



MARCO® 1600 CFM AIR DRYERS



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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PART NUMBERS

MARCO® 1600 CFM AIR DRYER									
Part Numbers	Inlet			Outlet			Power Source	Filter, Regulator, and Lubricator	Electric Starter Box
	Inlet Quantity	Inlet Size	Fittings	Outlet Quantity	Outlet Size	Fittings			
10101670	1	3"	Not Included	5	(2) 3", (1) 1-1/4", (2) 1"	Not Included	Pneumatic	Included	Not Included
10101671	1	3"	Not Included	5	(2) 3", (1) 1-1/4", (2) 1"	Not Included	230-Volt AC	Not Included	Included

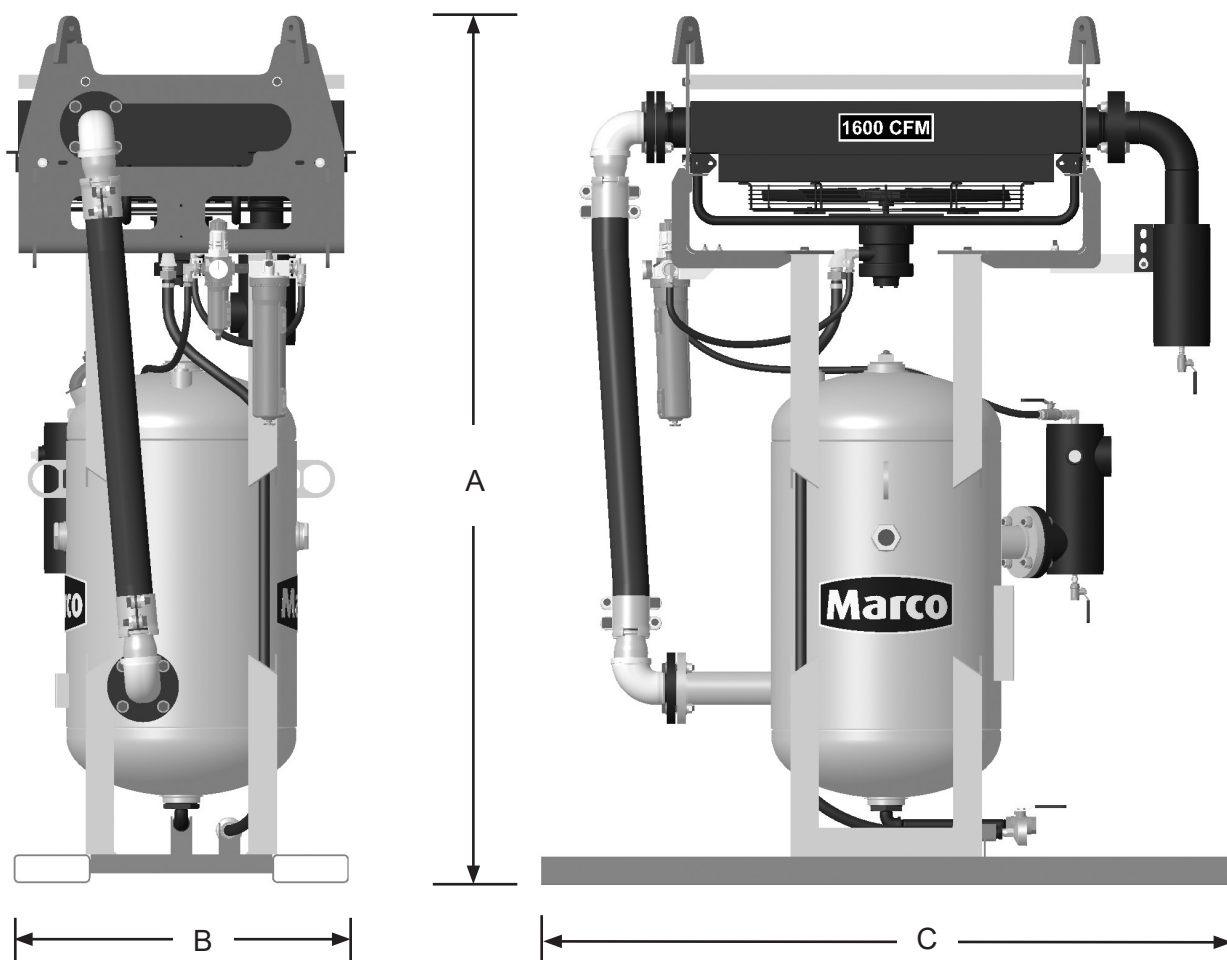
Dessicant tablets not included with Marco® 1600 CFM Air Dryers

SPECIFICATIONS

Lubrication: SAE 10 oil or Air Tool Anti-freeze Lubricant

Empty Weight: 1390 Pounds

Overall Dimensions: A: 91"
B: 35"
C: 72"



Pneumatic model shown. Electric model has same dimensions.

