



BLASTMASTER® 750 CFM AFTERCOOLER WITH COALESCING TANK



BUILT MARCO
TOUGH
MARCO MANUFACTURED

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.

TABLE OF CONTENTS

Company Profile	2
Table of Contents	3
Part Numbers	4
Specifications	5
Part Numbers & Schematics	6-14
Blastmaster® 750 CFM Aftercooler With Coalescing Tank—Pneumatic	6-7
Blastmaster® 750 CFM Aftercooler With Coalescing Tank—115 Volt Electric	8-9
Blastmaster® 750 CFM Aftercooler With Coalescing Tank—230 Volt Electric	10-11
Aftercooler Assembly—Pneumatic	12
Aftercooler Assembly—Electric	13
Transfer Hose Assembly	14
Inlet Filter Assembly	15
Air Regulator/Lubricator	16
Optional Accessories	17-18
Airflow Shutoff Kits – Lug Fittings	17
Airflow Shutoff Kits – Hammerlock Fittings	17
Pipe Plugs	18
Lubrication	18
Maintenance Notes	19

PART NUMBERS

BLASTMASTER® 750 CFM AFTERCOOLER WITH COALESCING TANK									
Part Numbers	Inlet			Outlet			Power Source	Filter, Regulator, and Lubricator	Electric Starter Box
	Inlet Quantity	Inlet Size	Fittings	Outlet Quantity	Outlet Size	Fittings			
10101173	1	3"	Not Included	9	(2) 3", (2) 2", (1) 1-1/4", (4) 1"	Not Included	Pneumatic	Included	Not Included
10108806	1	3"	Not Included	9	(2) 3", (2) 2", (1) 1-1/4", (4) 1"	Not Included	115-Volt AC	Not Included	Included
10101174	1	3"	Not Included	9	(2) 3", (2) 2", (1) 1-1/4", (4) 1"	Not Included	230-Volt AC	Not Included	Included

* Inlet fittings include 3" (M) x 2" (F) Reducing Bushing.



10101173



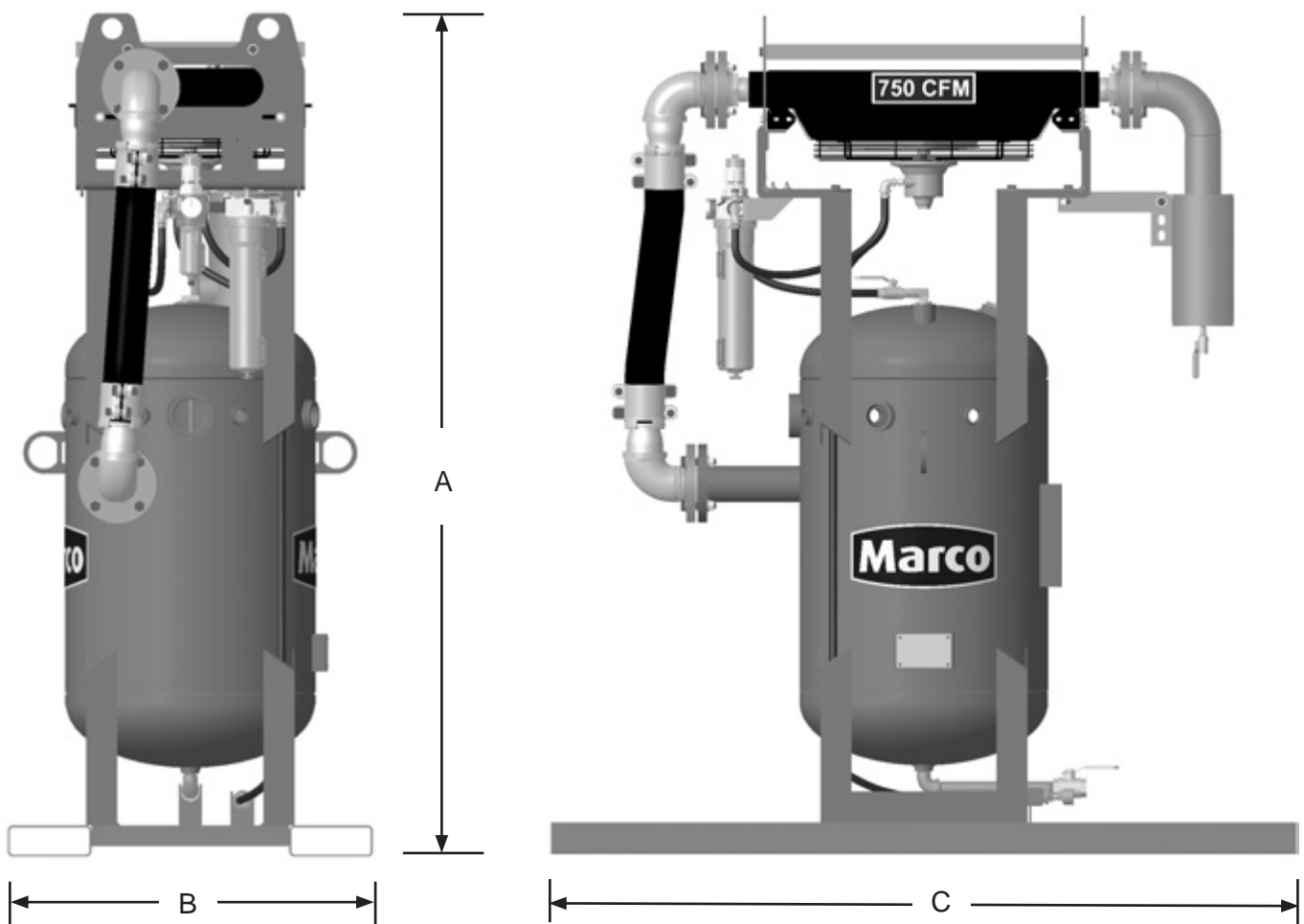
10108806 & 10101174

SPECIFICATIONS

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

Empty Weight: 900 Pounds

Overall Dimensions: A: 81"
B: 35"
C: 72"



Pneumatic model shown. Electric model has same dimensions.

