

# MARCO® 750 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.

## **TABLE OF CONTENTS**

Company Profile	. 4
Table of Contents	. 3
Part Numbers	. 4
Specifications	. 5
Part Numbers & Schematics 6	-19
Marco® 750 CFM Air Dryer	6-7
Marco® 750 CFM Air Dryer	8-9
Marco® 750 CFM Air Dryer	)-1
Aftercooler Assembly—Pneumatic	12
Aftercooler Assembly—Electric	13
Transfer Hose Assembly	14
Inlet Filter Assembly	1
Air Regulator/Lubricator	16
Inspection Door Assembly	17
Outlet Filter	18
Desiccant Tablets and Spherical Tower Packing	19
Optional Accessories	-21
Desiccant Tablets	19
Spherical Tower Packing	19
Airflow Shutoff Kits – Lug Fittings	20
Airflow Shutoff Kits – Hammerlock Fittings	20
Inlet/Outlet Bushing	2
Pressure Relief Valves	2
Pipe Plugs	2
Lubrication	2
Maintenance Notes	-23

## **PART NUMBERS**

		MARCO® 750 CFM AIR DRYER							
	Inlet		Inlet Outlet						
Part Numbers	Inlet Quantity	Inlet Size	Fittings	Outlet Quantity	Outlet Size	Fittings	Power Source	Filter, Regulator, and Lubricator	Electric Starter Box
10101675	1	3"	Not Included	5	(2) 3", (1) 1-1/4", (2) 1"	Not Included	Pneumatic	Included	Not Included
10108809	1	3"	Not Included	5	(2) 3", (1) 1-1/4", (2) 1"	Not Included	115-Volt AC	Not Included	Included
10101676	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® 750 CFM Air Dryers

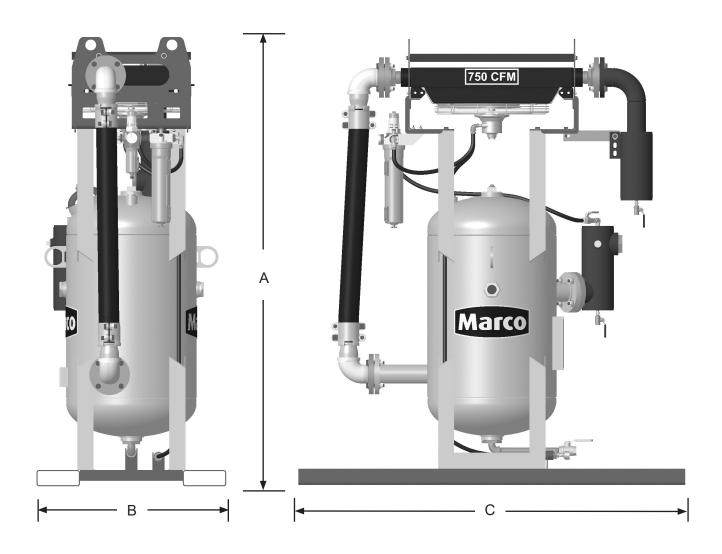
#### **SPECIFICATIONS**

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

Empty Weight: 900 Pounds

Overall Dimensions: A: 83"

B: 35" C: 72"