PART NUMBERS & SCHEMATICS

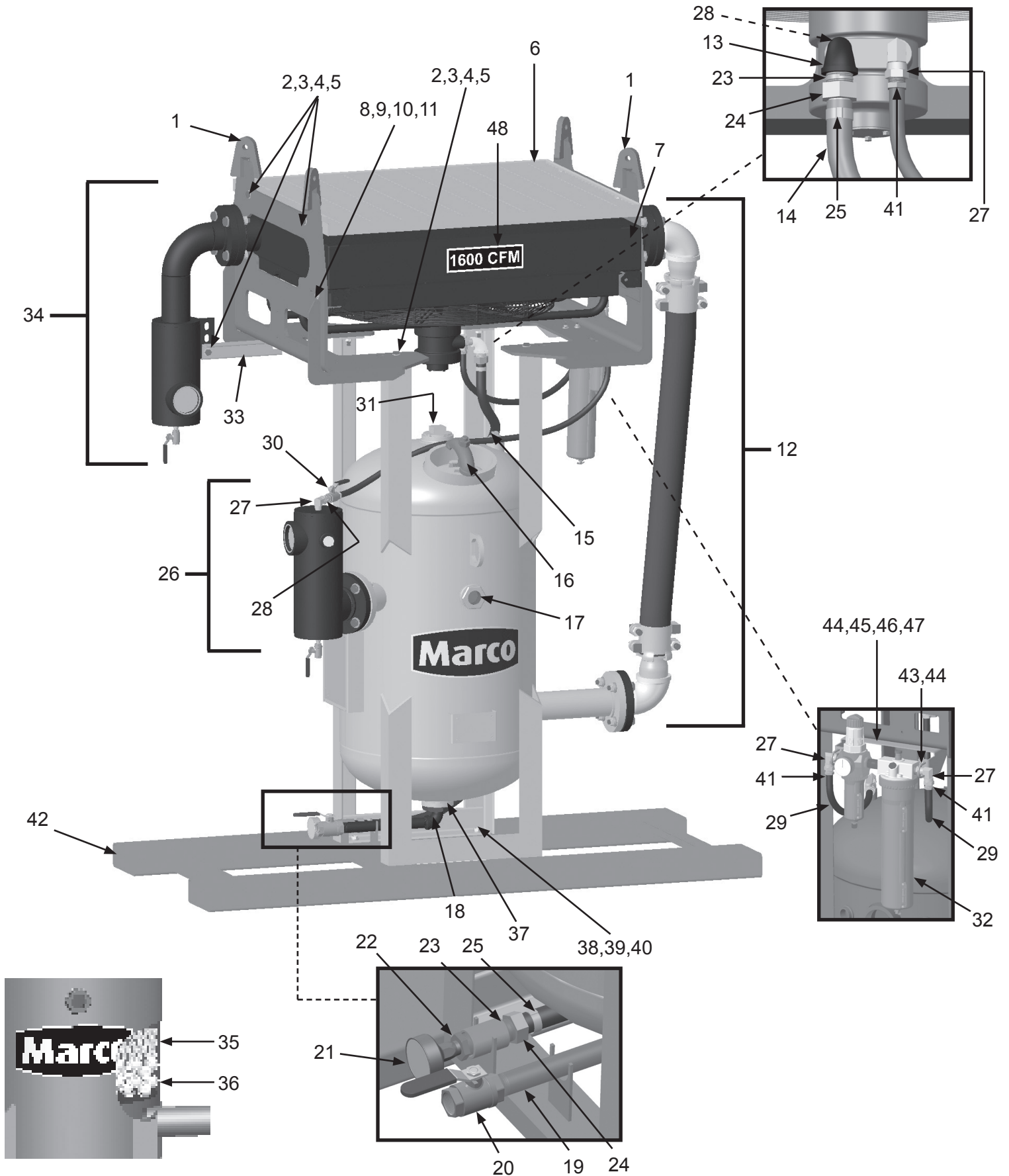
Marco® 1600 CFM Air Dryer—Pneumatic

Item #	Part #	Description
Fig. 1		
—	10101670	Marco® 1600 CFM Air Dryer – Pneumatic
1	10101033	950-1600 CFM Heat Exchanger Mounting Bracket <i>(Two Required)</i>
2	10101943	1/2-13 x 1-1/2" Bolt Galvanized <i>(10 Required)</i>
3	10100674	1/2" Flat Washer Galvanized <i>(16 Required)</i>
4	10100675	1/2" Split Lock Washer Galvanized <i>(10 Required)</i>
5	10101941	1/2-13 Hex Nut Galvanized <i>(10 Required)</i>
6	10101166	Heat Exchanger Protective Grate
7	—	Aftercooler Core Assembly - Complete <i>(See Fig.3)</i>
8	10101059	3/8-16 x 1-1/4" Bolt Galvanized <i>(Four Required)</i>
9	10101942	3/8" Flat Washer Galvanized <i>(Eight Required)</i>
10	10L805015	3/8" Lock Washer Galvanized <i>(Four Required)</i>
11	10101938	3/8-16 Hex Nut Galvanized <i>(Four Required)</i>
12	—	Transfer Hose Assembly <i>(See Fig.5)</i>
13	10101002	1/2" x 1" NPT Reducing Elbow
14	10AH100	1" I.D. Air Hose <i>(Per Foot)</i>
15	1011902	1-1/4" NPT Plug
16	—	Inspection Door Assembly <i>(See Fig.8)</i>
17	10101688	2" NPT Sight Glass
18	1011801	1" NPT Street Elbow
19	10101064	1" x 12" NPT Pipe Nipple
20	1011601	1" NPT Full Port Ball Valve
21	10101800	Aftercooler Exhaust Muffler – 950 CFM–1600 CFM
22	1011812	1" Male x 1/2" Female Bushing
23	1012151	1" Galvanized Close Nipple
24	10SFE2	1" Female Swivel <i>(Two Required)</i>

Item #	Part #	Description
25	10AHCL1	Band Clamp <i>(Two Required)</i>
26	—	Outlet Filter Assembly <i>(See Fig.9)</i>
27	10SAP1290	1/2" 90° Swivel <i>(Four Required)</i>
28	20100677	1/2" x 1/2" Nipple <i>(Two Required)</i>
29	10AH012	1/2" I.D. Air Hose <i>(Per Foot)</i>
30	10L363	Ball Valve
31	10101034	3" NPT Galvanized Pipe Plug
32	10105890	Filter/Regulator/Lubricator with Pressure Gauge <i>(See Fig.7)</i>
33	10101170	Moisture Separator Brace
34	—	Inlet Filter Assembly <i>(See Fig.6)</i>
35	—	Desiccant Tablets - <i>Not Included (See Fig.10)</i>
36	10103922	Spherical Tower Packing <i>(See Fig.10)</i>
37	10101844	3" NPTM x 1" NPTF Bushing
38	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc <i>(Four Required)</i>
39	10107496	1/2-13 Grade 8 Lock Nut Zinc <i>(Four Required)</i>
40	10104711	1/2" Grade 8 Flat Washer Zinc <i>(Eight Required)</i>
41	10PAF050	1/2" Push-on Hose Fitting <i>(Four Required)</i>
42	10101024	Skid Weldment
43	10109052	U-Bolt <i>(Two Required)</i>
44	10101940	1/4" Flat Washer <i>(12 Required)</i>
45	10108281	Mounting Bracket
46	10105903	1/4-20 x 1-1/4" Hex Bolt <i>(Four Required)</i>
47	10101939	1/4-20 Stainless Steel Lock Nut with Nylon Insert <i>(Four Required)</i>
48	1094538	1600 CFM Product Sticker
—	106M117	Part Numbers and Schematics Guide – Marco® 1600 CFM Air Dryer
—	1090117	Operator's Manual – Marco® 1600 CFM Air Dryer
—	1094045	Hazard Identification Tag
—	1070517	Pneumatic Tool Oil — 32 oz.

