

BLASTMASTER® 950 CFM AIR DRYER





PART NUMBERS AND SCHEMATICS GUIDE

Company Profile

Since 1944, Marco has developed a strong tradition of providing innovative and reliable products and services to the surface preparation and protective coatings industries. We are the world's premier provider of Abrasives, Blasting, Coating, Dust Collectors, Engineered Systems, Rental, Safety, Service, Repair, & Modernization, and Vacuums.

Through innovative designs and a total commitment to quality, Marco manufactures products that increase production rates, create a safer workplace, and reduce maintenance costs. Marco's industry experience, manufacturing capabilities, legendary customer service, product availability, logistics services, and technology leadership is your assurance that we deliver high quality products and services, providing the best value to you, our customer.

The Marco Difference

- Industry Experience With Marco 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 a Marco customer, you have access to hundreds of years of cumulative experience related to your operations.
- Manufacturing Excellence Marco is a U.S. based, ISO 9001:2008 certified manufacturer of equipment for the Surface Preparation and Protective Coatings industries. Marco'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 Marco'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 more than 45 shipping locations to serve North American and International markets for all major brands of blasting and coating equipment. As the largest provider of surface preparation and protective coatings equipment in the world, our inventory levels and product availability are unmatched.
- Logistics Services Marco's in-house logistics team is dedicated to moving your shipment anywhere in the world. We move more than 14,000 truckloads every year, allowing you to save on freight costs by leveraging our buying power. Lower your process costs with a single invoice, which includes product and freight.
- Technology Leadership Our website provides: Operator's Manuals, Part Numbers and Schematics Guides, SDS information, and Features & Specifications Guides, providing access to information 24/7. Our Extranet application allows you to receive quotes and place orders online. Our Intranet maintains a complete record of your purchase history to assist with ongoing support of your existing equipment and future purchasing decisions.

Vision Statement

Marco is the world's premier provider of Abrasives, Blasting, Coating, Dust Collectors, Engineered Systems, Rental, Safety, Service, Repair, & Modernization, and Vacuums.

Mission Statement

Marco provides strong leadership and innovation to the surface preparation and protective coatings industries. We dedicate our efforts to the continuous improvement of our products, services, processes, people, and most importantly, the quality of our customer's experience.

Quality Statement

Marco is committed to providing superior quality in the design, manufacturing, distribution, rental, service, and repair of our products. Our ISO 9001:2008 certification extends throughout all operations in all locations. Continuous improvement of our processes and supply chain Integration comprise the core of our business strategy for delivering exceptional quality and value in all Marco products and services.

Management Philosophy

We are a company dedicated to the success of every customer and associate. We discuss, debate, challenge, measure, and test our ideas. We will be boundless and limitless in our passion to improve. Through sound leadership and dedicated associates, we will ensure a long term, profitable future for Marco, our associates, customers, and suppliers.

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PART NUMBERS

	BLASTMASTER® 950 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
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

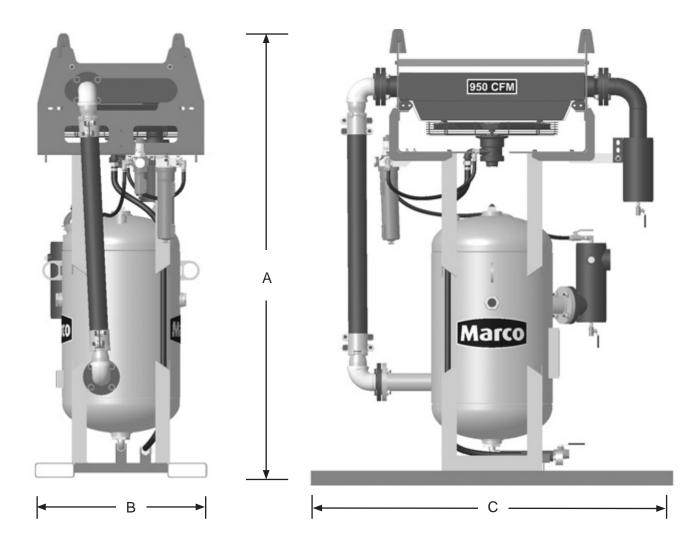
Dessicant tablets not included with $Blastmaster^{\circledast}\,950\,CFM$ Air Dryers

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.