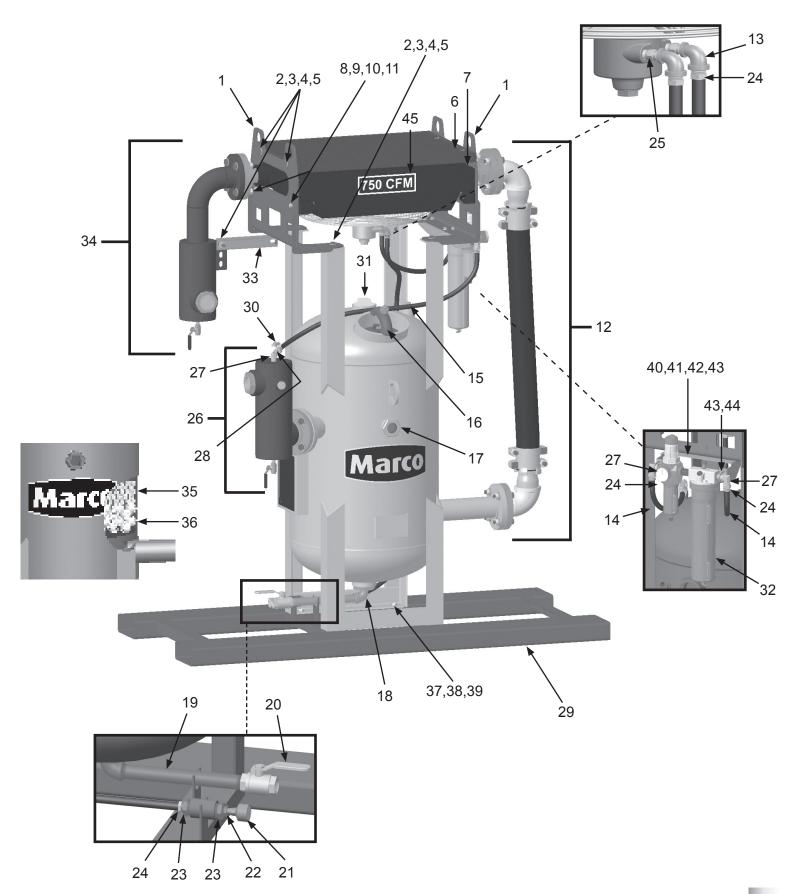


Pneumatic model shown. Electric model has same dimensions.

## Marco® 750 CFM Air Dryer—Pneumatic

Item #	Part #	Description	Item #	Part #	Description
Fig. 1			23	1011812	1" Male x 1/2" Female
_	10101675	Marco <sup>®</sup> 750 CFM Air Dryer –	0.4	40045050	Bushing
1	10101176	Pneumatic 400-1600 CFM Heat	24	10PAF050	1/2" Push on Air Hose Fitting
1	10101176	Exchanger Mounting Bracket	25	1017019	(Six Required) 1/4" x 1/4" Hex Nipple (Two
		(Two Required)	20	1017019	Required)
2	10101943	1/2-13 x 1-3/4" Hex Bolt	26	_	Outlet Filter Assembly (See
		Galvanized (10 Required)			Fig. 10)
3	10100674	1/2" Flat Washer Galvanized (20 Required)	27	10SAP1290	1/2" 90° Swivel (Three Required)
4	10100675	1/2" Split Lock Washer	28	20100677	1/2" NPT Hex Nipple
		Galvanized (10 Required)	29	10101024	Skid Weldment
5	10101941	1/2-13 Hex Nut Galvanized	30	10L363	1/2" NPT Full Port Ball Valve
		(10 Required)	31	10101034	3" NPT Galvanized Pipe Plug
6	10101179 10TTAHP7255	Heat Exchanger Protective Grate 750 CFM Aftercooler -	32	10105890	Filter/Regulator/Lubricator with Pressure Gauge (See Fig. 8)
,	1011AIII 7255	Pneumatic - Complete (See	33	10101170	Moisture Separator Brace
		Fig. 4)	34	_	Inlet Filter Assembly (See Fig.
8	10101059	3/8-16 x 1-1/4" Bolt Galvanized	0.		7)
		(Four Required)	35	_	Desiccant Tablets - Not
9	10101942	3/8" Flat Washer Galvanized			Included (See Fig. 11)
		(Eight Required)	36	10103922	Spherical Tower Packing (See
10	10L805015	3/8" Lock Washer Galvanized	0.7	10107105	Fig. 11)
		(Four Required)	37	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc <i>(Four Required)</i>
11	10101938	3/8 -16 Hex Nut Galvanized	38	10107496	1/2-13 Grade 8 Lock Nut Zinc
		(Four Required)	00	10101-100	(Four Required)
12	_	Transfer Hose Assembly (See	39	10104711	1/2" Grade 8 Flat Washer Zinc
40	10101105	Fig. 6)	00	10104711	(Eight Required)
13	10101185	1/2" x 1/4" 90° Reducing Elbow (Two Required)	40	10108281	Mounting Bracket
14	10AH012	1/2" I.D. Air Hose ( <i>Per Foot</i> )	41	10105903	1/4-20 x 1-1/4" Hex Bolt (Four
15	1011902	1-1/4" NPT Plug			Required)
16		Inspection Door Assembly	42	10101939	1/4-20 Stainless Steel Lock
. 0		(See Fig. 9)			Nut with Nylon Insert (Four
17	10101688	2" NPT Sight Glass	43	10101940	Required) 1/4" Flat Washer (12
18	1011801	1" NPT Street Elbow	43	10101940	Required)
19	10101064	1" X 12" NPT Pipe Nipple	44	10109052	U-Bolt (Two Required)
20	1011601	1" NPT Full Port Ball Valve	45	1094536	750 CFM Product Sticker
21	10101784	Aftercooler Exhaust Muffler –	_	1070517	Pneumatic Tool Oil — 32 oz.
		250 CFM-750 CFM			- :
22	1011818	1/2" x 1/4" Galvanized Bushing			