PART NUMBERS AND SCHEMATICS

Figure 1: Marco® 1600 CFM Air Dryer—Pneumatic



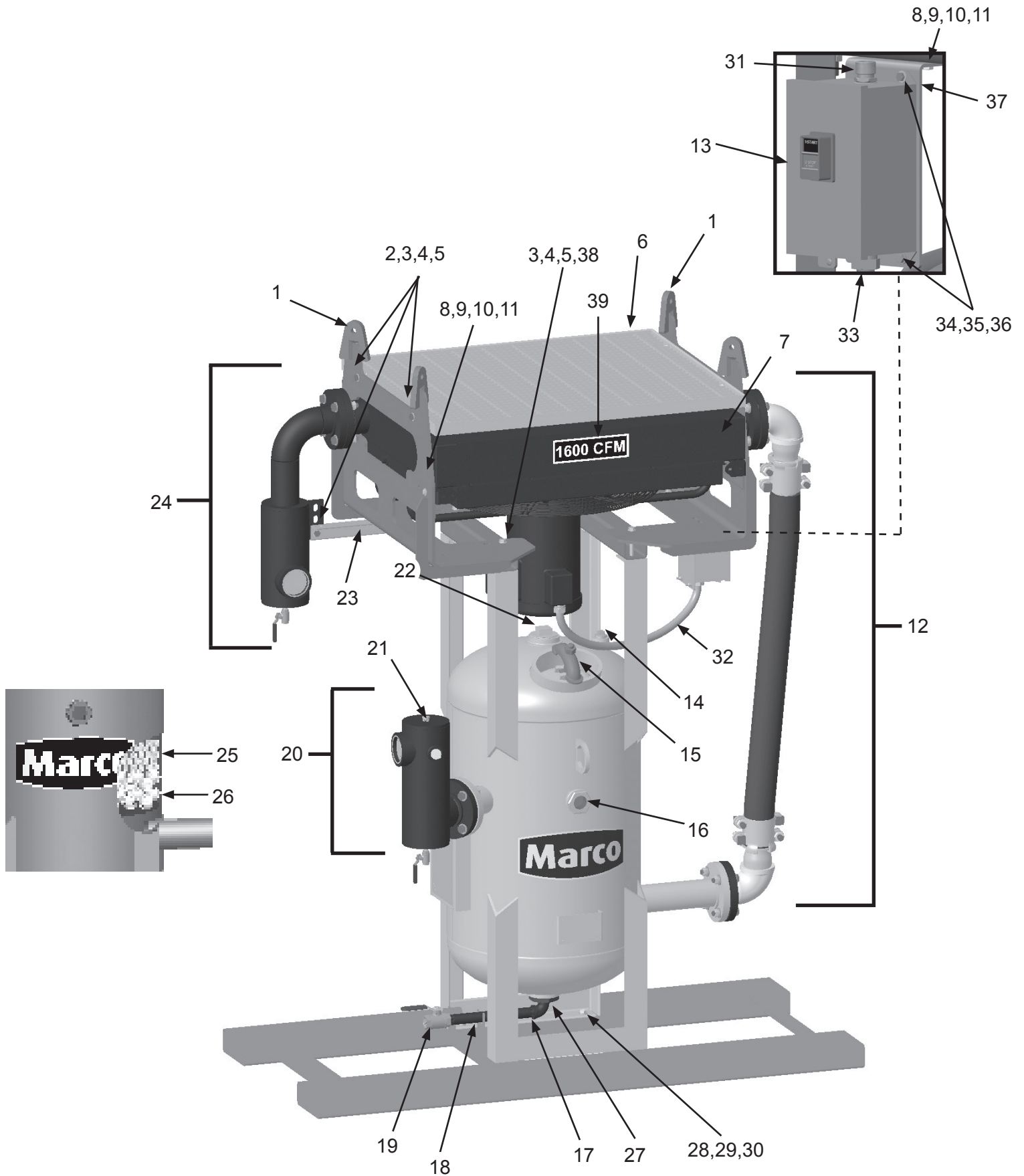
PART NUMBERS AND SCHEMATICS

Marco® 1600 CFM Air Dryer—Electric

Item #	Part #	Description
Fig. 2		
—	10101671	Marco® 1600 CFM Air Dryer – Electric
1	10101033	950-1600 CFM Heat Exchanger Mounting Bracket (<i>Two Required</i>)
2	10101943	1/2-13 x 1-1/2" Bolt Galvanized (<i>Six Required</i>)
3	10100674	1/2" Flat Washer Galvanized (<i>16 Required</i>)
4	10100675	1/2" Split Lock Washer Galvanized (<i>10 Required</i>)
5	10101941	1/2-13 Hex Nut Galvanized (<i>Six Required</i>)
6	10101166	Heat Exchanger Protective Grate
7	—	1600 CFM Aftercooler Core Assembly - Complete (See Fig. 4)
8	10101059	3/8-16 x 1-1/4" Bolt Galvanized (<i>Six Required</i>)
9	10101942	3/8" Flat Washer Galvanized (<i>12 Required</i>)
10	10L805015	3/8" Lock Washer Galvanized (<i>Six Required</i>)
11	10101938	3/8-16 Hex Nut Galvanized (<i>Six Required</i>)
12	—	Transfer Hose Assembly (See Fig. 5)
13	10108792	Electric Motor Starter Box – Single Phase
14	1011902	1-1/4" NPT Plug
15	—	Inspection Door Assembly (See Fig. 8)
16	10101688	2" NPT Sight Glass
17	1011801	1" NPT Street Elbow
18	10101064	1" x 12" NPT Pipe Nipple
19	1011601	1" NPT Full Port Ball Valve
20	—	Outlet Filter Assembly (See Fig. 9)
21	20PFHA24ST08	1/2" NPT Pipe Plug
22	10101034	3" NPT Galvanized Pipe Plug
23	10101170	Moisture Separator Brace