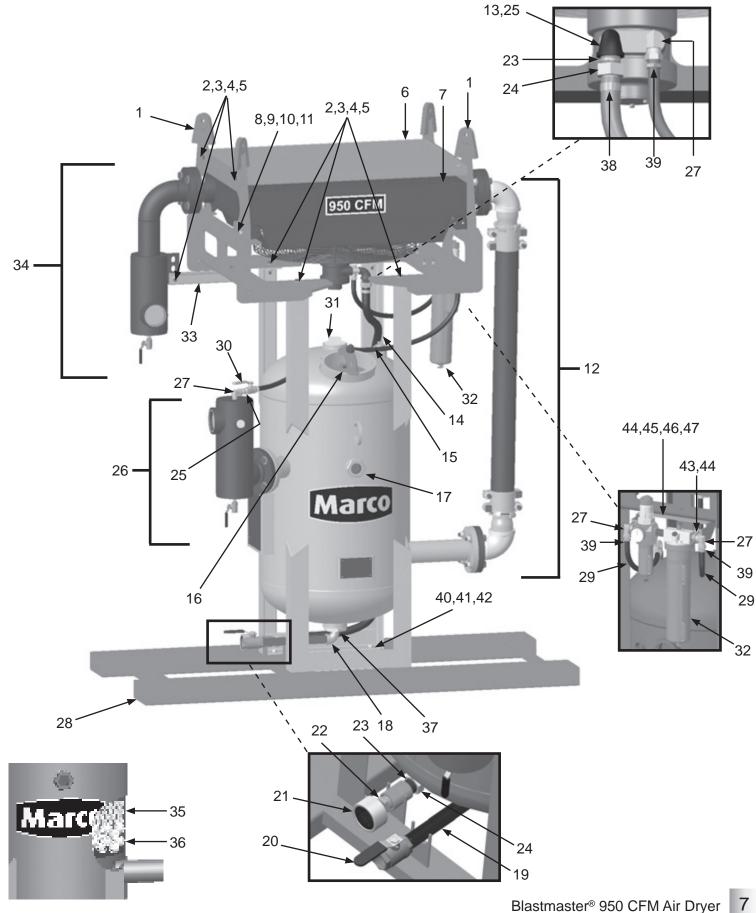
Blastmaster® 950 CFM Air Dryer—Pneumatic

Item #	Part #	Description
Fig. 1		
—	10101672	Blastmaster [®] 950 CFM Air Dryer – Pneumatic
1	10101033	950-1600 CFM Heat Exchanger Mounting Bracket (Two Required)
2	10101943	1/2-13 x 1-1/2" Bolt Galvanized (10 Required)
3	10100674	1/2" Flat Washer Galvanized (20 Required)
4	10100675	1/2" Split Lock Washer Galvanized (10 Required)
5	10101941	1/2-13 Hex Nut Galvanized (10 Required)
6	10101036	Heat Exchanger Protective Grate
7	10TTAHP9505	Aftercooler Assembly - Pneumatic - Complete (See Fig. 4)
8	10101059	3/8-16 x 1-1/4" Bolt Galvanized (<i>Four Required</i>)
9	10101942	3/8" I.D. x 3/4 O.D. Flat
C	10101012	Washer Galvanized
		(Eight Required)
10	10L805015	3/8" Lock Washer Galvanized
		(Four Required)
11	10101938	3/8-16 Hex Nut Galvanized
		(Four Required)
12	—	Transfer Hose Assembly (See Fig. 6)
13	10101002	1/2" x 1" NPT Reducing Elbow
14	10AH100	1" I.D. Air Hose (Per Foot)
15	1011902	1-1/4" NPT Plug
16	_	Inspection Door Assembly (See Fig. 9)
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	20100677	1/2" Hex Nipple
26	_	Outlet Filter Assembly (See Fig. 10)
27	10SAP1290	1/2" 90° Swivel (Four Required)
28	10101024	Skid Weldment
29	10AH012	1/2" I.D. Air Hose (Per Foot)
30	10L363	1/2" NPT Full Port Ball Valve
31	10101034	3" NPT Galvanized Pipe Plug
32	10105890	Filter/Regulator/Lubricator with Pressure Gauge (<i>See</i> <i>Fig. 8</i>)
33	10101170	Moisture Separator Brace
34	_	Inlet Filter Assembly (See Fig. 7)
35	_	Desiccant Tablets - Not Included (See Fig. 11)
36	10103922	Spherical Tower Packing (See Fig. 11)
37	10101844	3" NPTM x 1" NPTF Bushing
38	10ACHL1	Band Clamp (Two Required)
39	10PAF050	1/2" Push-on Hose Fitting (Four Required)
40	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc <i>(Four Required)</i>
41	10107496	1/2-13 Grade 8 Lock Nut Zinc (Four Required)
42	10104711	1/2" Grade 8 Flat Washer Zinc (<i>Eight Required</i>)
43	10109052	U-Bolt (Two Required)
44	10101940	1/4" Flat Washer (12 Required)
45	10108281	Mounting Bracket
46	10105903	1/4-20 x 1-1/4" Hex Bolt (Four Required)
47	10101939	1/4-20 Stainless Steel Lock Nut with Nylon Insert (Four Required)
—	106M115	Part Numbers and Schematics Guide – Blastmaster [®] 950 CFM Air Dryer
	1090115	Operator's Manual – Blastmaster [®] 950 CFM Air Dryer
_	1091045	Hazard Identification Tag
	1070517	Pneumatic Tool Oil — 32 oz.