Figure 1: Marco® 750 CFM Air Dryer—Pneumatic

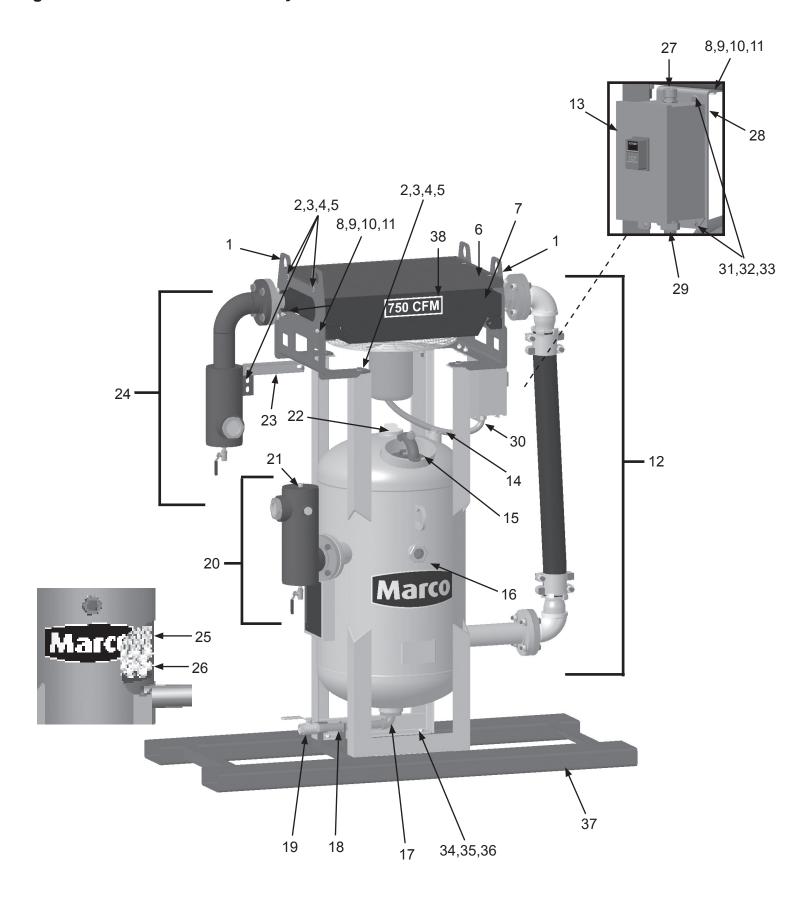


## Marco® 750 CFM Air Dryer—115 Volt Electric

Item #	Part #	Description
Fig. 2		
_	10108809	Marco <sup>®</sup> 750 CFM Air Dryer – 115 Volt Electric
1	10101176	400-1600 CFM Heat Exchanger Mounting Bracket (Two Required)
2	10101943	1/2-13 x 1-3/4" Hex 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	10101179	Heat Exchanger Protective Grate
7	10TTAHP7252	750 CFM Aftercooler Assembly - Electric - Complete (See Fig. 5)
8	10101059	3/8-16 x 1-1/4" Bolt Galvanized (Six Required)
9	10101942	3/8" Flat Washer Galvanized (Twelve 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 (See Fig. 10)
21	20G100737	1/2" NPT Pipe Plug
22	10101034	3" NPT Galvanized Pipe Plug
23	10101170	Moisture Separator Brace
24	_	Inlet Filter (See Fig. 7)

