

# MARCO® 950 CFM AIR DRYER





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® 950 CFM AIR DRYER							
	Inlet		Outlet						
Part Numbers	Inlet Quantity	Inlet Size	Fittings	Outlet Quantity	Outlet Size	Fittings	Power Source	Filter, Regulator, and Lubricator	Electric Starter Box
10101672	1	3"	Not Included	5	(2) 3", (1) 1-1/4", (2) 1"	Not Included	Pneumatic	Included	Not Included
10108808	1	3"	Not Included	5	(2) 3", (1) 1-1/4", (2) 1"	Not Included	115-Volt AC	Not Included	Included
10101673	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® 950 CFM Air Dryers

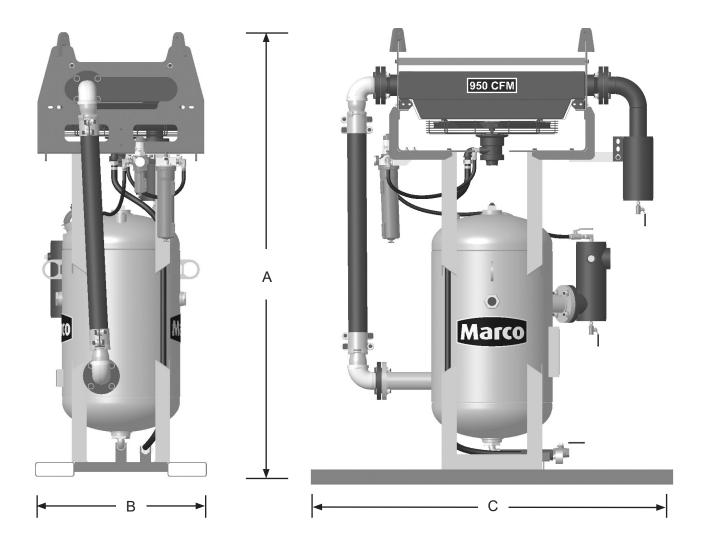
#### **SPECIFICATIONS**

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

Empty Weight: 1200 Pounds

Overall Dimensions: A: 91"

B: 35" C: 72"

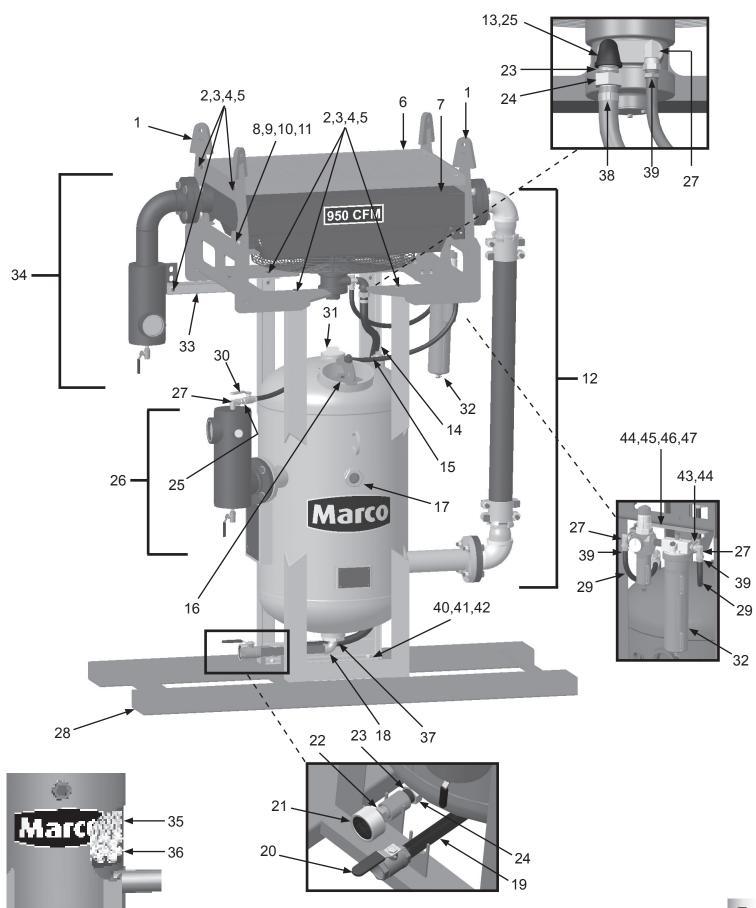


Pneumatic model shown. Electric model has same dimensions.

