramic Nozzle
—	36666	$6 Ceramic Nozzle
—	35934	#4 Boron Carbide Nozzle
—	35935	#5 Boron Carbide Nozzle
—	35936	#6 Boron Carbide Nozzle
11	12341	#3.5 Air Jet
—	12342	#4 Air Jet
—	12343	#5 Air Jet
—	12344	#6 Air Jet

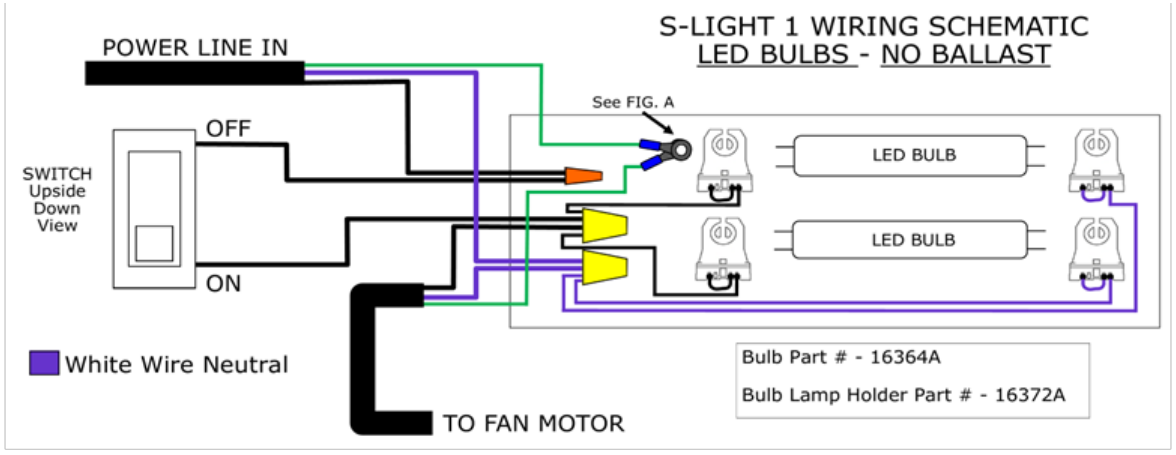
Figure 6: 150 CFM Dust Collector

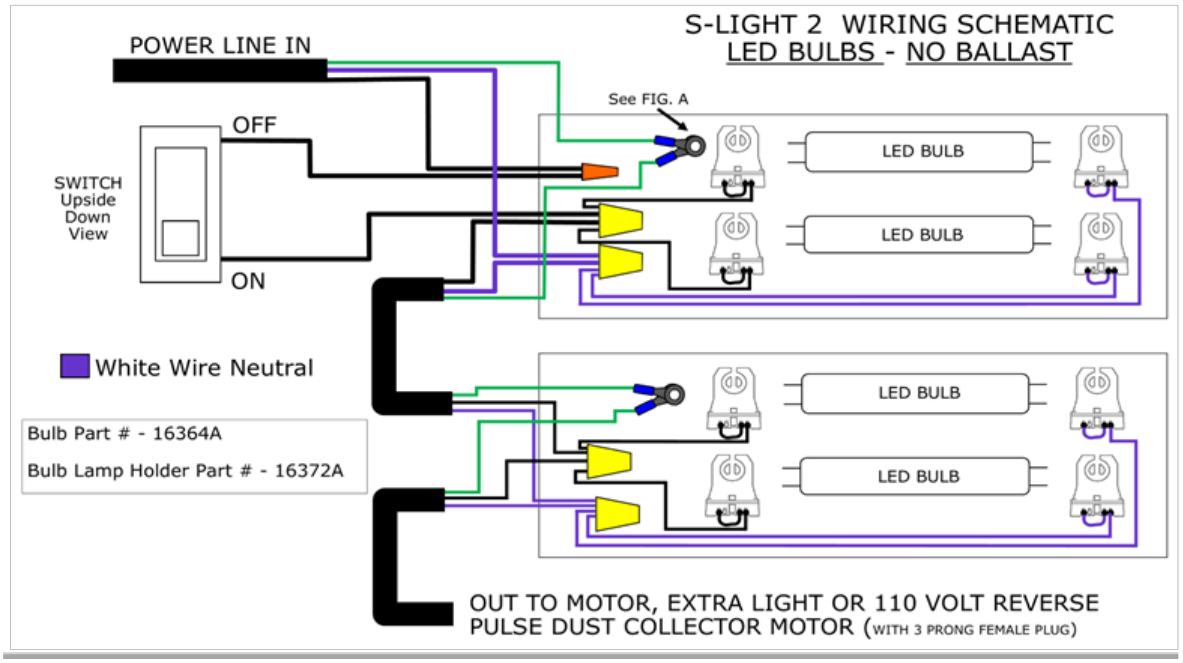