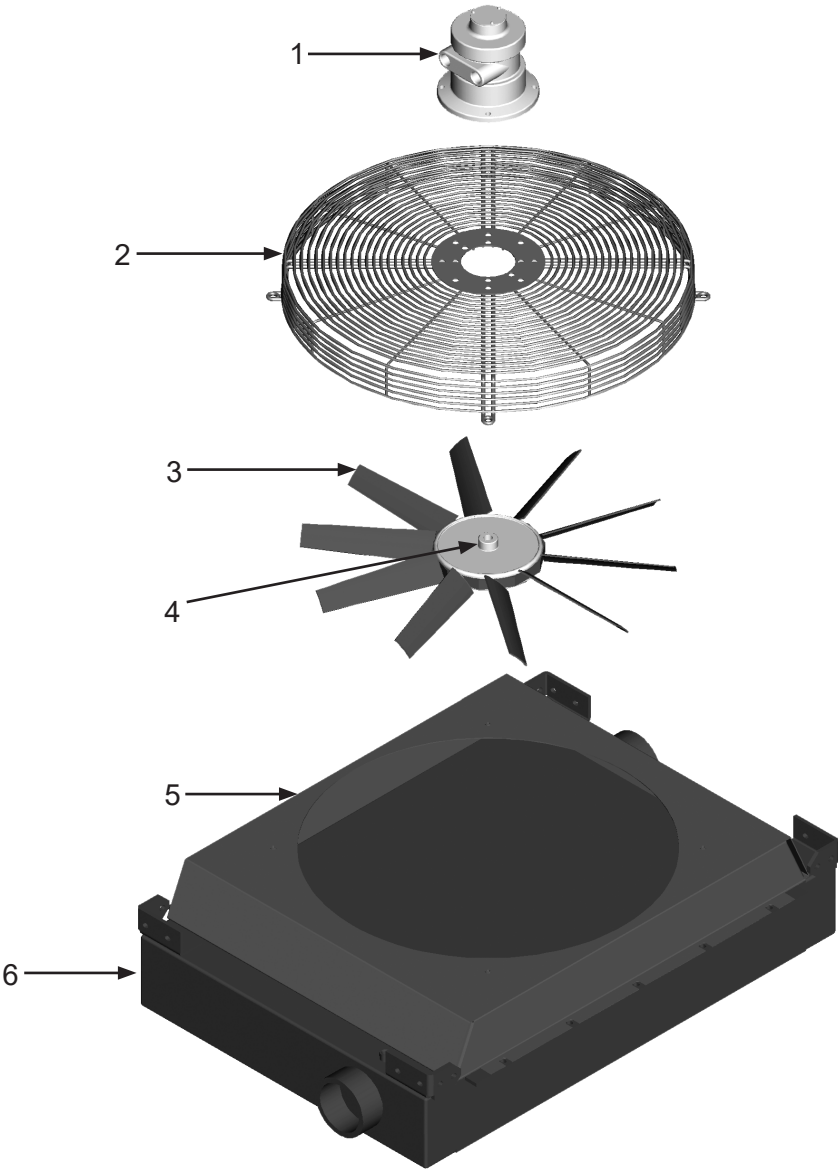
Item #	Part #	Description
24	—	Inlet Filter Assembly (See Fig. 6)
25	—	Desiccant Tablets - <i>Not Included</i> (See Fig. 10)
26	10103922	Spherical Tower Packing (See Fig. 10)
27	10101844	3" NPTM x 1" NPTF Bushing
28	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc (<i>Four Required</i>)
29	10107496	1/2-13 Grade 8 Lock Nut Zinc (<i>Four Required</i>)
30	10104711	1/2" Grade 8 Flat Washer Zinc (<i>Eight Required</i>)
31	20101197	3/4" NPT Cord Grip
32	10103304	3/4" Flexible Conduit
33	10103303	3/4" Conduit Hub (<i>Two Required</i>)
34	1012154	1/4-20 x 1" Hex Bolt Zinc (<i>Four Required</i>)
35	1014017	1/4" Flat Washer Zinc (<i>Eight Required</i>)
36	1012323	1/4"-20 Lock Nut Zinc (<i>Four Required</i>)
37	10108830	Motor Starter Bracket
38	20100160	1/2-13 x 4-1/2" Bolt Galvanized (<i>Four Required</i>)
39	1094538	1600 CFM Product Sticker
—	10108799	Thermal Unit - Full Load Current 23.2 - 27.1 Amps
—	106M117	Part Numbers and Schematics Guide – Marco® 1600 CFM Air Dryer
—	1090117	Operator's Manual – Marco® 1600 CFM Air Dryer
—	1091017	Hazard Identification Tag

Figure 2: Marco® 1600 CFM Air Dryer—Electric



PART NUMBERS AND SCHEMATICS

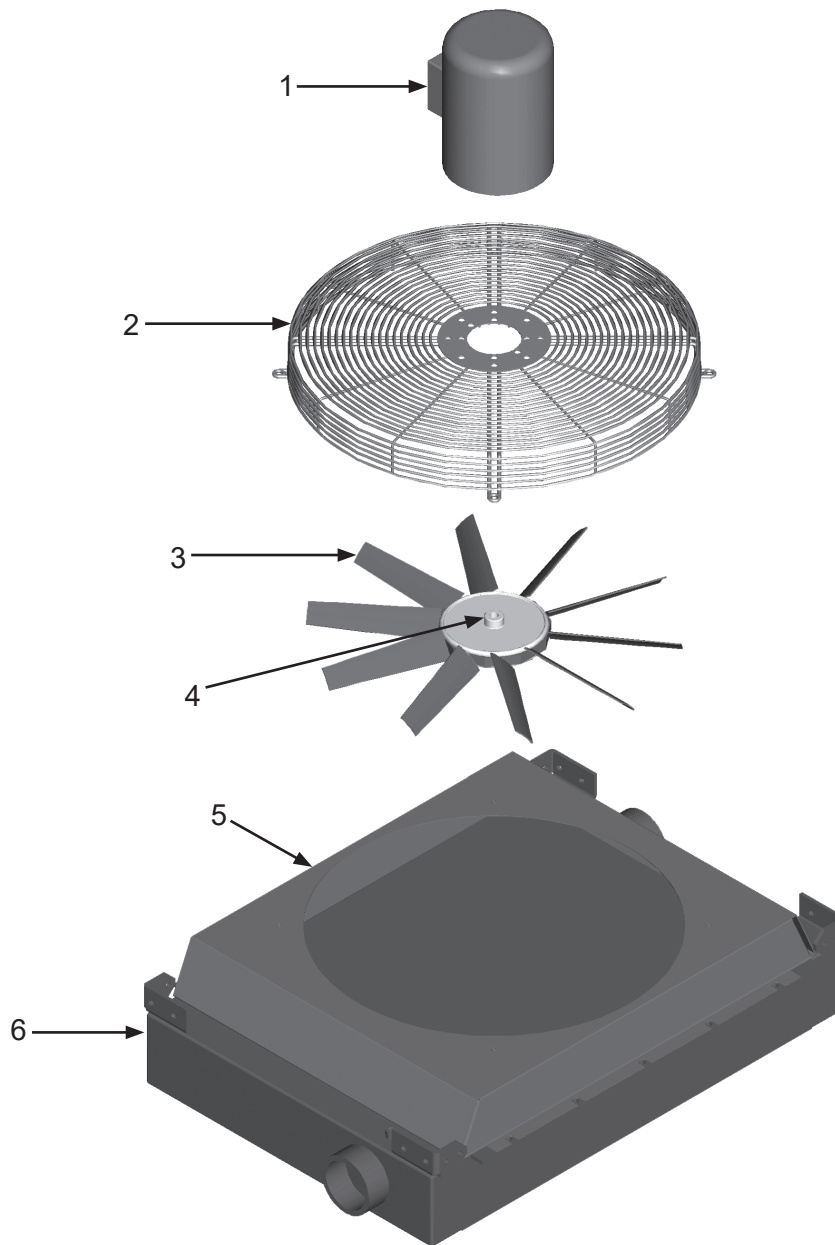
Figure 3: Aftercooler Assembly—Pneumatic