Item #	Part #	Description
25	_	Desiccant Tablets - Not Included (See Fig. 11)
26	10103922	Spherical Tower Packing (See Fig. 11)
27	20101197	3/4" NPT Cord Grip
28	10108830	Motor Starter Bracket
29	10103303	3/4" Conduit Hub (Two Required)
30	10103304	3/4" Flexible Conduit
31	1012154	1/4-20 x 1" Hex Bolt Zinc (Four Required)
32	1014017	1/4" Flat Washer Zinc (Eight Required)
33	1012323	1/4"-20 Lock Nut Zinc (Four
		Required)
34	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc <i>(Four Required)</i>
35	10107496	1/2-13 Grade 8 Lock Nut Zinc
		(Four Required)
36	10104711	1/2" Grade 8 Flat Washer Zinc
		(Eight Required)
37	10101024	Skid Weldment
38	1094536	750 CFM Product Sticker
_	10108798	Thermal Unit - Full Load Current 16.2 - 17.6 Amps
_	106M116	Part Numbers and Schematics Guide – Marco® 750 CFM Air Dryer
_	1090116	Operator's Manual – Marco <sup>®</sup> 750 CFM Air Dryer
_	1091017	Hazard Identification Tag

Figure 2: Marco® 750 CFM Air Dryer—115 Volt Electric



## Marco® 750 CFM Air Dryer—230 Volt Electric

Item #	Part #	Description
Fig. 3		
_	10101676	Marco <sup>®</sup> 750 CFM Air Dryer – 230 Volt Electric
1	10101176	400-1600 CFM Heat Exchanger Mounting Bracket (Two Required)
2	10101943	1/2-13 x 1-3/4" Hex 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	10101179	Heat Exchanger Protective Grate
7	10TTAHP7252	750 CFM Aftercooler Assembly - Electric - Complete (See Fig. 5)
8	10101059	3/8-16 x 1-1/4" Bolt Galvanized (Six Required)
9	10101942	3/8" Flat Washer Galvanized (Twelve 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	10101760	Electric Motor Starter Box – 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 (See Fig. 10)
21	20G100737	1/2" NPT Pipe Plug
22	10101034	3" NPT Galvanized Pipe Plug
23	10101170	Moisture Separator Brace
24		Inlet Filter (See Fig. 7)

Item #	Part #	Description
25	_	Desiccant Tablets - Not Included (See Fig. 11)
26	10103922	Spherical Tower Packing (See Fig. 11)
27	20101299	3/4" NPT Cord Grip
28	10108830	Motor Starter Bracket
29	10103303	3/4" Conduit Hub (Two Required)
30	10103304	3/4" Flexible Conduit
31	1012154	1/4-20 x 1" Hex Bolt Zinc (Four Required)
32	1014017	1/4" Flat Washer Zinc (Eight Required)
33	1012323	1/4"-20 Lock Nut Zinc (Four
		Required)
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	10101024	Skid Weldment
38	1094536	750 CFM Product Sticker
_	10108796	Thermal Unit - Full Load Current 8.48 - 9.83 Amps
_	106M116	Part Numbers and Schematics Guide – Marco <sup>®</sup> 750 CFM Air Dryer
_	1090116	Operator's Manual – Marco® 750 CFM Air Dryer
_	1091017	Hazard Identification Tag