# Marco® 950 CFM Air Dryer—Pneumatic

Item #	Part #	Description	Item #	Part #	Description
Fig. 1			25	20100677	1/2" Hex Nipple
_	10101672	Marco <sup>®</sup> 950 CFM Air Dryer  – Pneumatic	26	_	Outlet Filter Assembly (See Fig. 10)
1	10101033	950-1600 CFM Heat	27	10SAP1290	1/2" 90° Swivel (Four Required)
		Exchanger Mounting Bracket	28	10101024	Skid Weldment
0	10101010	(Two Required)	29	10AH012	1/2" I.D. Air Hose (Per Foot)
2	10101943	1/2-13 x 1-1/2" Bolt	30	10L363	1/2" NPT Full Port Ball Valve
3	10100674	Galvanized <i>(10 Required)</i> 1/2" Flat Washer Galvanized	31	10101034	3" NPT Galvanized Pipe Plug
4	10100674	(20 Required)  1/2" Split Lock Washer	32	10105890	Filter/Regulator/Lubricator with Pressure Gauge (See
7	10100070	Galvanized (10 Required)	0.0	40404470	Fig. 8)
5	10101941	1/2-13 Hex Nut Galvanized	33	10101170	Moisture Separator Brace
6	10101036	(10 Required) Heat Exchanger Protective Grate	34	_	Inlet Filter Assembly <i>(See Fig. 7)</i>
7	10TTAHP9505	Aftercooler Assembly -	35	_	Desiccant Tablets - Not Included (See Fig. 11)
		Pneumatic - Complete (See Fig. 4)	36	10103922	Spherical Tower Packing (See Fig. 11)
8	10101059	3/8-16 x 1-1/4" Bolt Galvanized	37	10101844	3" NPTM x 1" NPTF Bushing
		(Four Required)	38	10ACHL1	Band Clamp (Two Required)
9	10101942	3/8" I.D. x 3/4 O.D. Flat Washer Galvanized	39	10PAF050	1/2" Push-on Hose Fitting (Four Required)
10	10L805015	(Eight Required) 3/8" Lock Washer Galvanized	40	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc (Four Required)
		(Four Required)	41	10107496	1/2-13 Grade 8 Lock Nut Zinc
11	10101938	3/8-16 Hex Nut Galvanized			(Four Required)
12		(Four Required) Transfer Hose Assembly	42	10104711	1/2" Grade 8 Flat Washer Zinc (Eight Required)
12	_	(See Fig. 6)	43	10109052	U-Bolt (Two Required)
13	10101002	1/2" x 1" NPT Reducing Elbow	44	10101940	1/4" Flat Washer (12 Required)
14	10AH100	1" I.D. Air Hose ( <i>Per Foot</i> )	45	10108281	Mounting Bracket
15	1011902	1-1/4" NPT Plug	46	10105903	1/4-20 x 1-1/4" Hex Bolt
16	—	Inspection Door Assembly			(Four Required)
10		(See Fig. 9)	47	10101939	1/4-20 Stainless Steel Lock
17	10101688	2" NPT Sight Glass			Nut with Nylon Insert (Four
18	1011801	1" NPT Street Elbow			Required)
19	10101064	1" x 12" NPT Pipe Nipple	_	106M115	Part Numbers and Schematics
20	1011601	1" NPT Full Port Ball Valve			Guide – Marco <sup>®</sup> 950 CFM Air Dryer
21	10101800	Aftercooler Exhaust Muffler	_	1090115	Operator's Manual – Marco®
		950 CFM-1600 CFM			950 CFM Air Dryer
22	1011812	1" Male x 1/2" Female Bushing	—	1091045	Hazard Identification Tag
23	1012151	1" Galvanized Close Nipple	_	1070517	Pneumatic Tool Oil — 32 oz.
24	10SFE2	1" Female Swivel (Two Required)			