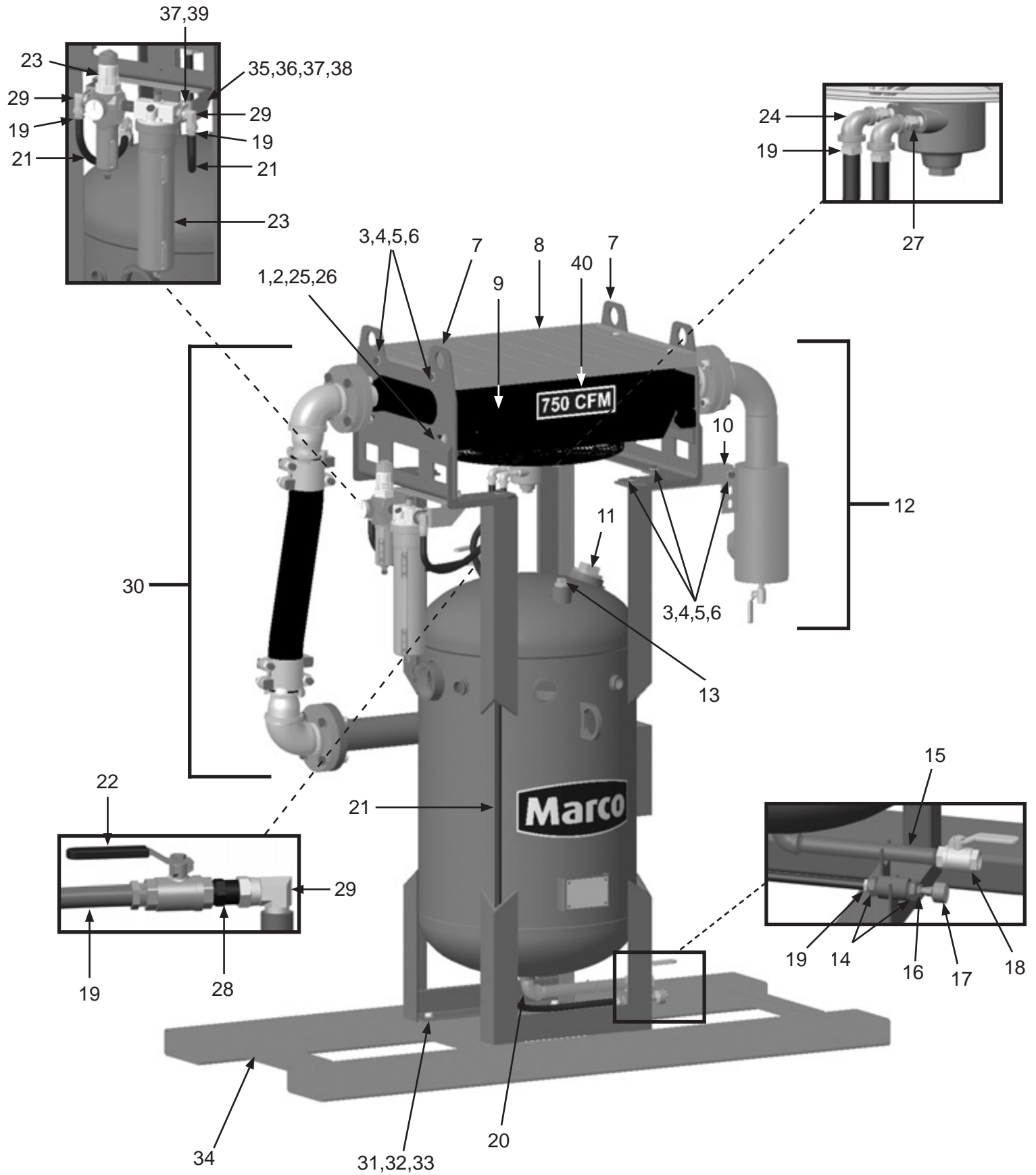
PART NUMBERS & SCHEMATICS

Blastmaster® 750 CFM Aftercooler With Coalescing Tank—Pneumatic

Item #	Part #	Description
Fig. 1		
—	10101173	Blastmaster® 750 CFM Aftercooler with Coalescing Tank—Pneumatic
1	10101059	3/8-16 x 1-1/4" Galvanized Bolt <i>(Four Required)</i>
2	10101942	3/8" x 3/4" Washer Galvanized <i>(Eight Required)</i>
3	10101943	1/2-13 x 1-3/4" Bolt Galvanized <i>(10 Required)</i>
4	10100674	1/2" Flat Washer Galvanized <i>(20 Required)</i>
5	10100675	1/2" Split Lock Washer Galvanized <i>(10 Required)</i>
6	10101941	1/2-13 Hex Nut Galvanized <i>(10 Required)</i>
7	10101176	Mounting Bracket <i>(Two Required)</i>
8	10101179	Heat Exchanger Protective Grate
9	10TTAHP7255	750 CFM Aftercooler - Pneumatic—Complete (See Fig. 4)
10	10101170	Brace
11	10101034	3" NPT Galvanized Pipe Plug
12	—	Inlet Filter Assembly <i>(See Fig. 7)</i>
13	1011902	1-1/4" NPT Galvanized Pipe Plug
14	1011812	1" to 1/2" Bushing
15	10101064	1" x 12" NPT Pipe Nipple
16	1011818	1/2" to 1/4" Bushing
17	10101784	Aftercooler Muffler
18	1011601	1" NPT Full Port Valve
19	10PAF050	1/2" Push-on Hose Fitting <i>(Six Required)</i>
20	1011801	1" NPT Street Elbow
21	10AH012	1/2" I.D. Air Hose <i>(Per Foot)</i>
22	10L363	1/2" NPT Full Port Ball Valve
23	10105890	Air Regulator/Lubricator with Pressure Gauge <i>(See Fig. 8)</i>
24	10101185	1/2" x 1/4" Reducing Elbow <i>(Two Required)</i>
25	10L805015	3/8" Lock Washer Galvanized <i>(Four Required)</i>
26	10101938	3/8"-16 Hex Nut Galvanized <i>(Four Required)</i>
27	1017019	1/4" NPT Hex Nipple <i>(Two Required)</i>
28	20100677	1/2" NPT Hex Nipple
29	10SAP1290	1/2" 90° Swivel <i>(Three Required)</i>
30	—	Transfer Hose Assembly <i>(See Fig. 6)</i>
31	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc <i>(Four Required)</i>
32	10107496	1/2-13 Grade 8 Lock Nut Zinc <i>(Four Required)</i>
33	10104711	1/2" Grade 8 Flat Washer Zinc <i>(Eight Required)</i>
34	10101024	Skid Weldment
35	10108281	Mounting Bracket
36	10105903	1/4-20 x 1-1/4" Hex Bolt <i>(Four Required)</i>
37	10101940	1/4" Flat Washer <i>(12 Required)</i>
38	10101939	1/4-20 Stainless Steel Lock Nut with Nylon Insert <i>(Four Required)</i>
39	10109052	U-Bolt <i>(Two Required)</i>
40	1094536	750 CFM Product Sticker
—	1070517	Pneumatic Tool Oil — 32 oz.