Figure 3: Marco<sup>®</sup> 750 CFM Air Dryer—230 Volt Electric

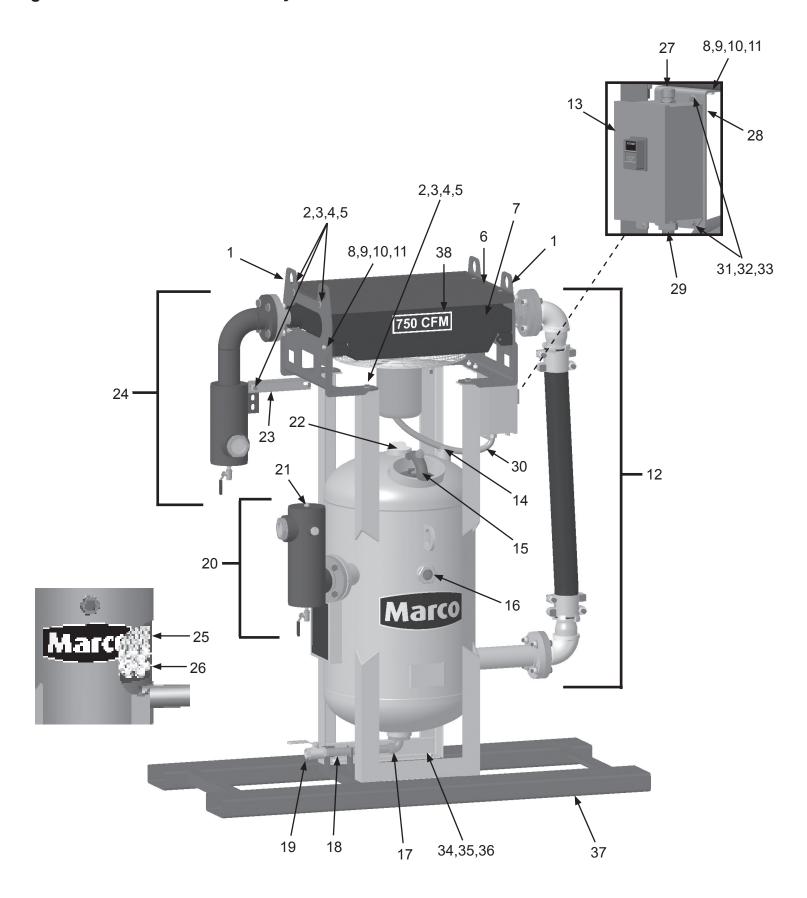
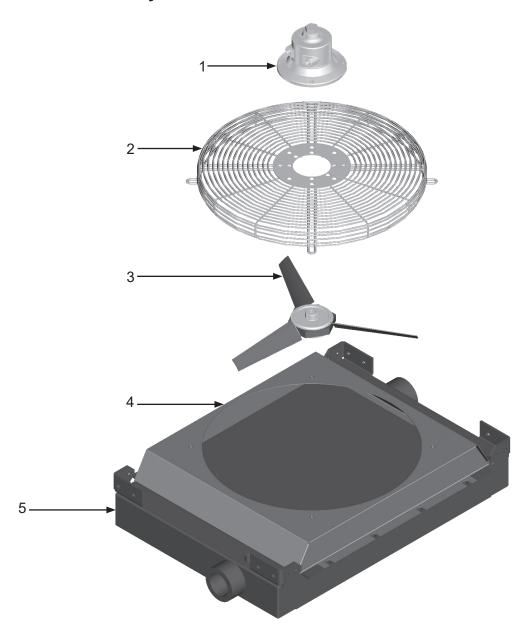
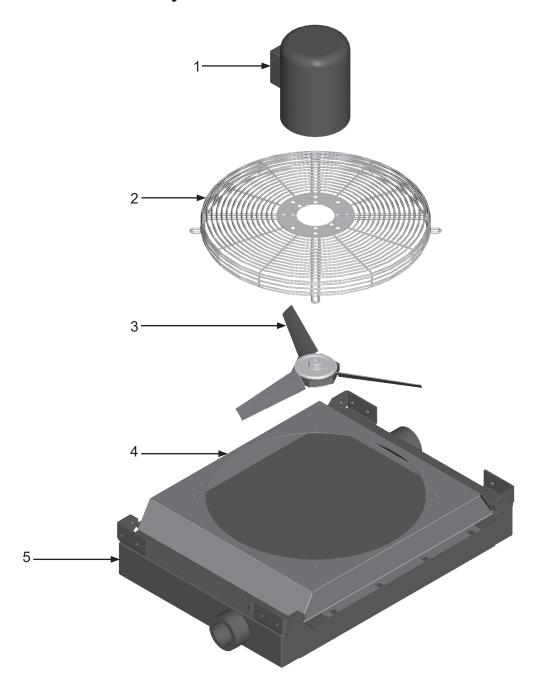