Item #	Part #	Description
Fig. 3		
—	10TTAHP16005	1600 CFM Aftercooler Core Assembly – Complete
1	10101804	Air Motor
2	10101808	Fan Guard
3	10101806	Fan Blades (Includes Blades and Hub)
4	10101807	Fan Bushing
5	1014172	Fan Shroud
6	10TTAHP1600C	Aftercooler Core
—	1070517	Pneumatic Tool Oil - 32 oz.
—	10101805	Air Motor Service Kit (Includes: shaft seal, drive end bearing, dead end bearing, four vanes, four push pins, four vane springs, shim, end cap gasket, muffler cartridge, and muffler felt)

PART NUMBERS AND SCHEMATICS

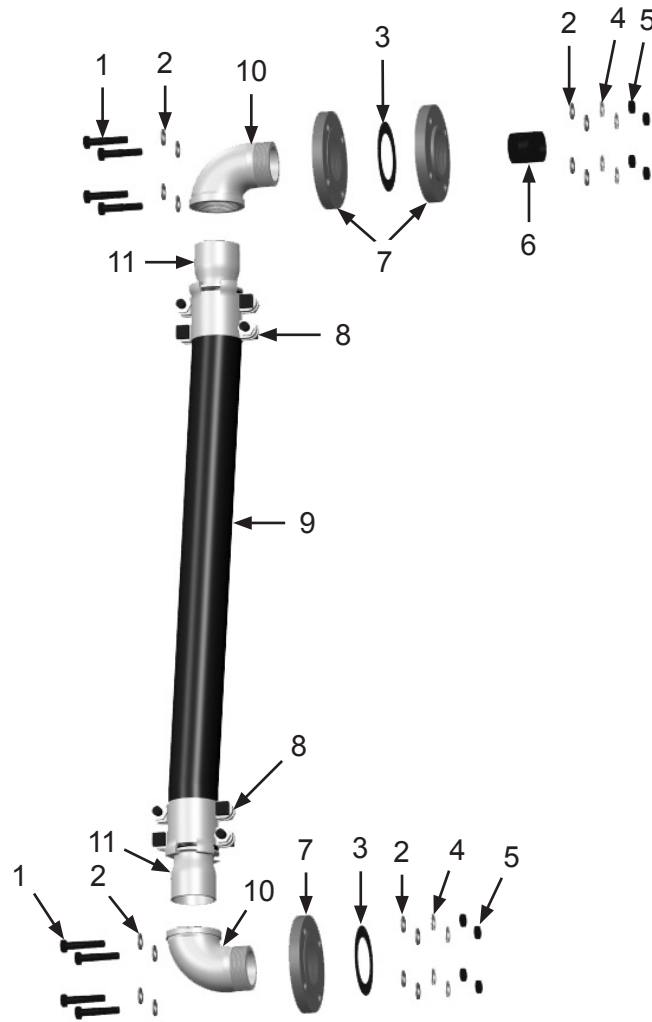
Figure 4: Aftercooler Assembly—Electric



Item #	Part #	Description
Fig. 4		
—	10TTAHP16002	1600 CFM Aftercooler Core Assembly - Complete
1	10101809	Electric Motor – (115V/208-230V) – Single Phase
2	10101808	Fan Guard
3	10101806	Fan Blades (Includes Blades and Hub)
4	10101807	Fan Bushing
5	1014172	Fan Shroud
6	10101803	Aftercooler Core
—	1070517	Pneumatic Tool Oil - 32 oz.

PART NUMBERS AND SCHEMATICS

Figure 5: Transfer Hose Assembly



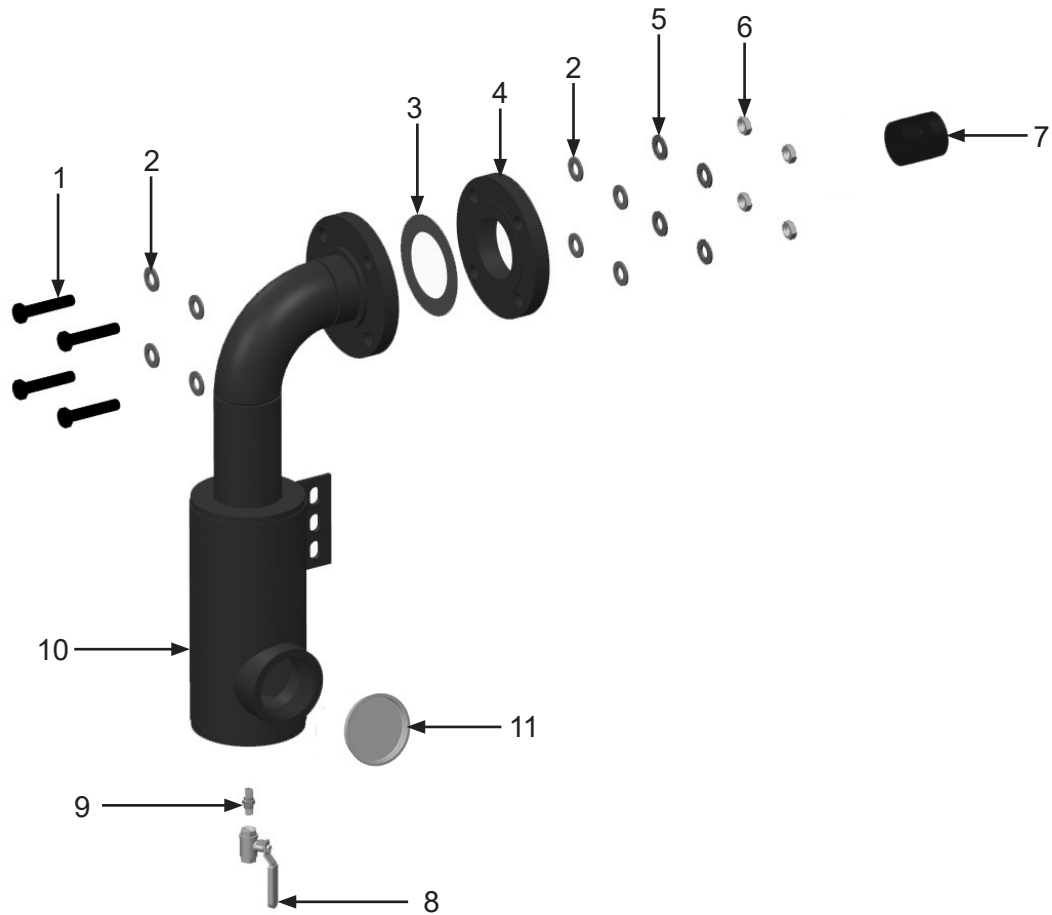
Item #	Part #	Description
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Fig. 5

