



# BLASTMASTER® 400 CFM AFTERCOOLER WITH COALESCING TANK



**BUILT MARCO TOUGH**  
MARCO MANUFACTURED

**PART NUMBERS AND SCHEMATIC 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® 400 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				
	10101250	1	3"	Not Included	9	(1) 3", (1) 2", (2) 1-1/2", (1) 1-1/4", (4) 1"				Not Included
10101251	1	3"	Not Included	9	(1) 3", (1) 2", (2) 1-1/2", (1) 1-1/4", (4) 1"	Not Included	115-Volt AC	Not Included	Included	
10108807	1	3"	Not Included	9	(1) 3", (1) 2", (2) 1-1/2", (1) 1-1/4", (4) 1"	Not Included	230-Volt AC	Not Included	Included	

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



**Blastmaster® 400 CFM Aftercooler with Coalescing Tank – Pneumatic**



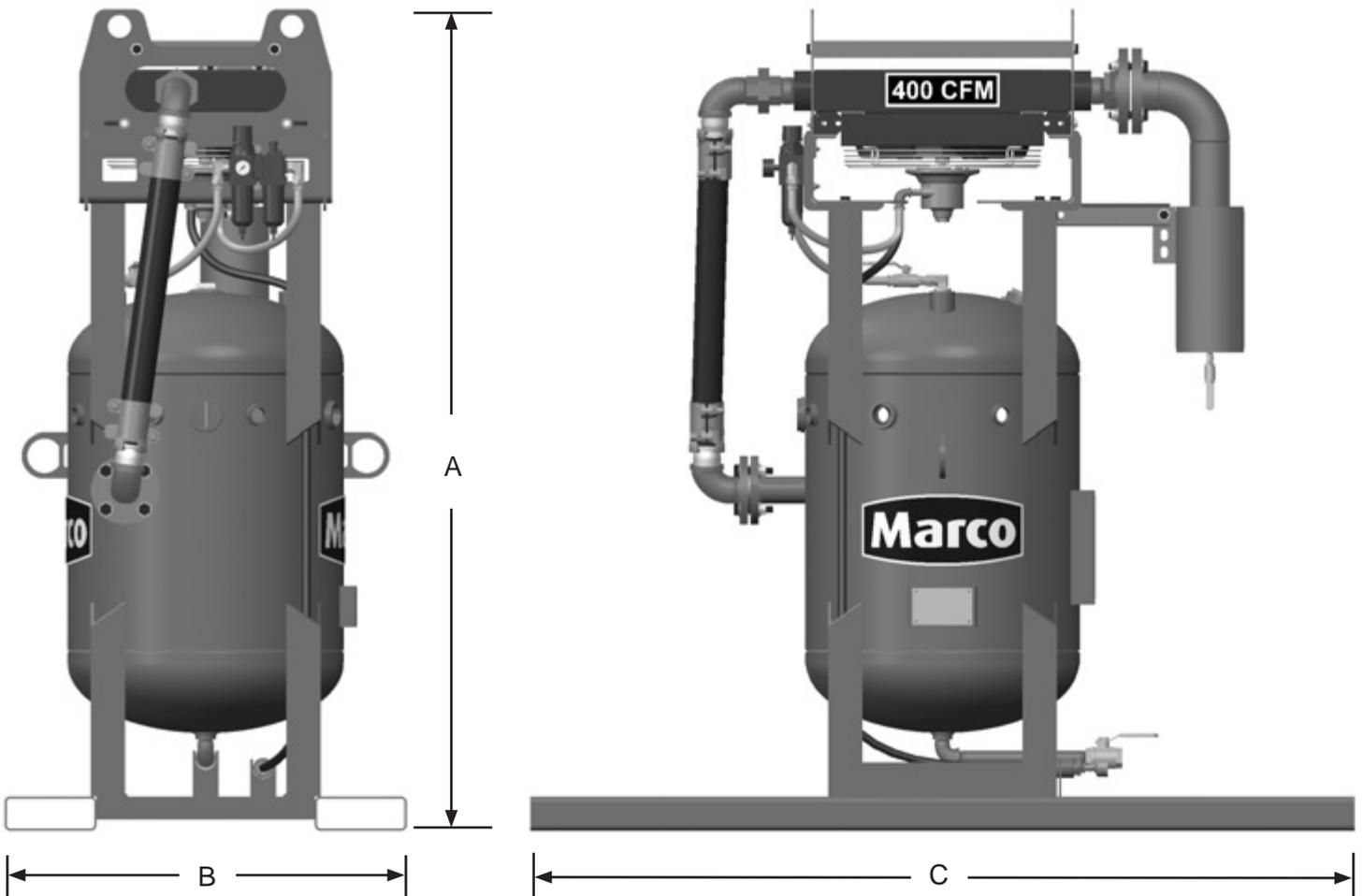
**Blastmaster® 400 CFM Aftercooler with Coalescing Tank – Electric**