Figure 1: Marco® 950 CFM Air Dryer—Pneumatic

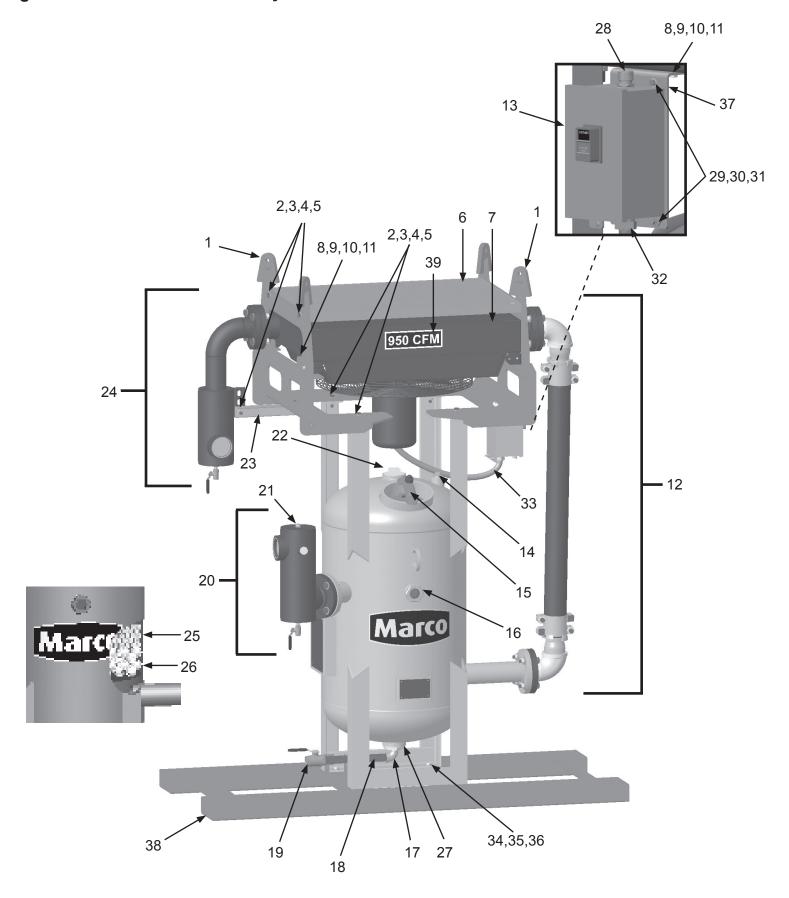


# Marco® 950 CFM Air Dryer—115 Volt Electric

Item #	Part #	Description
Fig. 2		
_	10108808	Marco <sup>®</sup> 950 CFM Air Dryer – 115 Volt Electric
1	10101033	950-1600 CFM Heat Exchanger Mounting Bracket (Two Required)
2	10101943	1/2-13 x 1-1/2" Bolt Galvanized <i>(10 Required)</i>
3	10100674	1/2" Flat Washer Galvanized (20 Required)
4	10100675	1/2" Split Lock Washer Galvanized <i>(10 Required)</i>
5	10101941	1/2-13 Hex Nut Galvanized (10 Required)
6	10101036	Heat Exchanger Protective Grate
7	10TTAHP9502	Aftercooler Assembly - Electric - Complete (See Fig. 5)
8	10101059	3/8-16 x 1-1/4" Bolt
		Galvanized (Six Required)
9	10101942	3/8" I.D. x 3/4 O.D. Flat Washer Galvanized <i>(12</i>
		Required)
10	10L805015	3/8" Lock Washer Galvanized (Six Required)
11	10101938	3/8-16 Hex Nut Galvanized (Six Required)
12	-	Transfer Hose Assembly (See Fig. 6)
13	10108792	1 Phase Electric Motor Starter - 3 HP to 5 HP
14	1011902	1-1/4" NPT Plug
15	_	Inspection Door Assembly (See Fig. 9)
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. 10)
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. 7)
25	_	Desiccant Tablets - Not Included (See Fig. 11)
26	10103922	Spherical Tower Packing (See Fig. 11)
27	10101844	3" NPTM x 1" NPTF Bushing
28	20101197	3/4" NPT Cord Grip
29	1012154	1/4-20 x 1" Hex Bolt Zinc (Four Required)
30	1014017	1/4" Flat Washer Zinc (Eight Required)
31	1012323	1/4"-20 Lock Nut Zinc (Four Required)
32	10103303	3/4" Conduit Hub (Two Required)
33	10103304	3/4" Flexible Conduit
34	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc (Four Required)
35	10107496	1/2-13 Grade 8 Lock Nut Zinc (Four Required)
36	10104711	1/2" Grade 8 Flat Washer
		Zinc (Eight Required)
37	10108830	Motor Starter Bracket
38	10101024	Skid Weldment
39	1094537	950 CFM Product Sticker
_	10108798	Thermal Unit - Full Load Current 16.2 - 17.6 Amps
_	106M115	Part Numbers and Schematics Guide – Marco <sup>®</sup> 950 CFM Air Dryer
_	1090115	Operator's Manual – Marco® 950 CFM Air Dryer
	1091045	Hazard Identification Tag