1	10101058	5/8-11 x 3" Grade 8 Bolt (<i>Eight Required</i>)
2	10101060	5/8" Flat Washer (<i>16 Required</i>)
3	10101047	Flange Gasket (<i>Two Required</i>)
4	10103399	5/8" Grade 8 Split Lock Washer (<i>Eight Required</i>)
5	10103393	5/8-11 Grade 8 Hex Nut (<i>Eight Required</i>)
6	10101040	3" NPT Close Nipple
7	10101041	3" NPT Threaded Flange (<i>Three Required</i>)
8	10BU35	3" Boss Clamp (<i>Two Required</i>)
9	10101045	3" x 2-1/2' Steel Reinforced Air Hose (<i>Per Foot</i>)
10	10101148	3" NPT Street Elbow (<i>Two Required</i>)
11	10101754	3" NPT Hose Stem (<i>Two Required</i>)

PART NUMBERS AND SCHEMATICS

Figure 6: Inlet Filter Assembly



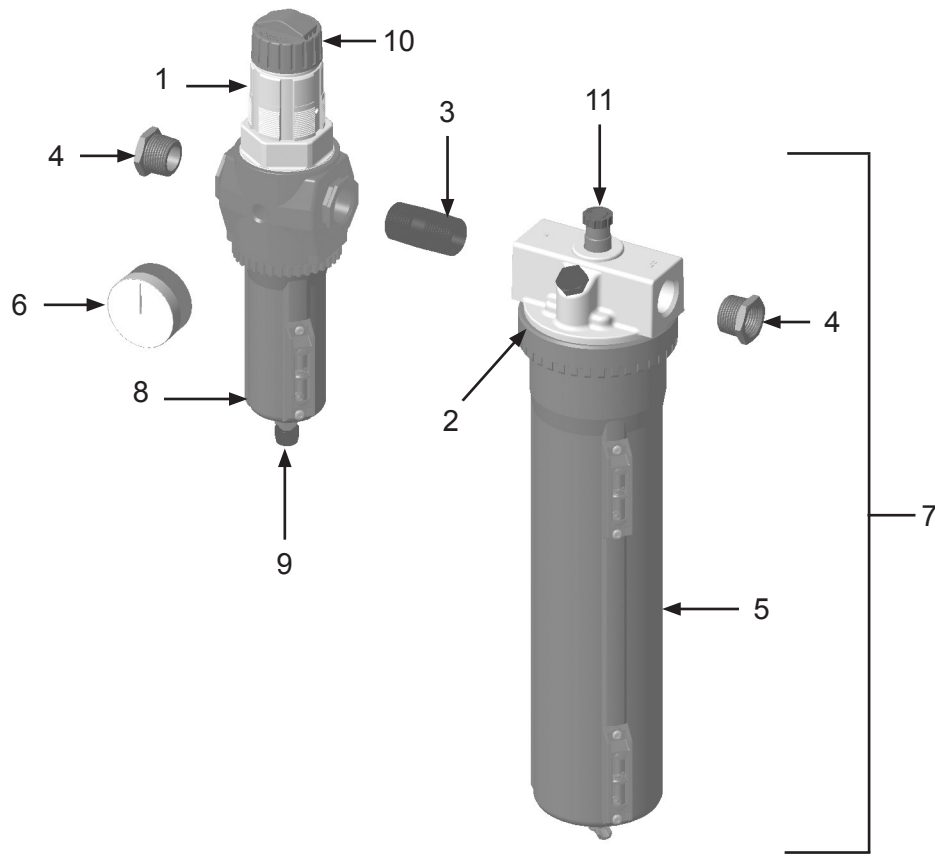
Item #	Part #	Description
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Fig. 6

1	10101058	5/8-11 x 3" Grade 8 Bolt <i>(Four Required)</i>
2	10101060	5/8" Flat Washer <i>(Eight Required)</i>
3	10101047	Flange Gasket
4	10101041	3" NPT Threaded Flange
5	10103399	5/8" Grade 8 Split Lock Washer <i>(Four Required)</i>
6	10103393	5/8-11 Grade 8 Hex Nut <i>(Four Required)</i>
7	10101040	3" NPT Close Nipple
8	1080050	1/4" NPT Full Port Ball Valve
9	1017019	1/4" NPT Hex Nipple
10	10101049	Inlet Moisture Separator
11	10101238	3" NPT Transport Plug

PART NUMBERS AND SCHEMATICS

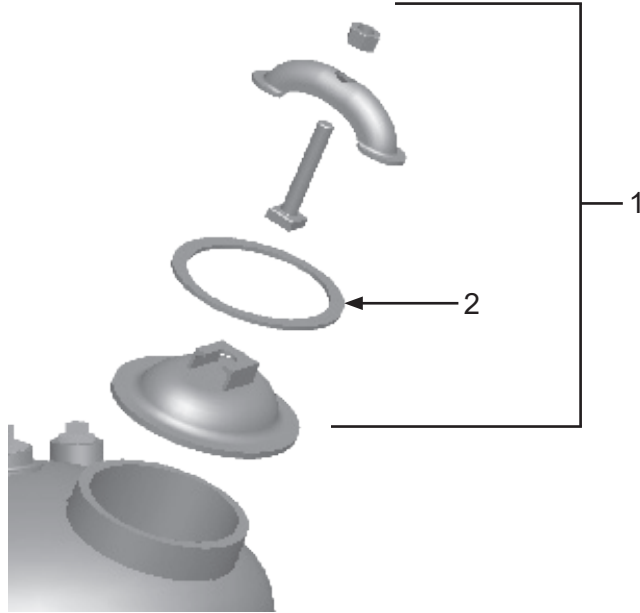
Figure 7: Air Filter/Regulator/Lubricator