## SPECIFICATIONS

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

**Empty Weight:** 675 Pounds

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



Pneumatic model shown. Electric model has same dimensions.

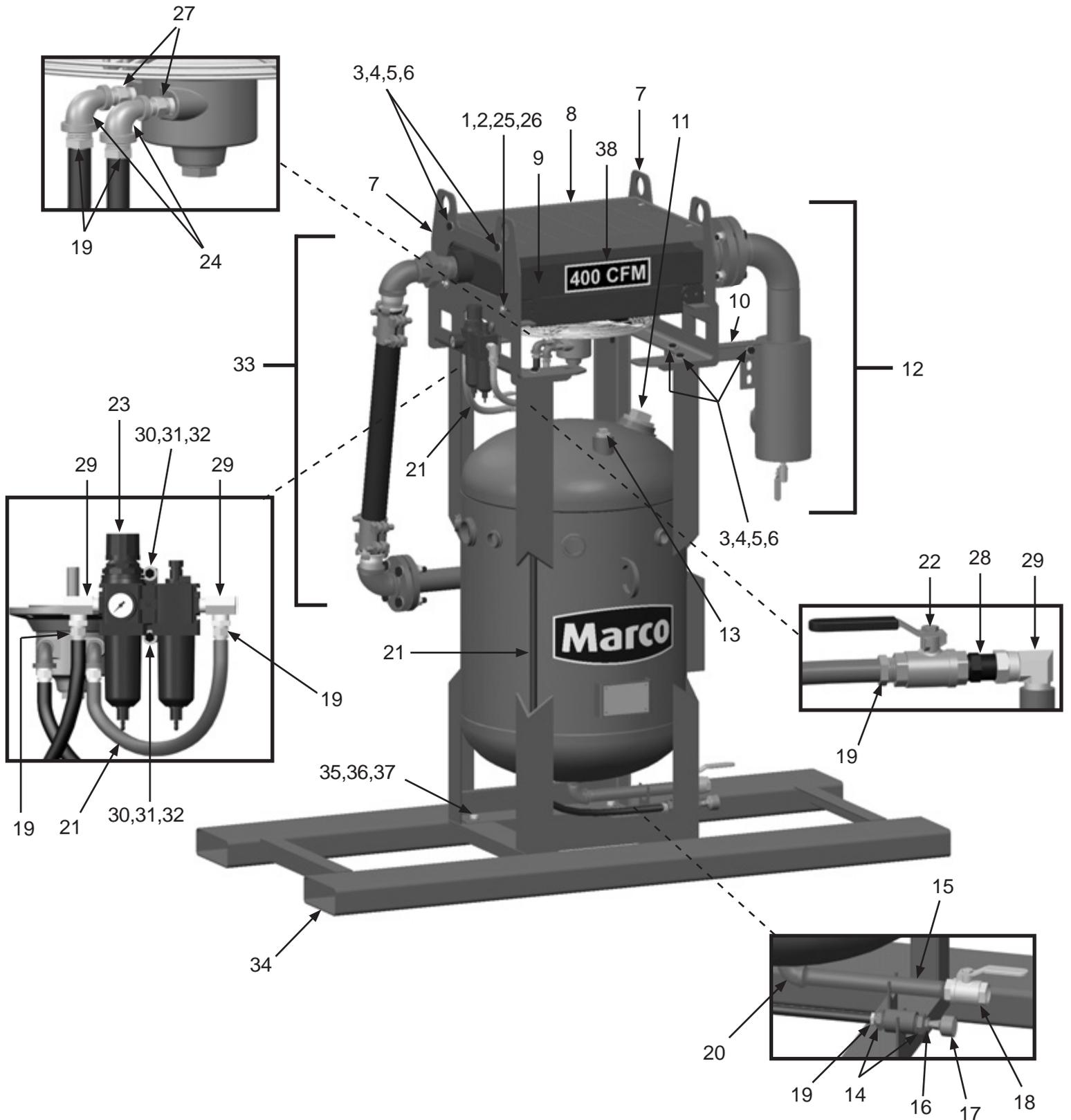
## PART NUMBERS & SCHEMATICS

### Blastmaster® 400 CFM Aftercooler With Coalescing Tank—Pneumatic

Item #	Part #	Description	Item #	Part #	Description
<b>Fig. 1</b>					
—	<b>10101250</b>	<b>Blastmaster® 400 CFM Aftercooler With Coalescing Tank—Pneumatic</b>	26	10101938	3/8"-16 Hex Nut Galvanized ( <i>Four Required</i> )
1	10101059	3/8-16 x 1-1/4" Galvanized Hex Bolt ( <i>Four Required</i> )	27	1017019	1/4" NPT Hex Nipple ( <i>Two Required</i> )
2	10101942	3/8" x 3/4" Washer Galvanized ( <i>Eight Required</i> )	28	20100677	1/2" NPT Hex Nipple
3	10101943	1/2-13 x 1-3/4" Hex Bolt Galvanized ( <i>10 Required</i> )	29	10SAP1290	1/2" 90° Swivel ( <i>Three Required</i> )
4	10100674	1/2" Flat Washer Galvanized ( <i>20 Required</i> )	30	1012154	1/4-20 x 1" Hex Bolt Zinc ( <i>Two Required</i> )
5	10100675	1/2" Split Lock Washer Galvanized ( <i>10 Required</i> )	31	10101939	1/4"-20 SS Lock Nut with Nylon Insert ( <i>Two Required</i> )
6	10101941	1/2" Hex Nut Galvanized ( <i>10 Required</i> )	32	10101940	1/4" Flat Washer Galvanized ( <i>Four Required</i> )
7	10101176	Mounting Bracket ( <i>Two Required</i> )	33	—	Transfer Hose Assembly (See Fig. 5)