Figure 2: Marco<sup>®</sup> 950 CFM Air Dryer—115 Volt Electric



# Marco® 950 CFM Air Dryer—230 Volt Electric

Item #	Part #	Description
Fig. 3		
_	10101673	Marco <sup>®</sup> 950 CFM Air Dryer – 230 Volt Electric
1	10101033	950-1600 CFM Heat
		Exchanger Mounting Bracket (Two Required)
2	10101943	1/2-13 x 1-1/2" Bolt Galvanized <i>(10 Required)</i>
3	10100674	1/2" Flat Washer Galvanized (20 Required)
4	10100675	1/2" Split Lock Washer Galvanized <i>(10 Required)</i>
5	10101941	1/2-13 Hex Nut Galvanized (10 Required)
6	10101036	Heat Exchanger Protective Grate
7	10TTAHP9502	Aftercooler Assembly - Electric - Complete (See Fig. 5)
8	10101059	3/8-16 x 1-1/4" Bolt
		Galvanized (Six Required)
9	10101942	3/8" I.D. x 3/4 O.D. Flat
		Washer Galvanized (12
		Required)
10	10L805015	3/8" Lock Washer
44	40404000	Galvanized (Six Required)
11	10101938	3/8-16 Hex Nut Galvanized (Six Required)
12	_	Transfer Hose Assembly (See Fig. 6)
13	10101760	Motor Starter- Single Phase
14	1011902	1-1/4" NPT Plug
15	_	Inspection Door Assembly (See Fig. 9)
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. 10)
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. 7)
25	_	Desiccant Tablets Desiccant Tablets - Not Included (See Fig. 11)
26	10103922	Spherical Tower Packing (See Fig. 11)
27	10101844	3" NPTM x 1" NPTF Bushing
28	20101299	3/4" NPT Cord Grip
29	1012154	1/4-20 x 1" Hex Bolt Zinc (Four Required)
30	1014017	1/4" Flat Washer Zinc <i>(Eight Required)</i>
31	1012323	1/4"-20 Lock Nut Zinc (Four Required)
32	10103303	3/4" Conduit Hub (Two Required)
33	10103304	3/4" Flexible Conduit
34	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc (Four Required)
35	10107496	1/2-13 Grade 8 Lock Nut Zinc (Four Required)
36	10104711	1/2" Grade 8 Flat Washer
		Zinc (Eight Required)
37	10108830	Motor Starter Bracket
38	10101024	Skid Weldment
39	1094537	950 CFM Product Sticker
_	10108796	Thermal Unit - Full Load Current 8.48 - 9.83 Amps
_	106M115	Part Numbers and Schematics Guide – Marco <sup>®</sup> 950 CFM Air Dryer
_	1090115	Operator's Manual – Marco® 950 CFM Air Dryer
_	1091045	Hazard Identification Tag