PART NUMBERS AND SCHEMATICS

Figure 1: Blastmaster® 750 CFM Aftercooler With Coalescing Tank—Pneumatic



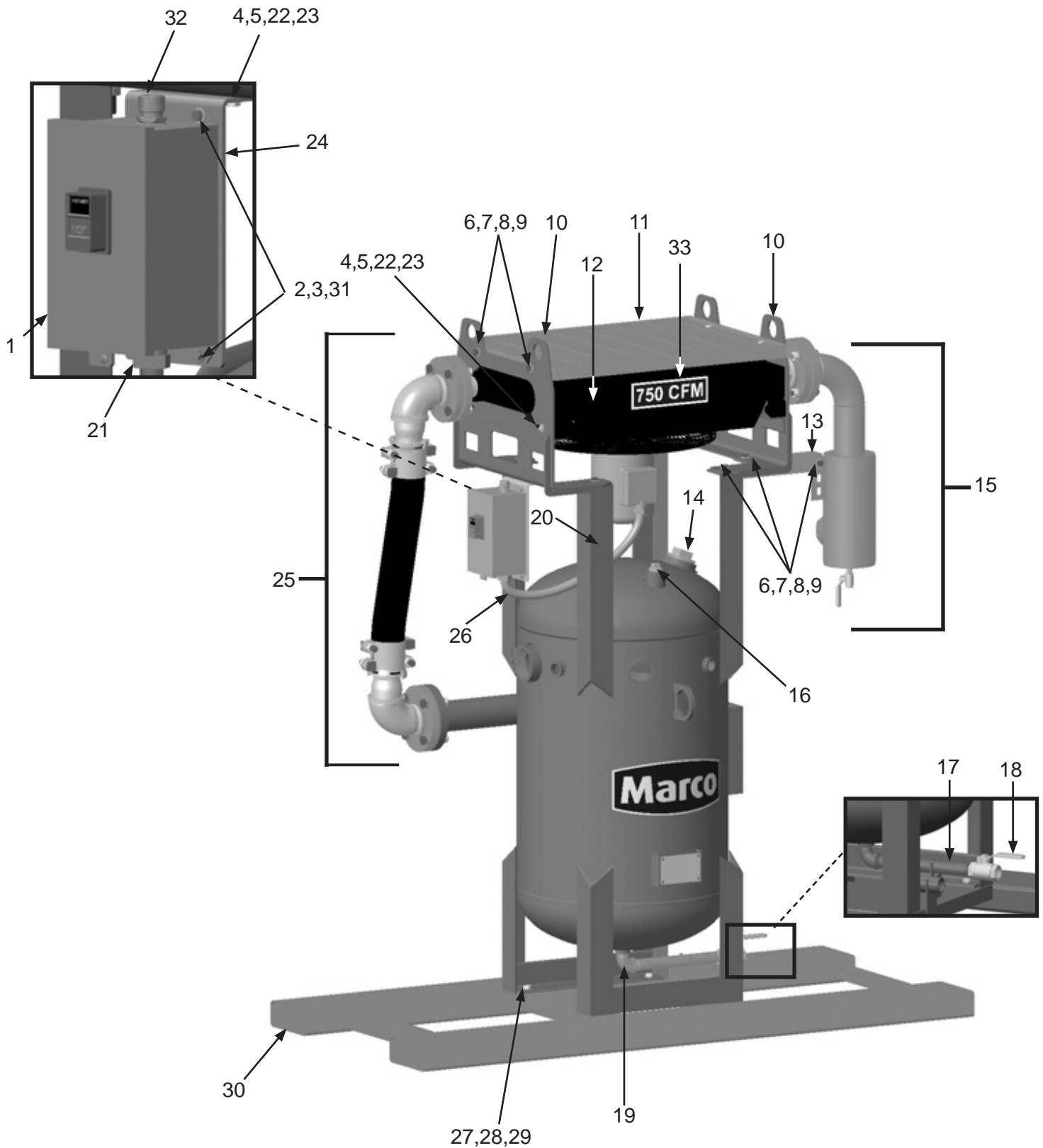
PART NUMBERS AND SCHEMATICS

Blastmaster® 750 CFM Aftercooler With Coalescing Tank—115 Volt Electric

Item #	Part #	Description
Fig. 2		
—	10108806	Blastmaster® 750 CFM Aftercooler with Coalescing Tank—115 Volt Electric
1	10108792	1 Phase Electric Motor Starter - 3 HP to 5 HP
2	1012154	1/4-20 x 1" Hex Bolt Zinc (<i>Four Required</i>)
3	1014017	1/4" Flat Washer Zinc (<i>Eight Required</i>)
4	10101059	3/8-16 x 1-1/4" Bolt Galvanized (<i>Four Required</i>)
5	10101942	3/8" x 3/4" Washer Galvanized (<i>Eight Required</i>)
6	10101943	1/2-13 x 1-3/4" Hex Bolt Galvanized (<i>10 Required</i>)
7	10100674	1/2" Flat Washer Galvanized (<i>20 Required</i>)
8	10100675	1/2" Split Lock Washer Galvanized (<i>10 Required</i>)
9	10101941	1/2-13 Hex Nut Galvanized (<i>10 Required</i>)
10	10101176	Mounting Bracket (<i>Two Required</i>)
11	10101179	Heat Exchanger Protective Grate
12	10TTAHP7252	750 CFM Aftercooler Assembly - Electric - Complete (<i>See Fig. 5</i>)
13	10101170	Brace
14	10101034	3" NPT Galvanized Pipe Plug
15	—	Inlet Filter Assembly (<i>See Fig. 7</i>)