8	10101179	Heat Exchanger Protective Grate	34	10101024	Skid Weldment
9	10TTAHP4005	400 CFM Aftercooler - Pneumatic—Complete (See Fig. 3)	35	10104711	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc ( <i>Four Required</i> )
10	10101170	Brace	36	10107496	1/2-13 Grade 8 Lock Nut Zinc ( <i>Four Required</i> )
11	10101034	3" NPT Galvanized Pipe Plug	37	10107495	1/2" Grade 8 Flat Washer Zinc ( <i>Eight Required</i> )
12	—	Inlet Filter Assembly (See Fig. 6)	38	1094535	400 CFM Product Sticker
13	1011902	1-1/4" NPT Galvanized Pipe Plug	—	1070517	Pneumatic Tool Oil — 32 oz.
14	1011812	1" to 1/2" Bushing	—	1091017	Warning Tag
15	10101064	1" x 12" NPT Pipe Nipple	—	106M092	Part Numbers and Schematics Guide – Blastmaster® 400 CFM Aftercooler with Coalescing Tank
16	1011818	1/2" to 1/4" Bushing	—	1090092	Operator's Manual – Blastmaster® 400 CFM Aftercooler With Coalescing Tank
17	10101784	Muffler			
18	1011601	1" NPT Full Port Valve			
19	10PAF050	1/2" Push-on Hose Fitting ( <i>Six Required</i> )			
20	1011801	1" Street Elbow			
21	10AH012	1/2" I.D. Air Hose ( <i>Per Foot</i> )			
22	10L363	1/2" NPT Full Port Ball Valve			
23	10101232	Air Regulator/Lubricator with Pressure Gauge (See Fig. 7)			
24	10101185	1/2" x 1/4" Reducing Elbow ( <i>Two Required</i> )			
25	10L805015	3/8" Lock Washer Galvanized ( <i>Four Required</i> )			