Figure 3: Marco<sup>®</sup> 950 CFM Air Dryer—230 Volt Electric

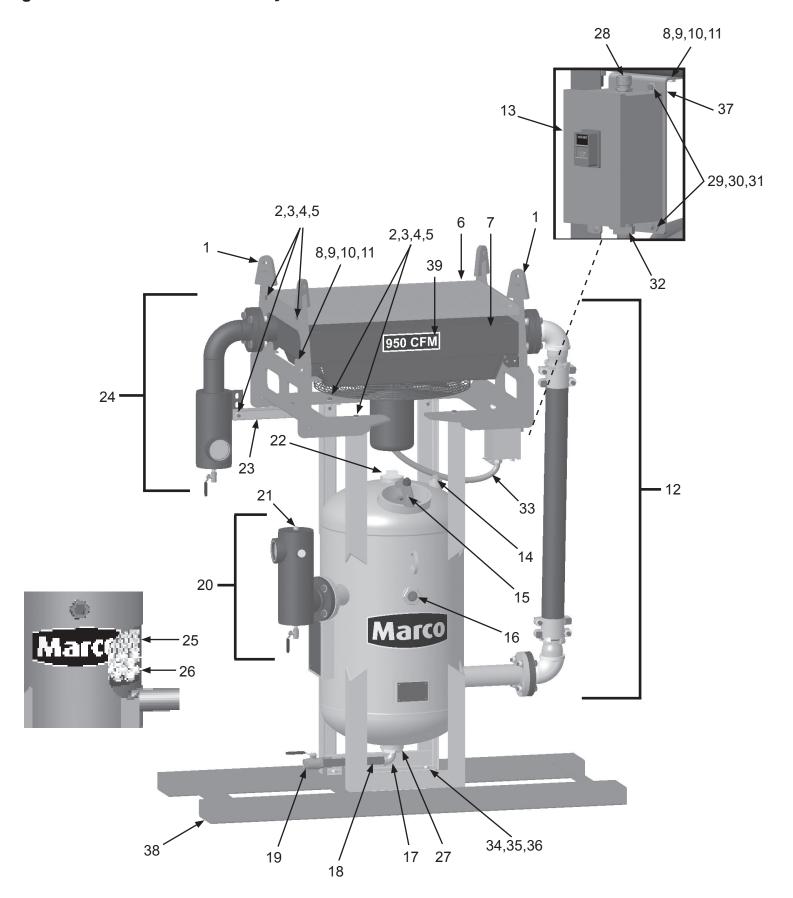
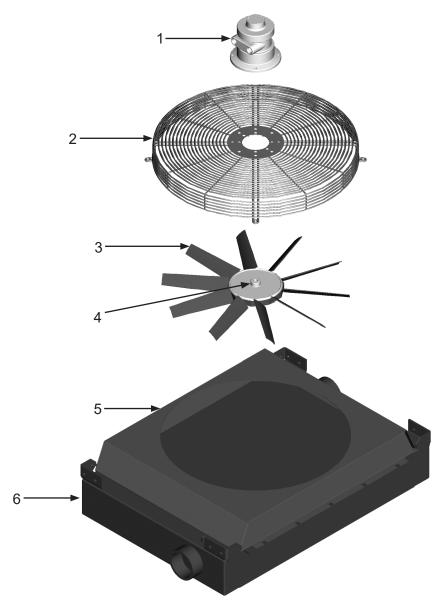
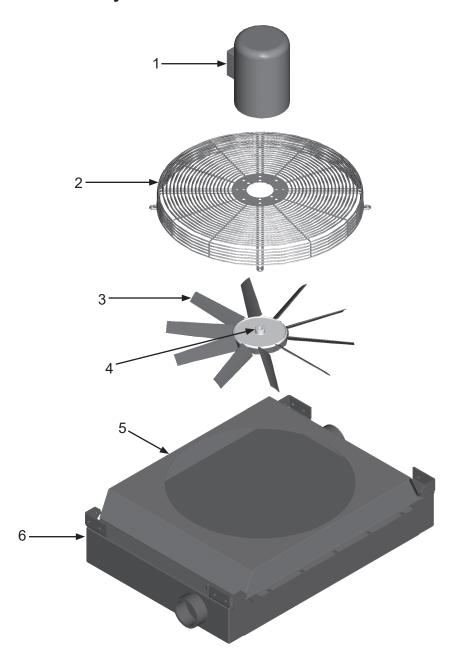