16	1011902	1-1/4" NPT Galvanized Pipe Plug
17	10101064	1" x 12" NPT Pipe Nipple
18	1011601	1" NPT Full Port Valve
19	1011801	1" NPT Street Elbow
20	20G100737	1/2" NPT Pipe Plug
21	10103303	3/4" Conduit Hub (<i>Two Required</i>)
22	10L805015	3/8" Lock Washer Galvanized (<i>Four Required</i>)
23	10101938	3/8"-16 Hex Nut Galvanized (<i>Four Required</i>)
24	10108830	Motor Starter Bracket
25	—	Transfer Hose Assembly (<i>See Fig. 6</i>)
26	10103304	3/4" Flexible Conduit
27	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc (<i>Four Required</i>)
28	10107496	1/2-13 Grade 8 Lock Nut Zinc (<i>Four Required</i>)
29	10104711	1/2" Grade 8 Flat Washer Zinc (<i>Eight Required</i>)
30	10101024	Skid Weldment
31	1012323	1/4"-20 Lock Nut Zinc (<i>Four Required</i>)
32	20101197	3/4" NPT Cord Grip
33	1094536	750 CFM Product Sticker
—	10108798	Thermal Unit - Full Load Current 16.2 - 17.6 Amps
—	1091017	Hazard Identification Tag
—	106M093	Part Numbers and Schematics Guide – Blastmaster® 750 CFM Aftercooler with Coalescing Tank
—	1090093	Operator's Manual – Blastmaster® 750 CFM Aftercooler with Coalescing Tank

PART NUMBERS AND SCHEMATICS

Figure 2: Blastmaster® 750 CFM Aftercooler With Coalescing Tank—115 Volt Electric