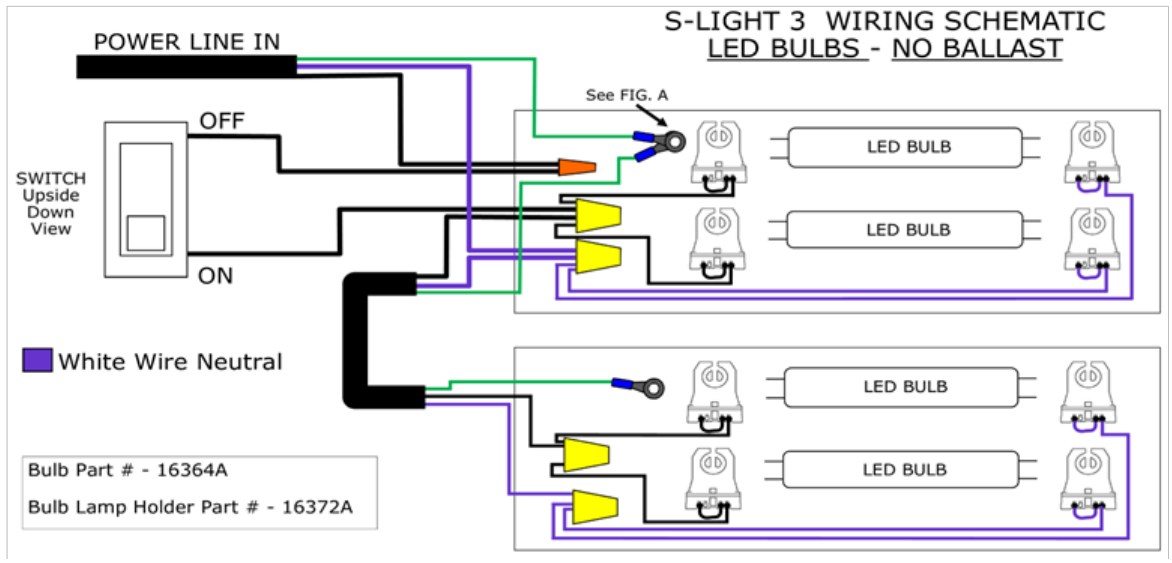
Item #	Part #	Description
Fig. 6		
1	16564M	Motor Cover
2	16560	Vacuum Motor
3	16376A	3 Wire Electrical Cord
4	ZCATCH	Adjustable Door Catch
5	16568	Dust Pan
6	12433-2	1" x 1/4" Foam Sealer
7	16565	Dust Collector Filter Cartridge

Figure 7: S-Series Lighting - LED, No Ballasts *(all units produced after July 2023)*