Figure 4: Aftercooler Assembly—Pneumatic



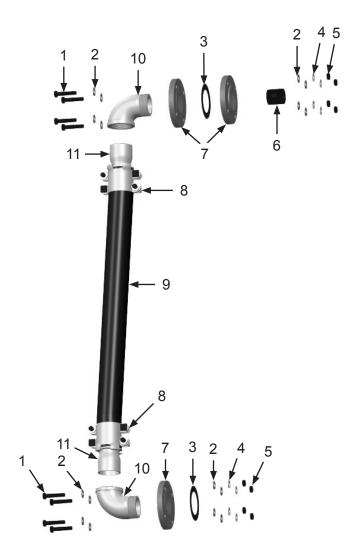
Item #	Part #	Description
Fig. 4		
_	10TTAHP9505	950 CFM Aftercooler—Pneumatic—Complete
1	10101795	Air Motor
2	10101799	Fan Guard
3	10101797	Fan Blades (Includes Blades and Hub)
4	10101798	Fan Bushing
5	10102957	Fan Shroud
6	10101794	Aftercooler Core
_	1070517	Pneumatic Tool Oil - 32 oz.
_	10101796	Air 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)

Figure 5: Aftercooler Assembly—Electric



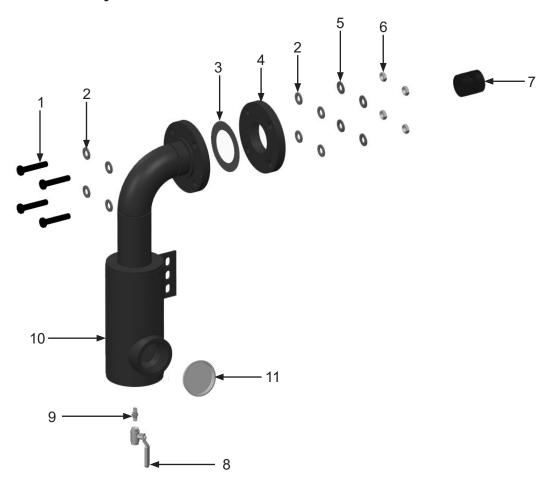
Item #	Part #	Description
Fig. 5		
_	10TTAHP9502	950 CFM Aftercooler—Electric—Complete
1	10101760	Electric Motor - (115V/208-230V) - Single Phase
2	10101799	Fan Guard
3	10101797	Fan Blades (Includes Blades and Hub)
4	10101802	Fan Bushing
5	10102957	Fan Shroud
6	10101794	Aftercooler Core

Figure 6: Transfer Hose Assembly



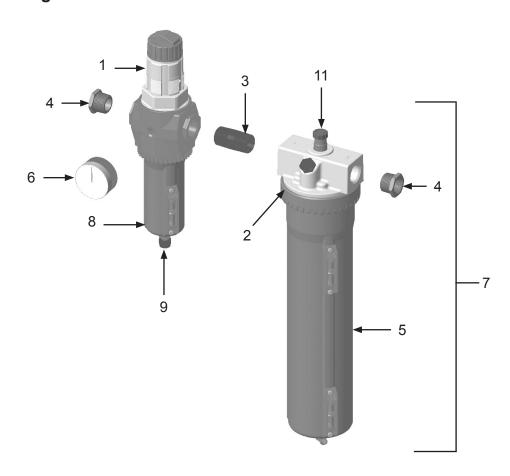
0101058	
0101058	
	5/8-11 x 3" Grade 8 Bolt (Eight Required)
0101060	5/8" Flat Washer (16 Required)
0101047	Flange Gasket (Two Required)
0103399	5/8" Grade 8 Split Lock Washer (Eight Required)
0103393	5/8-11 Grade 8 Hex Nut (Eight Required)
0101040	3" NPT Close Nipple
0101041	3" NPT Threaded Flange (Three Required)
0BU35	3" Boss Clamp (Two Required)
0101045	3" x 2-1/2' Steel Reinforced Air Hose (Per Foot)
0101148	3" NPT Street Elbow (Two Required)
0101754	3" NPT Hose Stem (Two Required)
	0101060 0101047 0103399 0103393 0101040 0101041 0BU35 0101045