Figure 4: Aftercooler Assembly—Pneumatic



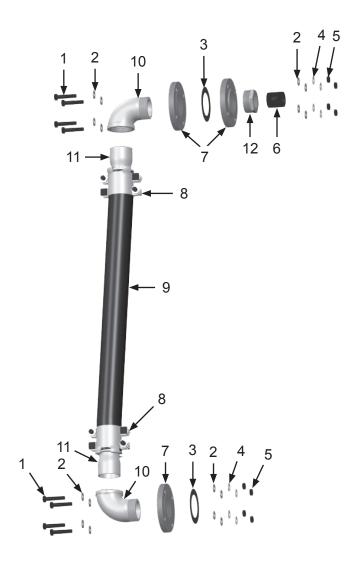
Item #	Part #	Description
Fig. 4		
_	10TTAHP7255	750 CFM Aftercooler—Pneumatic—Complete
1	10101780	Air Motor
2	10101792	Fan Guard
3	10101791	Fan Blade Assembly (Includes Blades and Hub)
4	10104171	Aftercooler Shroud
5	10101790	Aftercooler Core
_	10101781	Air Motor Service Kit (Includes: shaft seal, drive 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



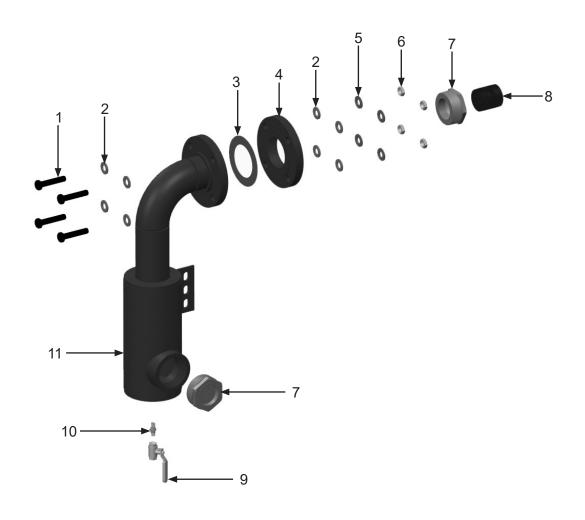
Item #	Part #	Description
Fig. 5		
_	10TTAHP7252	750 CFM Aftercooler—Electric—Complete
1	10101793	Electric Motor - (115 Volt to 208-230 Volt) - Single Phase
2	10101792	Fan Guard
3	10101791	Fan Blade Assembly (Includes Blades and Hub)
4	10104171	Aftercooler Shroud
5	10101790	Aftercooler Core

Figure 6: Transfer Hose Assembly



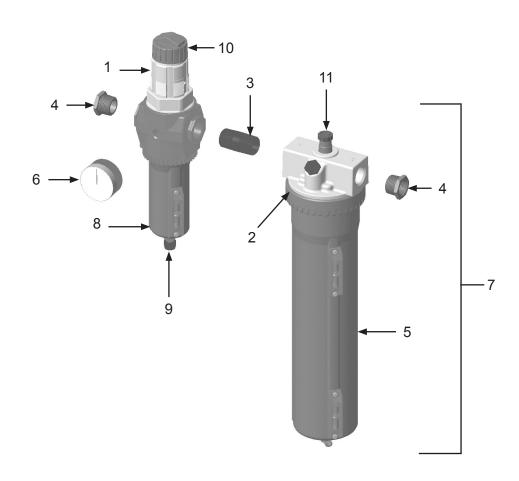
Item #	Part #	Description
Fig. 6		
1	10101058	5/8-11 x 3" Grade 8 Bolt (Eight Required)
2	10101060	5/8" Flat Washer <i>(16 Required)</i>
3	10101047	Flange Gasket (Two Required)
4	10103399	5/8" Grade 8 Split Lock Washer (Four Required)
5	10103393	5/8-11 Grade 8 Hex Nut (Four Required)
6	1001806	2" NPT Close Nipple
7	10101041	3" NPT Threaded Flange (Three Required)
8	10BU35	3" Boss Clamp (Two Required)
9	10101045	3" x 2-1/2' Steel Reinforced Air Hose (Per Foot)
10	10101148	3" NPT Street Elbow (Two Required)
11	10101754	3" NPT Hose Stem (Two Required)
12	10101183	3" (M) x 2" (F) Bushing