LED Bulb: 16372A
Bulb Lamp Holder: 16372A

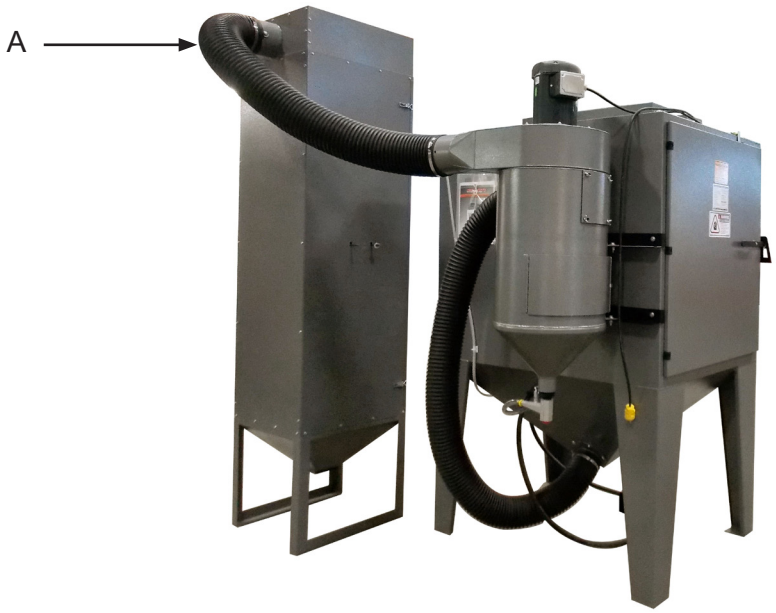






DUCT HOSE

Hose A: Reclaimer to Dust Collector



Part Number	RECLAIMER TO DRY FILTER DUST COLLECTOR			
	Cabinet CFM	Hose I.D.	Hose Length	Hose Type
10MAN16050	300	5"	5 Ft.	Medium-Duty
10MAN16060	600	6"	5 Ft.	Medium-Duty
10MAN16070	900	7"	7 Ft.	Medium-Duty

Part Number	RECLAIMER TO REVERSE PULSE DUST COLLECTOR			
	Cabinet CFM	Hose I.D.	Hose Length	Hose Type
10MAN16060	300	6"	6 Ft.	Medium-Duty
10MAN16070	600	7"	7 Ft.	Medium-Duty
10MAN16080	900	8"	8 Ft.	Medium-Duty

	MEDIUM-DUTY HOSE CLAMPS					
	Part Number	Hose I.D.	Clamp Min	Clamp Max	Clamp Material	Clamp Type
	10MAN11577	4"	1-56/64"	5"	Stainless Steel	Medium-Duty
	10MAN11578	5"	3-8/64"	6"	Stainless Steel	Medium-Duty
	10MAN11579	6"	3-40/64"	6-32/64"	Stainless Steel	Medium-Duty

DUCT HOSE

Hose B: Pressure Cabinet Hopper to Reclaimer

PRESSURE CABINET TO RECLAIMER HOSES				
Part Number	Cabinet CFM	Hose I.D.	Hose Length	Hose Type
10MAN16040RL	300	4"	8 Ft.	Heavy-Duty
10MAN16050RL	600	5"	8 Ft.	Heavy-Duty
10MAN16060RL	900	6"	10 Ft.	Heavy-Duty

	HEAVY-DUTY HOSE CLAMPS					
	Part Number	Hose I.D.	Clamp Min	Clamp Max	Clamp Material	Clamp Type
	10MAN11567	4"	4.13"	4.44"	Plated Steel	Heavy-Duty
	10MAN11568	5"	5.13"	5.44"	Plated Steel	Heavy-Duty
	10MAN11569	6"	6.25"	6.56"	Plated Steel	Heavy-Duty

MAINTENANCE NOTES

DATE	TYPE OF SERVICE	PART NUMBER

MAINTENANCE NOTES

DATE	TYPE OF SERVICE	PART NUMBER

ALLREDI THERE

Serving these industries: Bridge, Pipeline, Tank & Tower, Concrete Services, Rail, Shipyard & Marine, Pools & Fountains, and Foundry

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