6 Blastmaster® 950 CFM Air Dryer

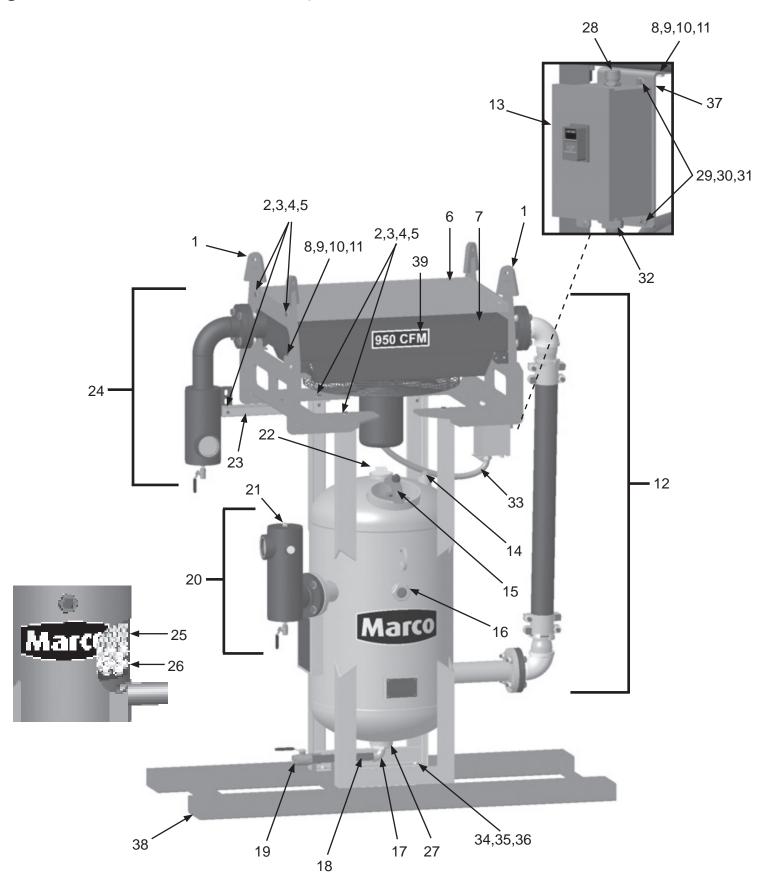
Figure 1: Blastmaster[®] 950 CFM Air Dryer—Pneumatic