# PART NUMBERS AND SCHEMATICS

Figure 1: Blastmaster® 400 CFM Aftercooler With Coalescing Tank—Pneumatic



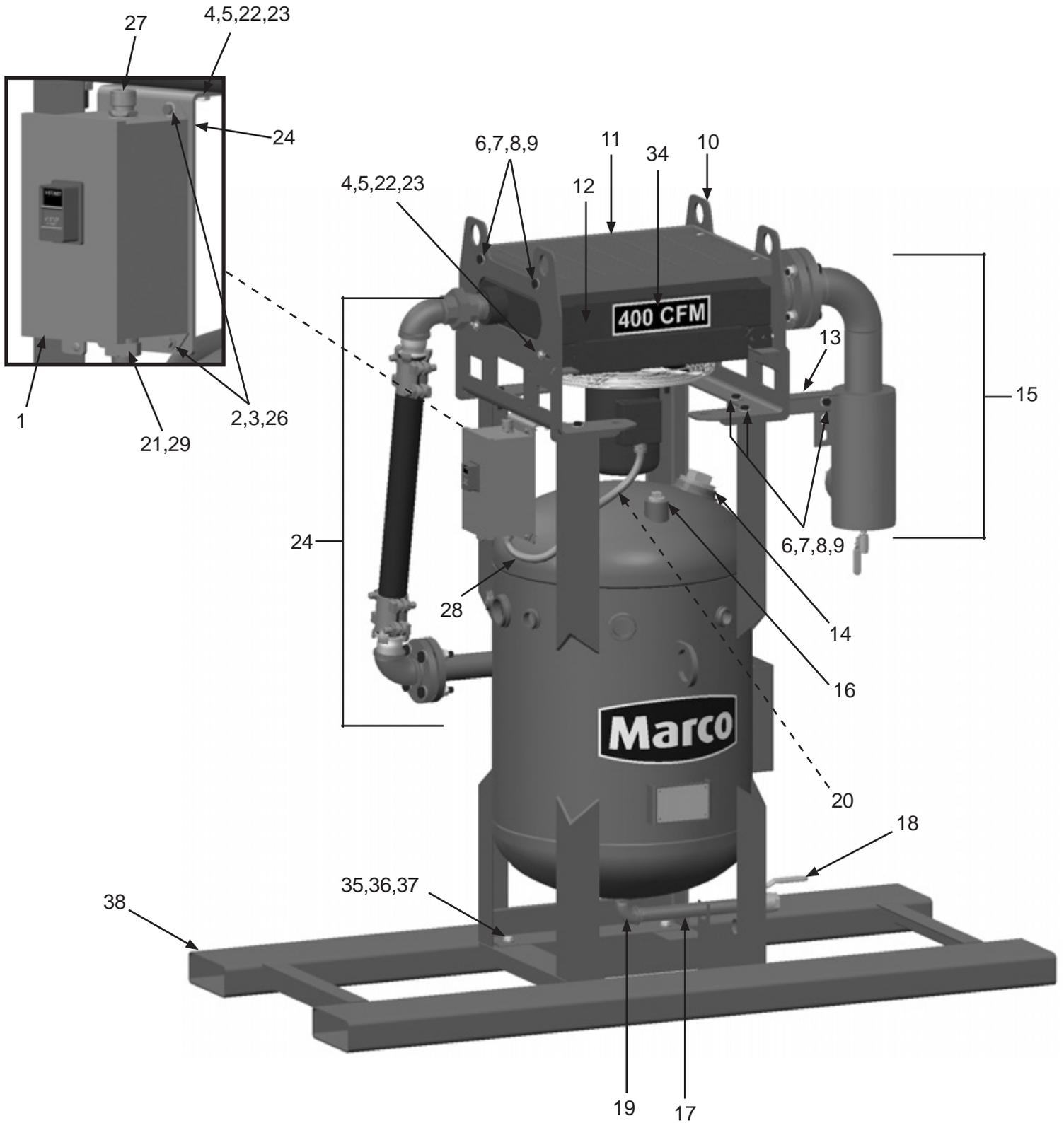
## PART NUMBERS AND SCHEMATICS

### Blastmaster® 400 CFM Aftercooler With Coalescing Tank—Electric

Item #	Part #	Description	Item #	Part #	Description
<b>Fig. 2</b>			24	10108830	Bracket
—	<b>10101251</b>	<b>Blastmaster® 400 CFM Aftercooler With Coalescing Tank – 115 Volt Electric</b>	25	—	Transfer Hose Assembly (See Fig. 5)
—	<b>10108807</b>	<b>Blastmaster® 400 CFM Aftercooler With Coalescing Tank – 230 Volt Electric</b>	26	1012323	1/4-20 Lock Nut Zinc (Four Required)
1	10101760	Motor Starter - Single Phase	27	20101299	3/4" NPT Cord Grip
2	1012154	1/4-20 x 1" Hex Bolt Zinc (Four Required)	28	20RSEL050UL	1/2" UL/UA Seal-Tite Conduit (Per Foot)
3	1014017	1/4" Flat Washer Zinc (Eight Required)	29	10108844	3/4" x 1/2" Reducing Washer (Two Required)
4	10101059	3/8-16 x 1-1/4" Galvanized Bolt (Six Required)	30	10101024	Skid Weldment
5	10101942	3/8" x 3/4" Washer (12 Required)	31	10104711	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc (Four Required)
6	10101943	1/2-13 x 1-3/4" Hex Bolt (10 Required)	32	10107496	1/2-13 Grade 8 Lock Nut Zinc (Four Required)
7	10100674	1/2" Flat Washer (20 Required)	33	10107495	1/2" Grade 8 Flat Washer Zinc (Eight Required)