Item #	Part #	Description
Fig. 7		
	10105890	Air Filter/Regulator/Lubricator with Pressure Gauge—Pneumatic—Complete
1	10SC10105891	Filter/Regulator - Complete
2	10106432	Large O-ring - Lubricator
3	10105894	3/4" x 2" Pipe Nipple
4	10105895	3/4" x 1/2" Reducing Bushing (<i>Two Required</i>)
5	10SC10106507	Extended Metal Bowl Kit for Lubricator (<i>Includes: 2 Sight Glasses and O-Ring</i>)
6	1028606	Pressure Gauge – 0-160 PSI 1/4" – Back Mount
7	10110133	Lubricator (<i>Includes #s: 2 and 5</i>)
8	10SWCABF115100	Metal Bowl Kit for Filter/Regulator (<i>Includes: Bowl, Sight Glass, Manual Drain, Nut, Knob, Clip, Retaining Ring and O-Rings</i>)
9	10SWCA80232	Manual Drain Kit for Filter/Regulator (<i>Includes: Drain, Nut, Knob, Clip and O-Ring</i>)
10	10SKA3762	Adjustment Knob for Filter/Regulator (<i>Includes: Adjusting Knob, Adjusting Key, Screw and Drive Nut</i>)
11	10106506	Cartridge Kit for Lubricator (<i>Includes: Adjusting Knob and Sight Dome</i>)
—	10106504	Diaphragm Kit for Filter/Regulator (<i>Includes: Diaphragm, Rest, Washer and O-Ring</i>)
—	1070517	Pneumatic Tool Oil - 32 oz.

PART NUMBERS AND SCHEMATICS

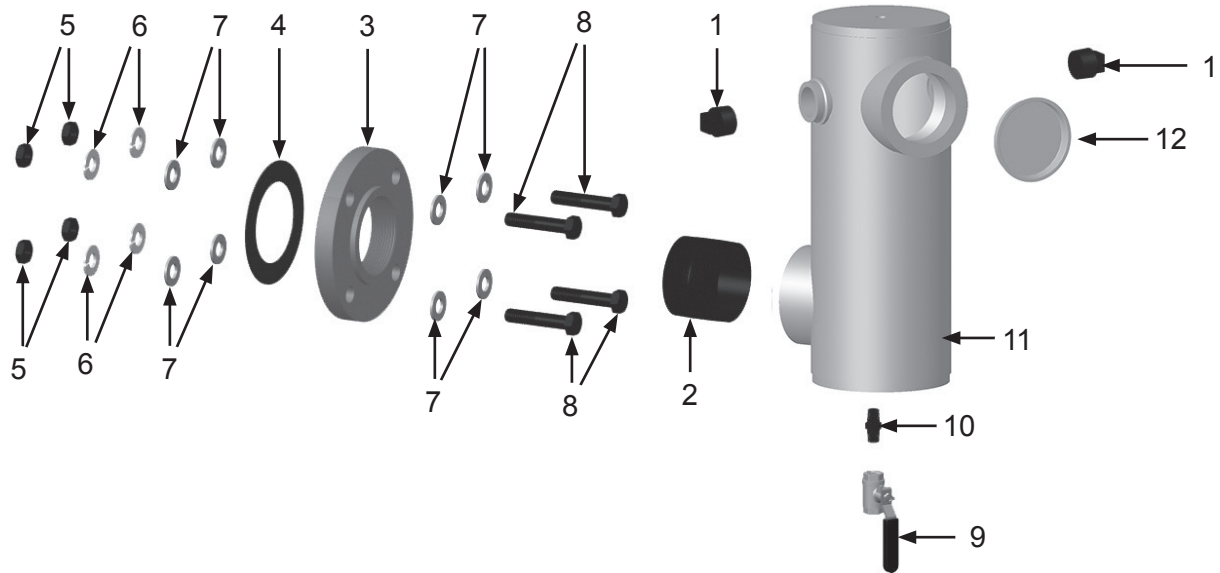
Figure 8: Inspection Door Assembly



Item #	Part #	Description
Fig. 8		
1	10106105	Air Dryer Inspection Door Assembly – Complete <i>Includes Item #2</i>
2	1006201	Inspection Door Gasket

PART NUMBERS AND SCHEMATICS

Figure 9: Outlet Filter



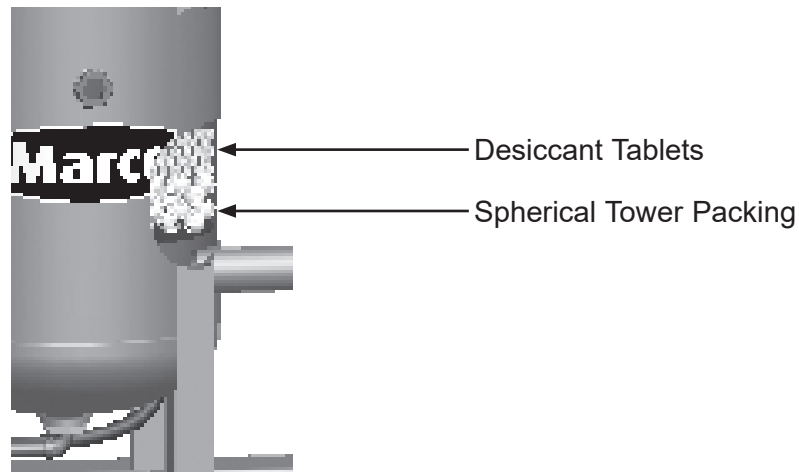
Item #	Part #	Description
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Fig. 9

1	1011901	1" NPT Galvanized Square Head Pipe Plug <i>(Two Required)</i>
2	10101040	3" NPT Galvanized Close Nipple
3	10101041	3" NPT Threaded Flange
4	10101047	Flange Gasket
5	10103393	5/8-11 Grade 8 Hex Nut <i>(Four Required)</i>
6	10103399	5/8" Lock Washer <i>(Four Required)</i>
7	10101060	5/8" Flat Washer <i>(Eight Required)</i>
8	10101058	5/8-11 x 3" Grade 8 Hex Bolt <i>(Four Required)</i>
9	1080050	1/4" Ball Valve
10	1017019	1/4" Hex Nipple
11	10101686	Outlet Filter Body
12	10101238	3" NPT Transport Plug