Blastmaster[®] 950 CFM Air Dryer—115 Volt Electric

Item #	Part #	Description	Item #	Part #	Description
Fig. 2	10108808	Blastmaster [®] 950 CFM Air	24	_	Inlet Filter Assembly (See Fig. 7)
1	10101033	Dryer – 115 Volt Electric 950-1600 CFM Heat	25	-	Desiccant Tablets - Not Included (See Fig. 11)
I	10101033	Exchanger Mounting Bracket (Two Required)	26	10103922	Spherical Tower Packing (See Fig. 11)
2	10101943	1/2-13 x 1-1/2" Bolt Galvanized <i>(10 Required)</i>	27 28	10101844 20101197	3" NPTM x 1" NPTF Bushing 3/4" NPT Cord Grip
3	10100674	1/2" Flat Washer Galvanized (20 Required)	29	1012154	1/4-20 x 1" Hex Bolt Zinc (Four Required)
4	10100675	1/2" Split Lock Washer Galvanized (10 Required)	30	1014017	1/4" Flat Washer Zinc (<i>Eight Required</i>)
5	10101941	1/2-13 Hex Nut Galvanized (10 Required)	31	1012323	1/4"-20 Lock Nut Zinc (Four Required)
6	10101036	Heat Exchanger Protective Grate	32	10103303	3/4" Conduit Hub (Two Required)
7	10TTAHP9502	Aftercooler Assembly -	33	10103304	3/4" Flexible Conduit
		Electric - Complete (See Fig. 5)	34	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc <i>(Four Required)</i>
8	10101059	3/8-16 x 1-1/4" Bolt Galvanized <i>(Six Required)</i>	35	10107496	1/2-13 Grade 8 Lock Nut Zinc (Four Required)
9	10101942	3/8" I.D. x 3/4 O.D. Flat Washer Galvanized (12	36	10104711	1/2" Grade 8 Flat Washer Zinc (<i>Eight Required</i>)
10		Required)	37	10108830	Motor Starter Bracket
10	10L805015	3/8" Lock Washer	38	10101024	Skid Weldment
4.4	40404020	Galvanized (Six Required)	39	1094537	950 CFM Product Sticker
11	10101938	3/8-16 Hex Nut Galvanized (Six Required)	—	10108798	Thermal Unit - Full Load Current 16.2 - 17.6 Amps
12	_	Transfer Hose Assembly (See Fig. 6)	_	106M115	Part Numbers and Schematics Guide –
13	10108792	1 Phase Electric Motor Starter - 3 HP to 5 HP	_		Blastmaster [®] 950 CFM Air Dryer
14	1011902	1-1/4" NPT Plug	—	1090115	Operator's Manual –
15	_	Inspection Door Assembly (See Fig. 9)			Blastmaster [®] 950 CFM Air Dryer
16	10101688	2" NPT Sight Glass	_	1091045	Hazard Identification Tag
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			

Figure 2: Blastmaster[®] 950 CFM Air Dryer—115 Volt Electric



Blastmaster[®] 950 CFM Air Dryer—230 Volt Electric

Item #	Part #	Description	Item #	Part #	Description
Fig. 3	10101673	Blastmaster [®] 950 CFM Air	24	_	Inlet Filter Assembly (See Fig. 7)
1	10101033	Dryer – 230 Volt Electric 950-1600 CFM Heat	25	_	Desiccant Tablets Desiccant Tablets - Not Included (See
1	10101033	Exchanger Mounting			Fig. 11)
2	10101943	Bracket (Two Required) 1/2-13 x 1-1/2" Bolt	26	10103922	Spherical Tower Packing (See Fig. 11)
		Galvanized (10 Required)	27	10101844	3" NPTM x 1" NPTF Bushing
3	10100674	1/2" Flat Washer Galvanized (20 Required)	28	20101299	3/4" NPT Cord Grip 1/4-20 x 1" Hex Bolt Zinc
4	10100675	1/2" Split Lock Washer	29	1012154	(Four Required)
5	10101941	Galvanized (10 Required) 1/2-13 Hex Nut Galvanized	30	1014017	1/4" Flat Washer Zinc (Eight Required)
		(10 Required)	31	1012323	1/4"-20 Lock Nut Zinc (Four
6	10101036	Heat Exchanger Protective			Required)
7	10TTAHP9502	Grate Aftercooler Assembly -	32	10103303	3/4" Conduit Hub <i>(Two</i> <i>Required)</i>
		Electric - Complete (See	33	10103304	3/4" Flexible Conduit
8	10101059	<i>Fig. 5)</i> 3/8-16 x 1-1/4" Bolt	34	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc <i>(Four Required)</i>
		Galvanized (Six Required)	35	10107496	1/2-13 Grade 8 Lock Nut
9	10101942	3/8" I.D. x 3/4 O.D. Flat			Zinc (Four Required)
		Washer Galvanized (12	36	10104711	1/2" Grade 8 Flat Washer
10		Required)			Zinc (Eight Required)
10	10L805015	3/8" Lock Washer	37	10108830	Motor Starter Bracket
44	40404000	Galvanized (Six Required)	38	10101024	Skid Weldment
11	10101938	3/8-16 Hex Nut Galvanized	39	1094537	950 CFM Product Sticker
12	_	<i>(Six Required)</i> Transfer Hose Assembly	—	10108796	Thermal Unit - Full Load Current 8.48 - 9.83 Amps
		(See Fig. 6)		106M115	Part Numbers and
13	10101760	Motor Starter- Single Phase			Schematics Guide – Blastmaster [®] 950 CFM Air
14	1011902	1-1/4" NPT Plug			Dryer
15	_	Inspection Door Assembly (See Fig. 9)	—	1090115	Operator's Manual – Blastmaster [®] 950 CFM Air
16	10101688	2" NPT Sight Glass			Dryer
17	1011801	1" NPT Street Elbow	_	1091045	Hazard Identification Tag
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			