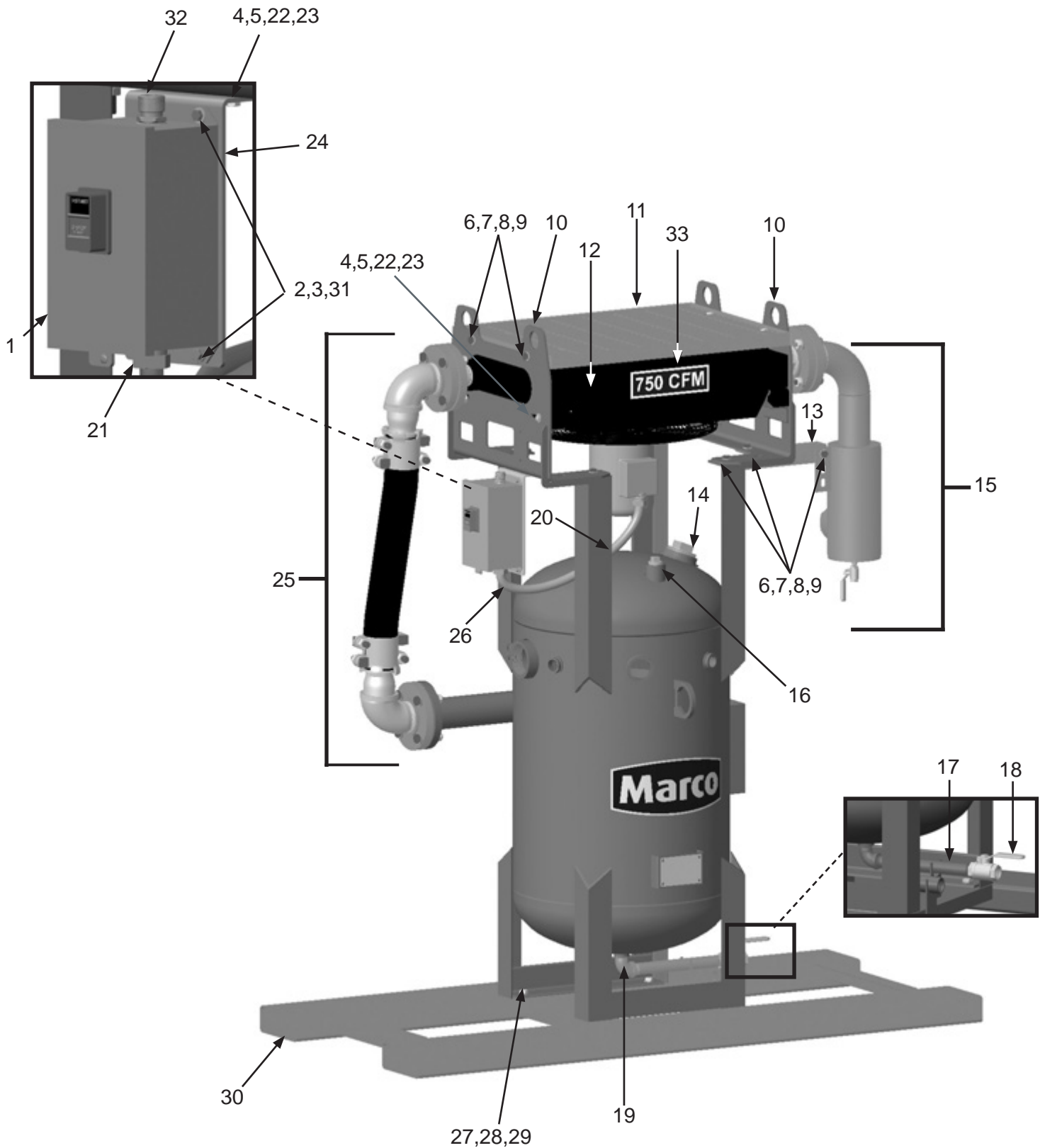
PART NUMBERS AND SCHEMATICS

Blastmaster® 750 CFM Aftercooler With Coalescing Tank—230 Volt Electric

Item #	Part #	Description
Fig. 3		
—	10101174	Blastmaster® 750 CFM Aftercooler with Coalescing Tank—230 Volt Electric
1	10101760	Electric Motor Starter Box – Single Phase
2	1012154	1/4-20 x 1" Hex Bolt Zinc (<i>Four Required</i>)
3	1014017	1/4" Flat Washer Zinc (<i>Eight Required</i>)
4	10101059	3/8-16 x 1-1/4" Bolt Galvanized (<i>Four Required</i>)
5	10101942	3/8" x 3/4" Washer Galvanized (<i>Eight Required</i>)
6	10101943	1/2-13 x 1-3/4" Hex Bolt Galvanized (<i>10 Required</i>)
7	10100674	1/2" Flat Washer Galvanized (<i>20 Required</i>)
8	10100675	1/2" Split Lock Washer Galvanized (<i>10 Required</i>)
9	10101941	1/2-13 Hex Nut Galvanized (<i>10 Required</i>)
10	10101176	Mounting Bracket (<i>Two Required</i>)
11	10101179	Heat Exchanger Protective Grate
12	10TTAHP7252	750 CFM Aftercooler Assembly - Electric - Complete (<i>See Fig. 5</i>)
13	10101170	Brace
14	10101034	3" NPT Galvanized Pipe Plug
15	—	Inlet Filter Assembly (<i>See Fig. 7</i>)
16	1011902	1-1/4" NPT Galvanized Pipe Plug
17	10101064	1" x 12" NPT Pipe Nipple
18	1011601	1" NPT Full Port Valve
19	1011801	1" NPT Street Elbow
20	20G100737	1/2" NPT Pipe Plug
21	10103303	3/4" Conduit Hub (<i>Two Required</i>)
22	10L805015	3/8" Lock Washer Galvanized (<i>Four Required</i>)
23	10101938	3/8"-16 Hex Nut Galvanized (<i>Four Required</i>)
24	10108830	Motor Starter Bracket
25	—	Transfer Hose Assembly (<i>See Fig. 6</i>)
26	10103304	3/4" Flexible Conduit
27	10107495	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc (<i>Four Required</i>)
28	10107496	1/2-13 Grade 8 Lock Nut Zinc (<i>Four Required</i>)
29	10104711	1/2" Grade 8 Flat Washer Zinc (<i>Eight Required</i>)
30	10101024	Skid Weldment
31	1012323	1/4"-20 Lock Nut Zinc (<i>Four Required</i>)
32	20101299	3/4" NPT Cord Grip
33	1094536	750 CFM Product Sticker
—	10108796	Thermal Unit - Full Load Current 8.48 - 9.83 Amps
—	1091017	Hazard Identification Tag
—	106M093	Part Numbers and Schematics Guide – Blastmaster® 750 CFM Aftercooler with Coalescing Tank
—	1090093	Operator's Manual – Blastmaster® 750 CFM Aftercooler with Coalescing Tank