OPTIONAL ACCESSORIES

Figure 10: Desiccant Tablets and Spherical Tower Packing












Part Numbers	DESICCANT TABLETS	
	Package Weight	Packaging
10V330311	50 pounds	Bag
15V330313	50 pounds	Pail
15V330203	506 pounds	Steel Drum
15V330284	2000 pounds	Bulk Bag

Van Air Systems Dry-O-Lite® – SDS – 108V116

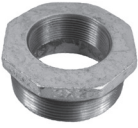
Part Numbers	SPHERICAL TOWER PACKING
	Unit of Measure
10103922	1 Cubic Foot




OPTIONAL ACCESSORIES






		AIRFLOW SHUTOFF KITS – LUG FITTINGS			
		Pipe String I.D.	Close Nipple	Full Port Ball Valve	Coupling
	10103731	1"	1012151	1011601	10ME2
	10103732	1-1/4"	1011201 (Quantity of Two)	1011602	10ME3
	10103733	1-1/2"	1014015 (Quantity of Two)	1011603	10ME4
	10103734	2"	1001806 (Quantity of Two)	1011604	10ME5

		AIRFLOW SHUTOFF KITS – HAMMERLOCK FITTINGS			
		Pipe String I.D.	Close Nipple	Full Port Ball Valve	Coupling Spud
	10103830	1"	10102151 (Quantity of Two)	1011601	10DXGB13
	10103831	1-1/4"	1011201 (Quantity of Two)	1011602	10DXGB18
	10103832	1-1/2"	1014015 (Quantity of Two)	1011603	10DXGB23
	10103833	2"	1001806 (Quantity of Two)	1011604	10DXGB28
	10103934	3"	10101040 (Quantity of Two)	1011608	10GB38

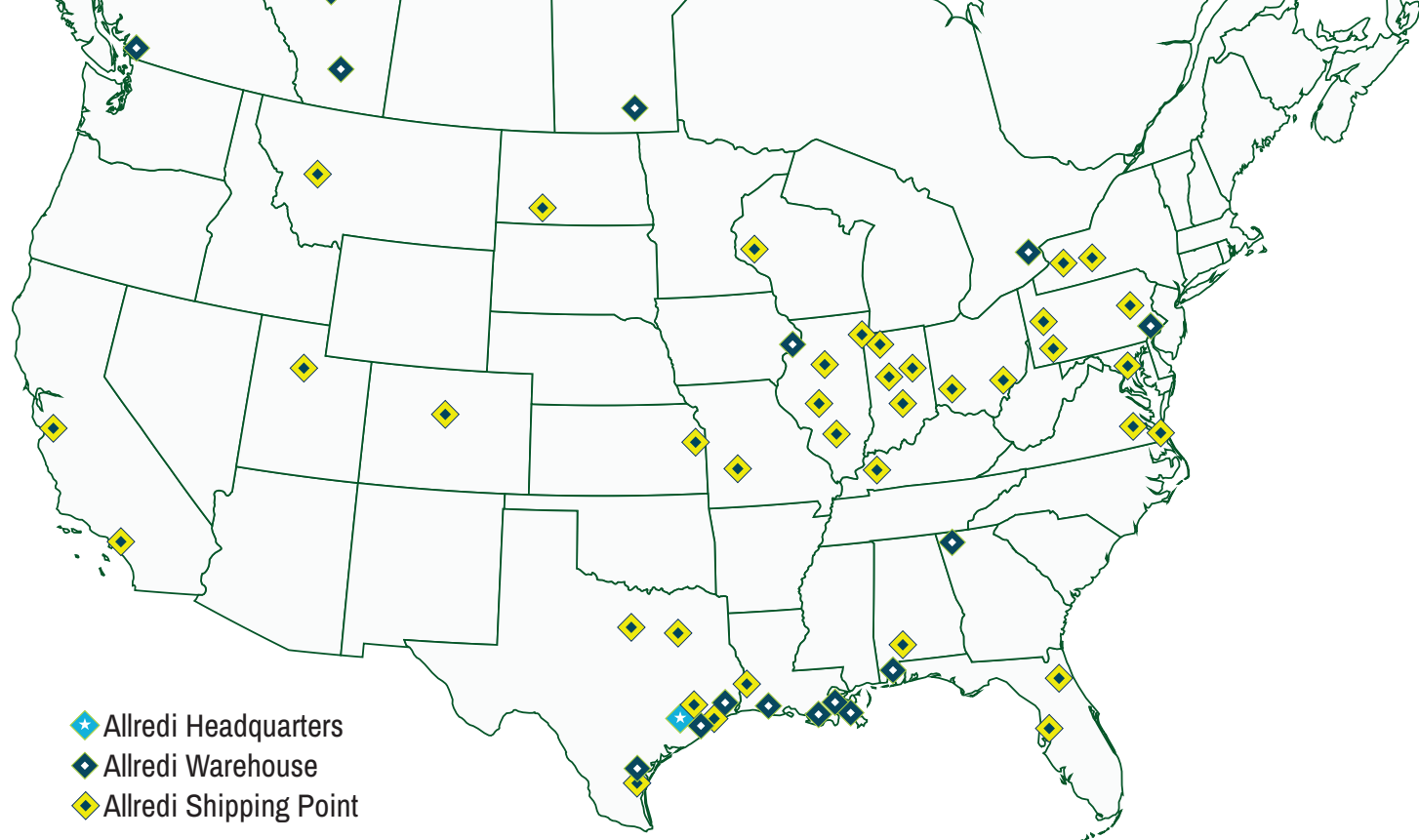
OPTIONAL ACCESSORIES

	Part Numbers	INLET/OUTLET BUSHING
		Size
	10101183	Galvanized 3" MNPT x 2" FNPT Bushing

	Part Numbers	PRESSURE RELIEF VALVES	
		PSI	Inlet Size
	10E1POPOFF150	150	1"
	10EPOPOFF125	125	1-1/4"
	10EPOPOFF150	150	1-1/4"

	Part Numbers	GALVANIZED SQUARE HEAD PIPE PLUGS
		Size
	1011901	1"
	1011902	1-1/4"
	1011101	1-1/2"
	1011823	2"
	10101034	3"

Part Numbers	LUBRICATION
1070517	Pneumatic Air Tool Oil - 32 oz. bottle



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