Figure 3: Blastmaster[®] 950 CFM Air Dryer—230 Volt Electric

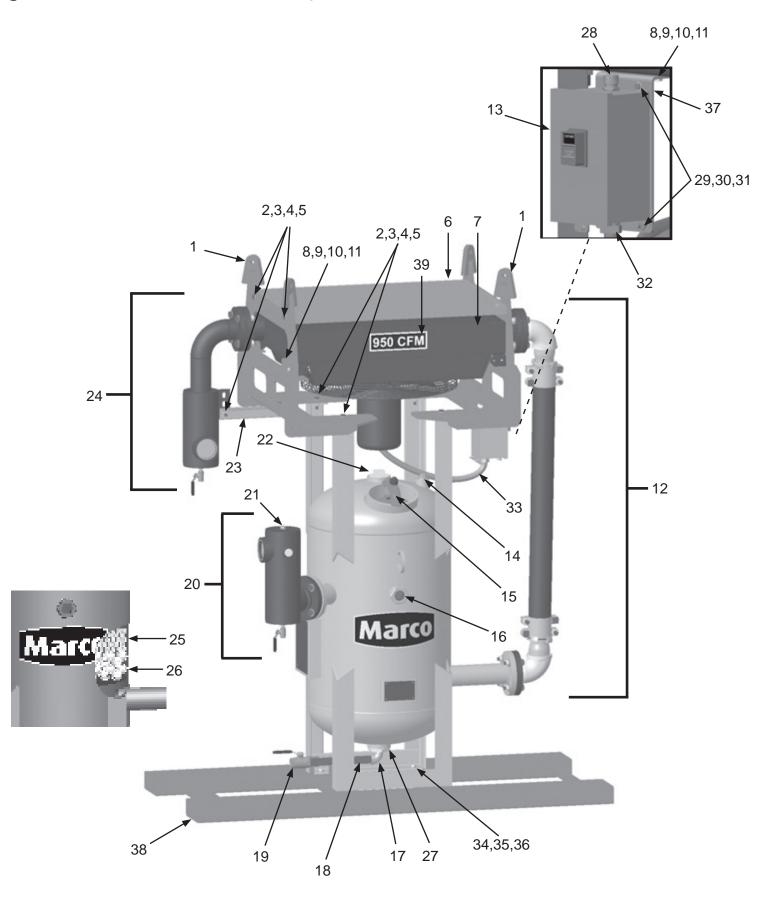
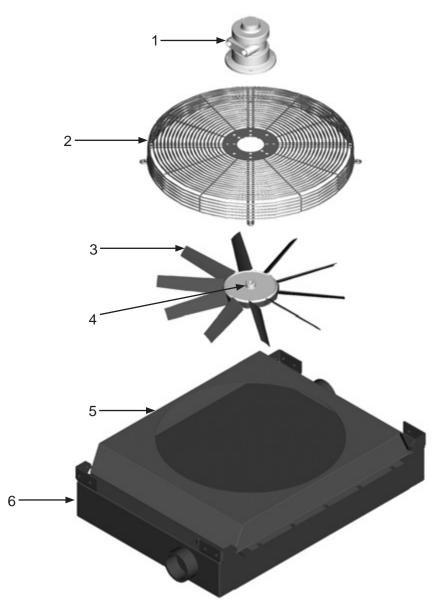
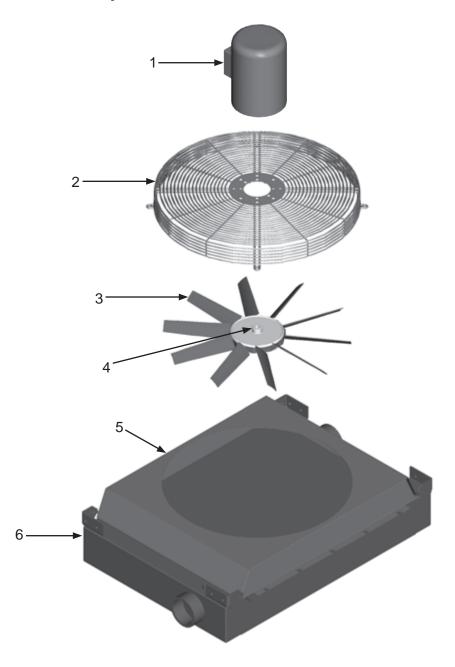