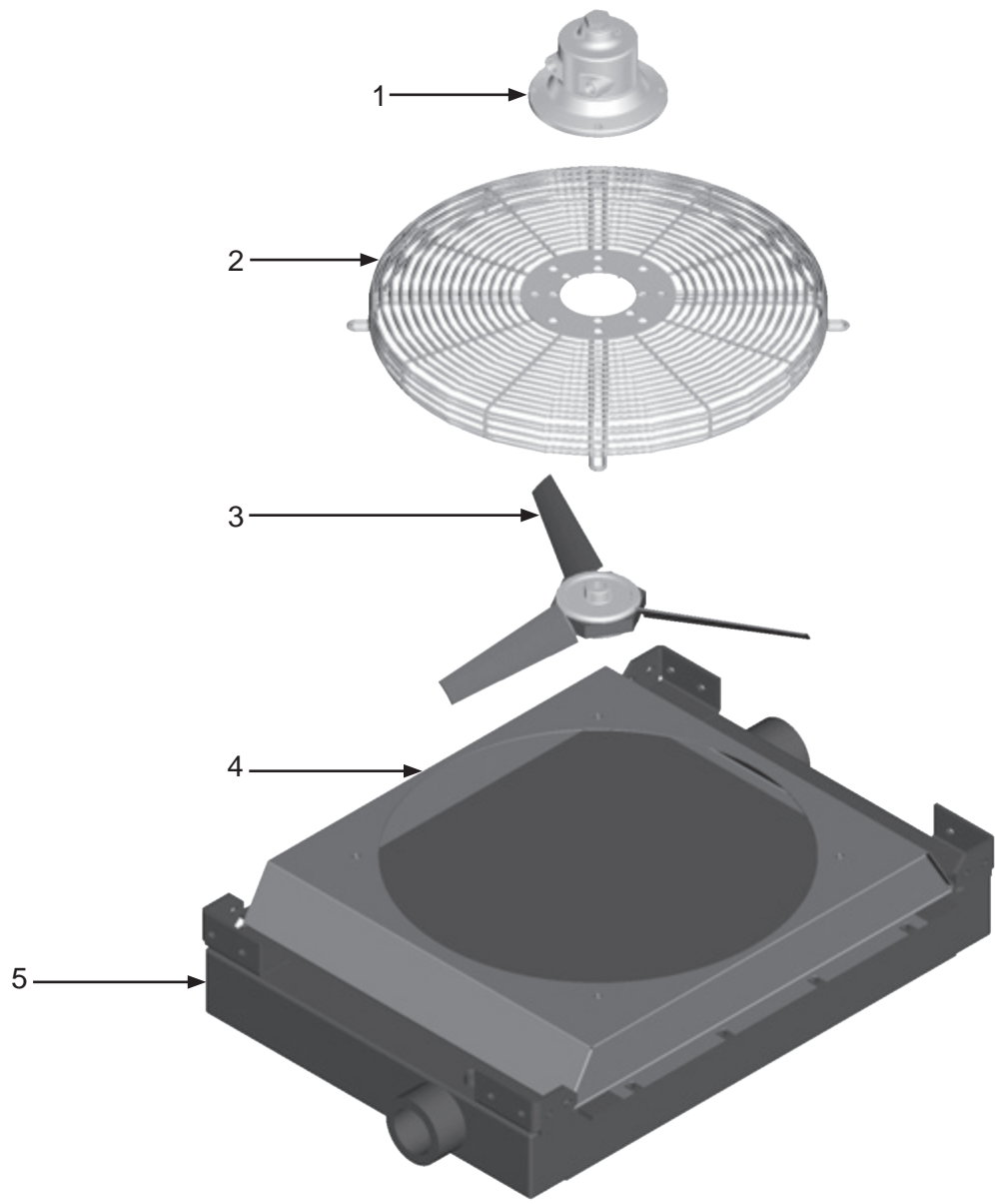
PART NUMBERS AND SCHEMATICS

Figure 3: Blastmaster® 750 CFM Aftercooler With Coalescing Tank—230 Volt Electric