Figure 7: Inlet Filter Assembly



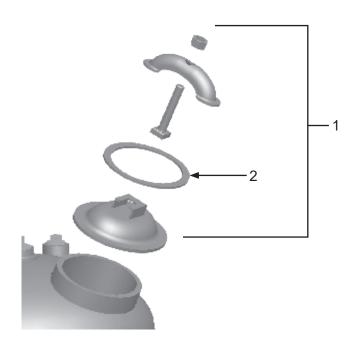
Item #	Part #	Description
Fig. 7		
1	10101058	5/8-11 x 3" Grade 8 Bolt (Four Required)
2	10101060	5/8" Flat Washer <i>(Eight Required)</i>
3	10101047	Flange Gasket
4	10101041	3" NPT Threaded Flange
5	10103399	5/8" Grade 8 Split Lock Washer <i>(Four Required)</i>
6	10103393	5/8-11 Grade 8 Hex Nut (Four Required)
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

Figure 8: Air Filter/Regulator/Lubricator



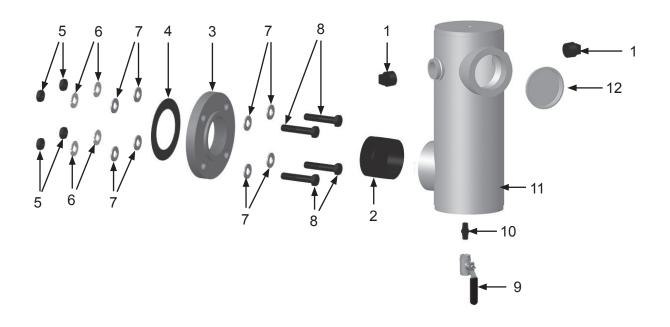
Item #	Part #	Description
Fig. 8		
	10105890	Air Filter/Regulator/Lubricator with Pressure Gauge—Pneumatic—Complete
1	10SC10105891	Filter/Regulator - Complete
2	10106432	Large O-ring - Lubricator
3	10105894	3/4" x 2" Pipe Nipple
4	10105895	3/4" x 1/2" Reducing Bushing (Two Required)
5	10SC10106507	Extended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

Figure 9: Inspection Door Assembly



Item #	Part #	Description
Fig. 9		
1	10106105	Air Dryer Inspection Door Assembly – Complete Includes Item #2
2	1006201	Inspection Door Gasket

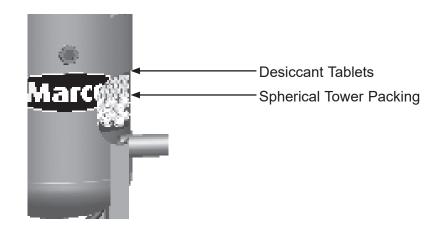
Figure 10: Outlet Filter



Item #	Part #	Description
Fig. 9		
1	1011901	1" NPT Galvanized Square Head Pipe Plug (Two Required)
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 (Four Required)
6	10103399	5/8" Lock Washer (Four Required)
7	10101060	5/8" Flat Washer <i>(Eight Required)</i>
8	10101058	5/8-11 x 3" Grade 8 Hex Bolt (Four Required)
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 11: Desiccant Tablets and Spherical Tower Packing



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

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

## **OPTIONAL ACCESSORIES**

	AIRFLOW SHUTOFF KITS - LUG FITTINGS			
Part Numbers	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			CK FITTINGS
Part Numbers	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	INLET/OUTLET BUSHING
Numbers	Size
10101183	Galvanized 3" MNPT x 2" FNPT Bushing

Part		PRESSURE RELIEF VALVES		
	Numbers	PSI	Inlet Size	
250	10E1POPOFF150	150	1"	
	10EPOPOFF125	125	1-1/4"	
	10EPOPOFF150	150	1-1/4"	

Part	GALVANIZED SQUARE HEAD PIPE PLUGS
Numbers	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

## **MAINTENANCE NOTES**

DATE	TYPE OF SERVICE	PART NUMBER

## **MAINTENANCE NOTES**

DATE	TYPE OF SERVICE	PART NUMBER

#### **CONTACT CENTER**

 3425 East Locust Street Davenport, IA 52803

ph: 800.BLAST.IT (800.252.7848)

ph: 563.324.2519 fax: 563.324.6258

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