Figure 7: Inlet Filter Assembly



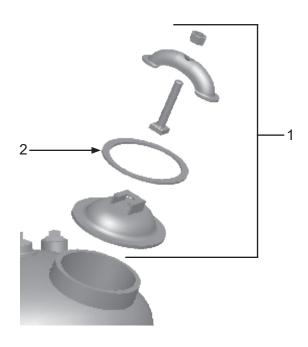
Item #	Part #	Description
Fig. 7		
1	10101058	5/8-11 X 3" Grade 8 Bolt (Four Required)
2	10101060	5/8" Flat Washer (Eight Required)
3	10101047	Flange Gasket
4	10101041	3" NPT Threaded Flange
5	10103399	5/8" Grade 8 Split Lock Washer (Four Required)
6	10103393	5/8-11 Grade 8 Hex Nut (Four Required)
7	10101183	3" to 2" Bushing (Two Required)
8	1001806	2" NPT Close Nipple
9	1080050	1/4" NPT Full Port Ball Valve
10	1017019	1/4" NPT Hex Nipple
11	10101049	Inlet Moisture Separator

Figure 8: Air Filter/Regulator/Lubricator



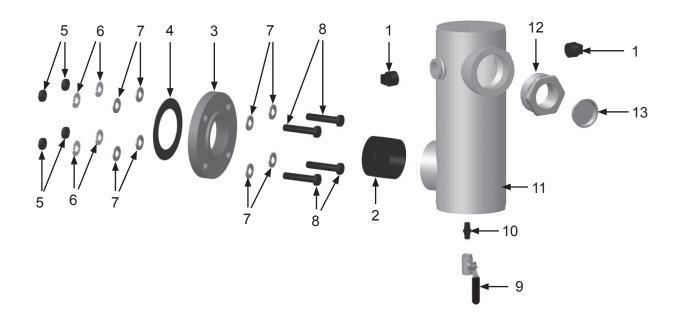
Item #	Part #	Description
Fig. 8		
	10105890	Air Filter/Regulator/Lubricator with Pressure Gauge—Pneumatic—Complete
1	10SC10105891	Filter/Regulator - Complete
2	10106432	Large O-ring - Lubricator
3	10105894	3/4" x 2" Pipe Nipple
4	10105895	3/4" x 1/2" Reducing Bushing (Two Required)
5	10SC10106507	Extended 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

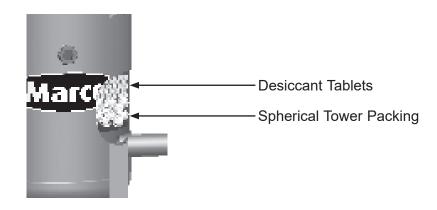
Figure 10: Outlet Filter



Item #	Part #	Description
Fig. 10		
1	1011901	1" Galvanized Square Head Pipe Plug (Two Required)
2	10101040	3" Galvanized Close Nipple
3	10101041	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" x 1-5/16" Stainless Steel Flat Washer (Eight Required)
8	10101058	5/8-11 x 3" Grade 8 Hex Bolt (Four Required)
9	1080050	1/4" Ball Valve
10	1017019	1/4" x 1/4" Hex Nipple
11	10101686	Outlet Filter Body
12	10101183	3" (M) x 2" (F) Bushing
13	10101237	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	
753	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"

<b>Part Numbers</b>	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



## **ALLREDI THERE**

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

#### **UNITED STATES**

Pasadena, TX (Headquarters) 844.361.7038

**Beaumont, TX** 409.722.1284

Bristol, PA 215.826.8080

Corpus Christi, TX 361.887.2038

**Davenport, IA** 563.324.2519

Deer Park, TX (Service & Rental Location) 281.930.0905 **Duluth, GA** 800.535.4564

**Gonzales, LA** 225.647.7575

Harvey, LA 504.367.8090

**Houma, LA** 985.580.4273

**Lafayette, LA** 337.267.1440

**Theodore, AL** 251.338.7525

#### **CANADA**

**Calgary, Alberta** 403,279,1924

**Coquitlam, BC** 604.464.6979

Edmonton, Alberta 780.468.2588 (Manus) 780.425.5510 (Mod-U-Blast)

Hamilton, Ontario 905.527.6000 / 888.794.5665

Mississauga, Ontario 905.890.5837

Winnipeg, Manitoba 204.256.3324

## WWW.ALLREDI-US.COM / 800.252.7848 WWW.ALLREDI-CA.COM / 800.661.3842

Allredi™ and Marco® are registered trademarks of Allredi, LLC.

Mod-U-Blast® is a registered trademark of Allredi Blast & Abrasives Canada, Inc.

All other brand names or marks are used for identification purposes and are trademarks of their respective owners.