Figure 4: Aftercooler Assembly—Pneumatic



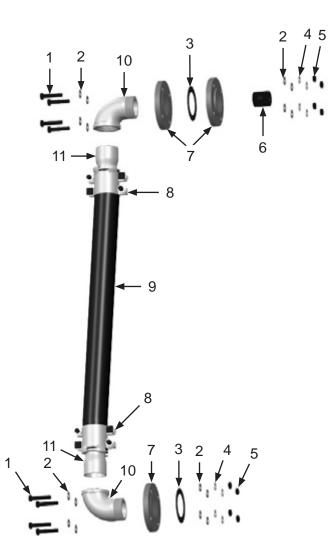
Item #	Part #	Description
Fig. 4		
—	10TTAHP9505	950 CFM Aftercooler—Pneumatic—Complete
1	10101795	Air Motor
2	10101799	Fan Guard
3	10101797	Fan Blades (Includes Blades and Hub)
4	10101798	Fan Bushing
5	10102957	Fan Shroud
6	10101794	Aftercooler Core
_	1070517	Pneumatic Tool Oil - 32 oz.
—	10101796	Air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



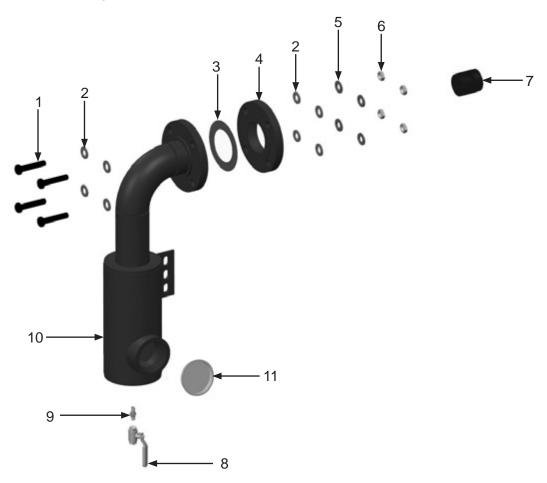
Item #	Part #	Description
Fig. 5		
	10TTAHP9502	950 CFM Aftercooler—Electric—Complete
1	10101760	Electric Motor – (115V/208-230V) – Single Phase
2	10101799	Fan Guard
3	10101797	Fan Blades (Includes Blades and Hub)
4	10101802	Fan Bushing
5	10102957	Fan Shroud
6	10101794	Aftercooler Core