PART NUMBERS AND SCHEMATICS

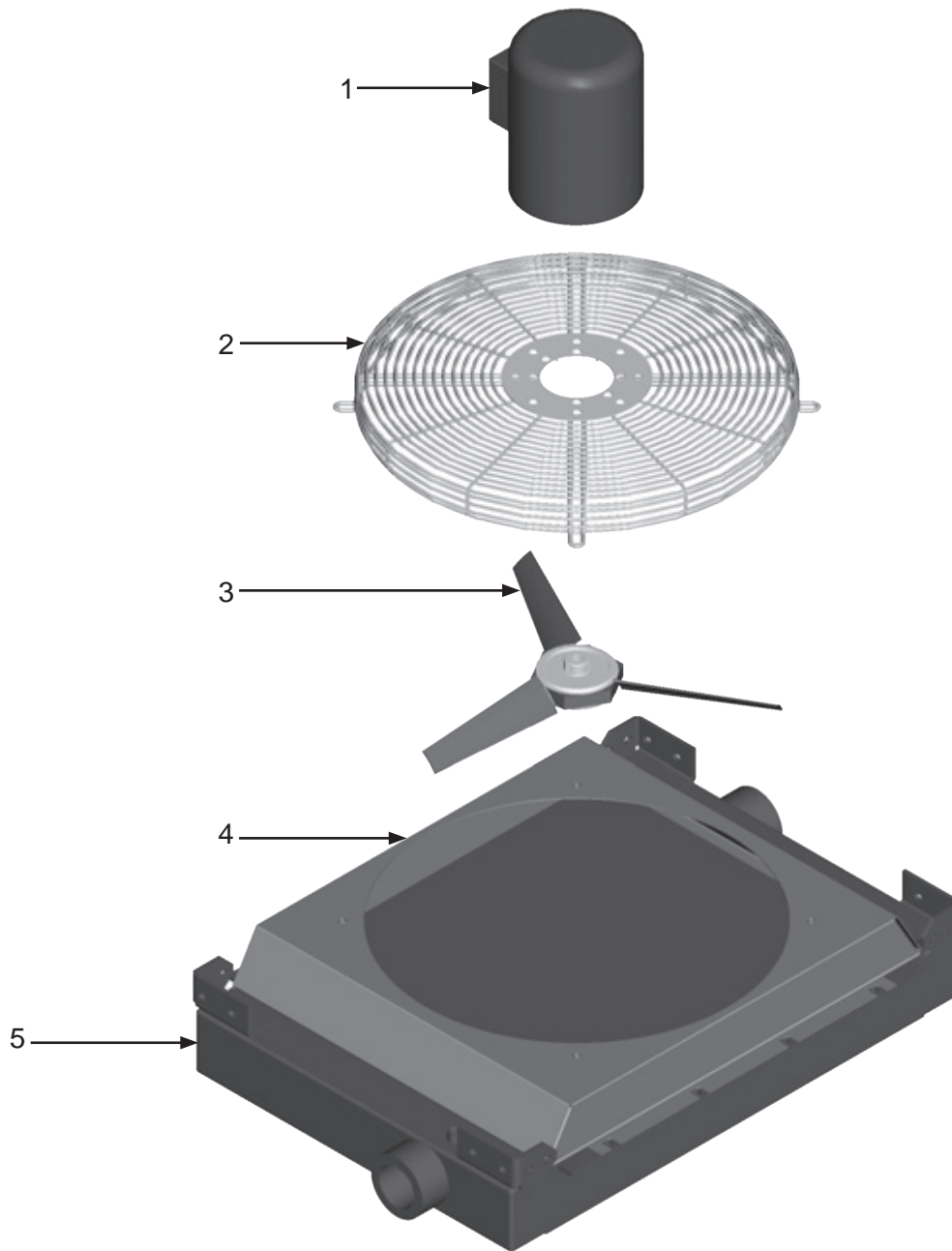
Figure 4: Aftercooler Assembly—Pneumatic



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)

PART NUMBERS AND SCHEMATICS

Figure 5: Aftercooler Assembly—Electric



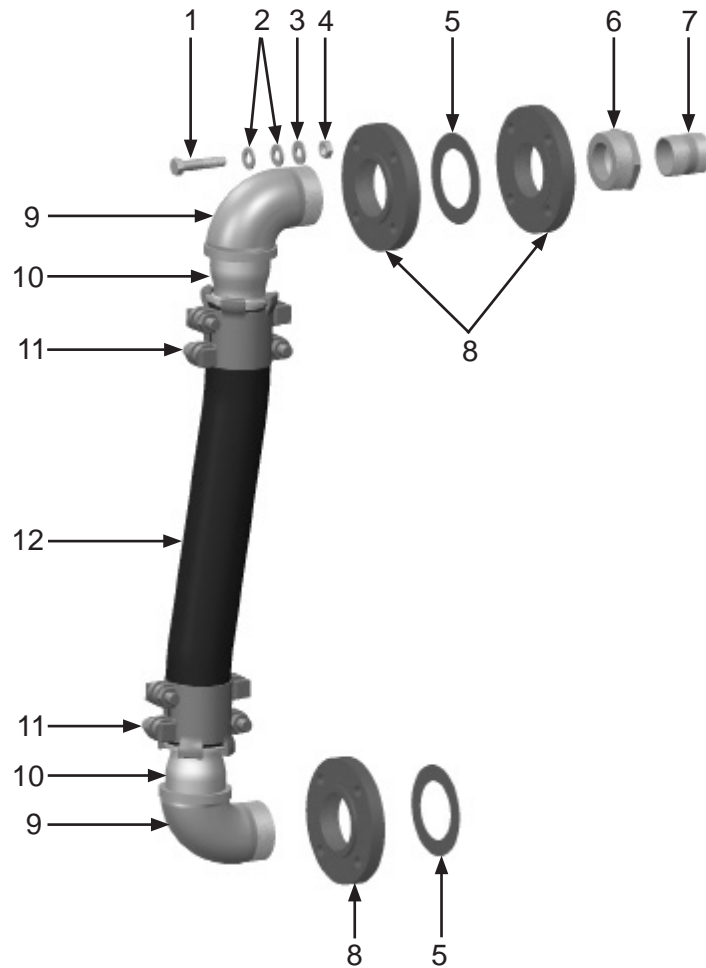
Item #	Part #	Description
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Fig. 5