Figure 6: Transfer Hose Assembly



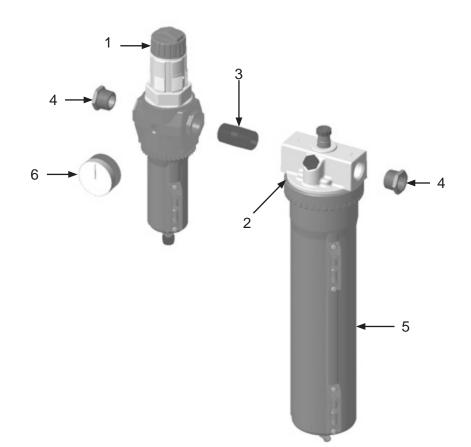
Item #	Part #	Description
Fig. 6		
1	10101058	5/8-11 x 3" Grade 8 Bolt (Eight Required)
2	10101060	5/8" Flat Washer (16 Required)
3	10101047	Flange Gasket (Two Required)
4	10103399	5/8" Grade 8 Split Lock Washer (Eight Required)
5	10103393	5/8-11 Grade 8 Hex Nut (Eight Required)
6	10101040	3" NPT Close 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)

Figure 7: Inlet Filter Assembly



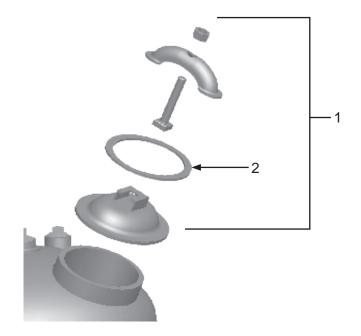
Item #	Part #	Description
Fig. 7		
1	10101058	5/8-11 x 3" Grade 8 Bolt (Four Required)
2	10101060	5/8" Flat Washer (Eight Required)
3	10101047	Flange Gasket
4	10101041	3" NPT Threaded Flange
5	10103399	5/8" Grade 8 Split Lock Washer (Four Required)
6	10103393	5/8-11 Grade 8 Hex Nut (Four Required)
7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



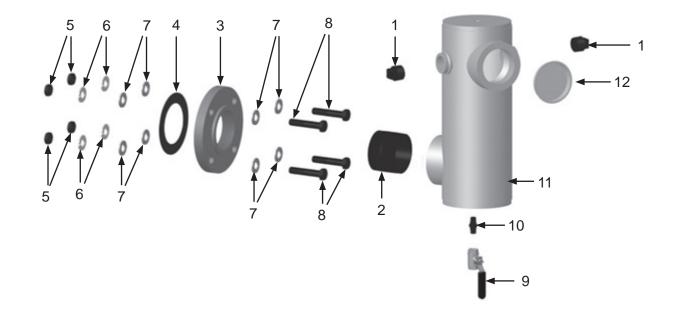
Item #	Part #	Description
Fig. 8		
	10105890	Air Filter/Regulator/Lubricator with Pressure Gauge—Pneumatic—Complete
1	10105891	Filter/Regulator
2	10106432	Large O-ring - Lubricator
3	10105894	3/4" x 2" Pipe Nipple
4	10105895	Coupler with 3/4" x 1/2" Reducing Bushing (Two Required)
5	10106507	Lubricator Bowl
6	1028606	Pressure Gauge – 0-160 PSI 1/4" – Back Mount
	1070517	Pneumatic Tool Oil - 32 oz.
	10106504	Diaphragm Kit for Filter/Regulator
	10106505	Bowl, 0-Ring and Site Gauge Kit for Filter/Regulator
	10106506	Cartridge Kit for Lubricator

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

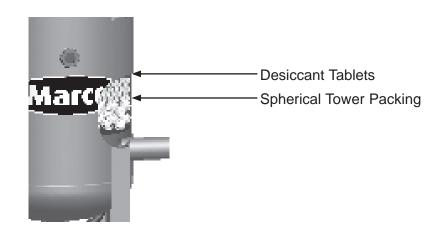
Figure 10: Outlet Filter



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 (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" Hex Nipple
11	10101686	Outlet Filter Body
12	10101238	3" NPT Transport Plug

OPTIONAL ACCESSORIES

Figure 11: Desiccant Tablets and Spherical Tower Packing



DESICCAN		T 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			
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	GALVANIZED SQUARE HEAD PIPE PLUGS
	Numbers	Size
۲	1011901	1"
٢	1011902	1-1/4"
٢	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
		· _ · · _ · · _ /
		· _ · · _ · · _ /

40+NATIONWIDESHIPPINGLOCATIONS

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