—	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

PART NUMBERS AND SCHEMATICS

Figure 6: Transfer Hose Assembly



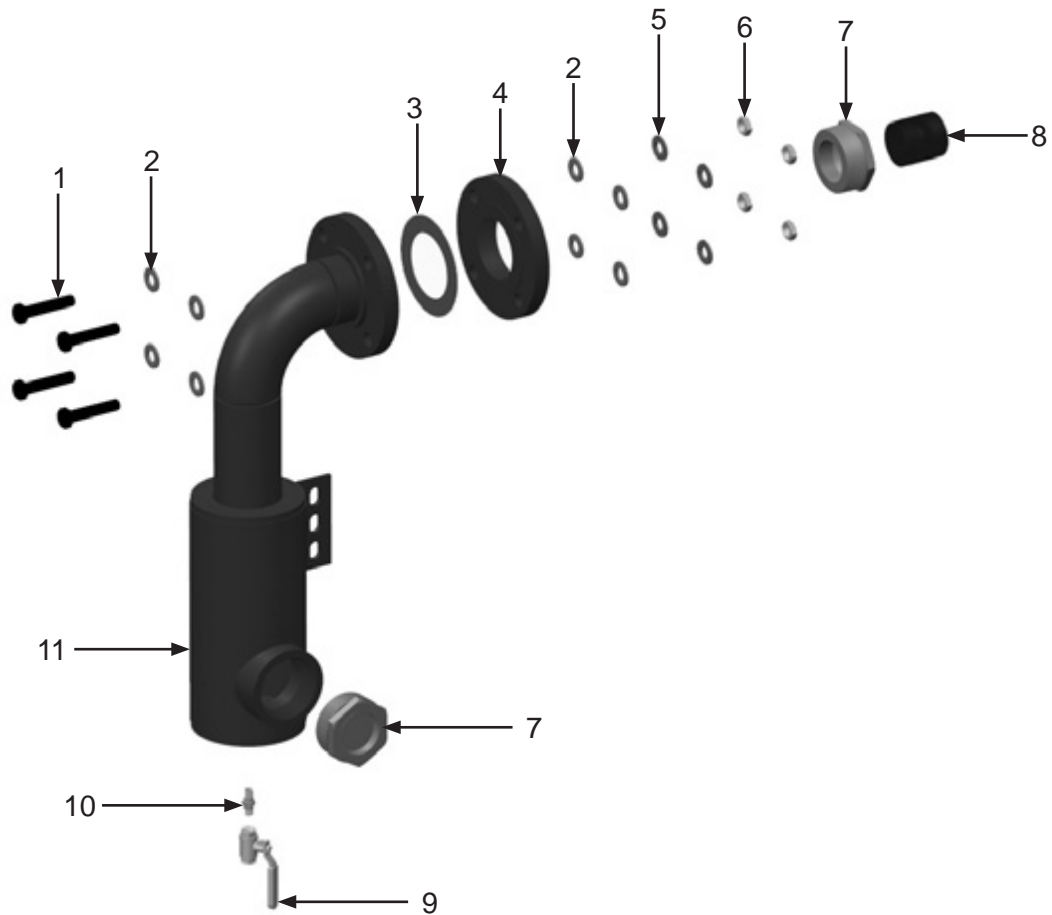
Item #	Part #	Description
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Fig. 6

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	10103399	5/8" Grade 8 Split Lock Washer <i>(Four Required)</i>
4	10103393	5/8-11 Grade 8 Hex Nut <i>(Four Required)</i>
5	10101047	Flange Gasket
6	10101183	3" to 2" Bushing
7	1001806	2" NPT Close Nipple
8	10101041	3" NPT Threaded Flange <i>(Three Required)</i>
9	10101148	3" NPT Street Elbow <i>(Two Required)</i>
10	10101754	3" NPT Hose Stem <i>(Two Required)</i>
11	10BU35	3" Boss Clamp <i>(Two Required)</i>
12	10101045	3" I.D. Steel Reinforced Air Hose <i>(Per Foot)</i>

PART NUMBERS AND SCHEMATICS

Figure 7: Inlet Filter Assembly



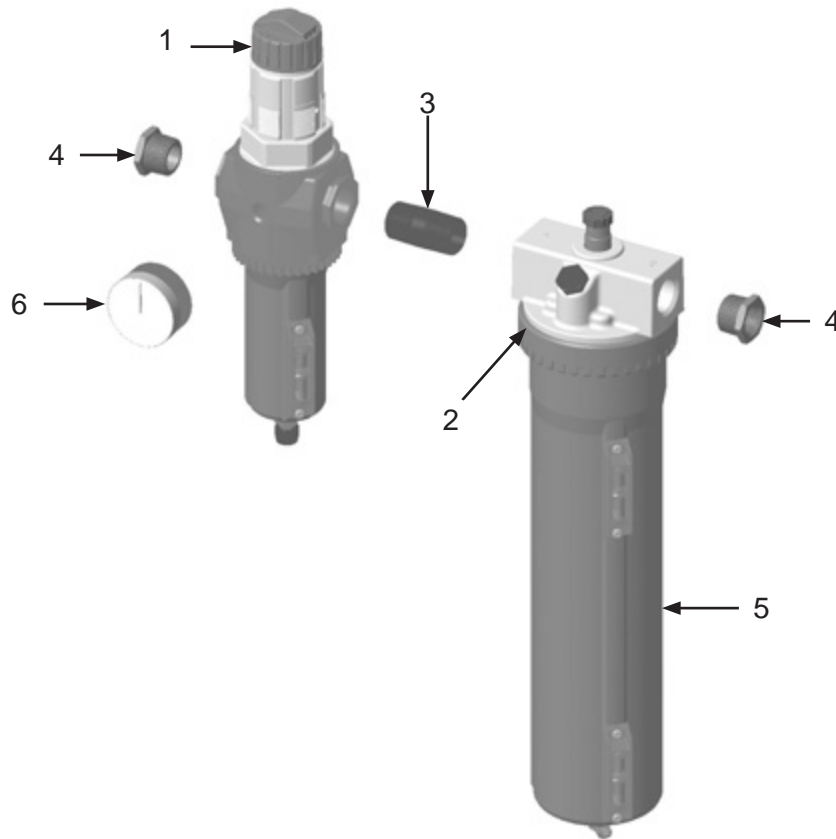
Item #	Part #	Description
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Fig. 7

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	10101183	3" to 2" Bushing <i>(Two Required)</i>
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

PART NUMBERS AND SCHEMATICS

Figure 8: Air Filter/Regulator/Lubricator



Item #	Part #	Description
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Fig. 8

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

MAINTENANCE NOTES

[illegible]

CONTACT CENTER

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