8	10100675	1/2" Split Lock Washer (10 Required)	34	1094535	400 CFM Product Sticker
9	10101941	1/2-13 Hex Nut (10 Required)	35	10104711	1/2-13 x 1-5/8" Grade 8 Hex Bolt Zinc (Four Required)
10	10101176	Mounting Bracket (Two Required)	36	10107496	1/2-13 Grade 8 Lock Nut Zinc (Four Required)
11	10101271	Heat Exchanger Protective Grate	37	10107495	1/2" Grade 8 Flat Washer Zinc (Eight Required)
12	10TTAHP4002	400 CFM Aftercooler Assembly - Complete (See Fig. 4)	38	10101024	Skid Weldment
13	10101170	Brace	—	10108797	Thermal Unit - Full Load Current 11.5 - 12.8 Amps (For use with 10101251)
14	10101034	3" NPT Galvanized Pipe Plug	—	10108794	Thermal Unit - Full Load Current 5.74 - 6.35 Amps (For use with 10108807)
15	—	Inlet Filter Assembly (See Fig. 6)	—	1091017	Warning Tag
16	1011902	1-1/4" NPT Galvanized Pipe Plug	—	106M092	Part Numbers and Schematics Guide – Blastmaster® 400 CFM Aftercooler with Coalescing Tank
17	10101064	1" x 12" NPT Pipe Nipple	—	1090092	Operator's Manual – Blastmaster® 400 CFM Aftercooler With Coalescing Tank
18	1011601	1" NPT Full Port Valve			
19	1011801	1" Street Elbow			
20	20G100737	1/2" NPT Pipe Plug			
21	20RST50	1/2" Straight Conduit Connector (Two Required)			
22	10L805015	3/8" Lock Washer Galvanized (Six Required)			
23	10101938	3/8-16 Hex Nut Galvanized (Six Required)			

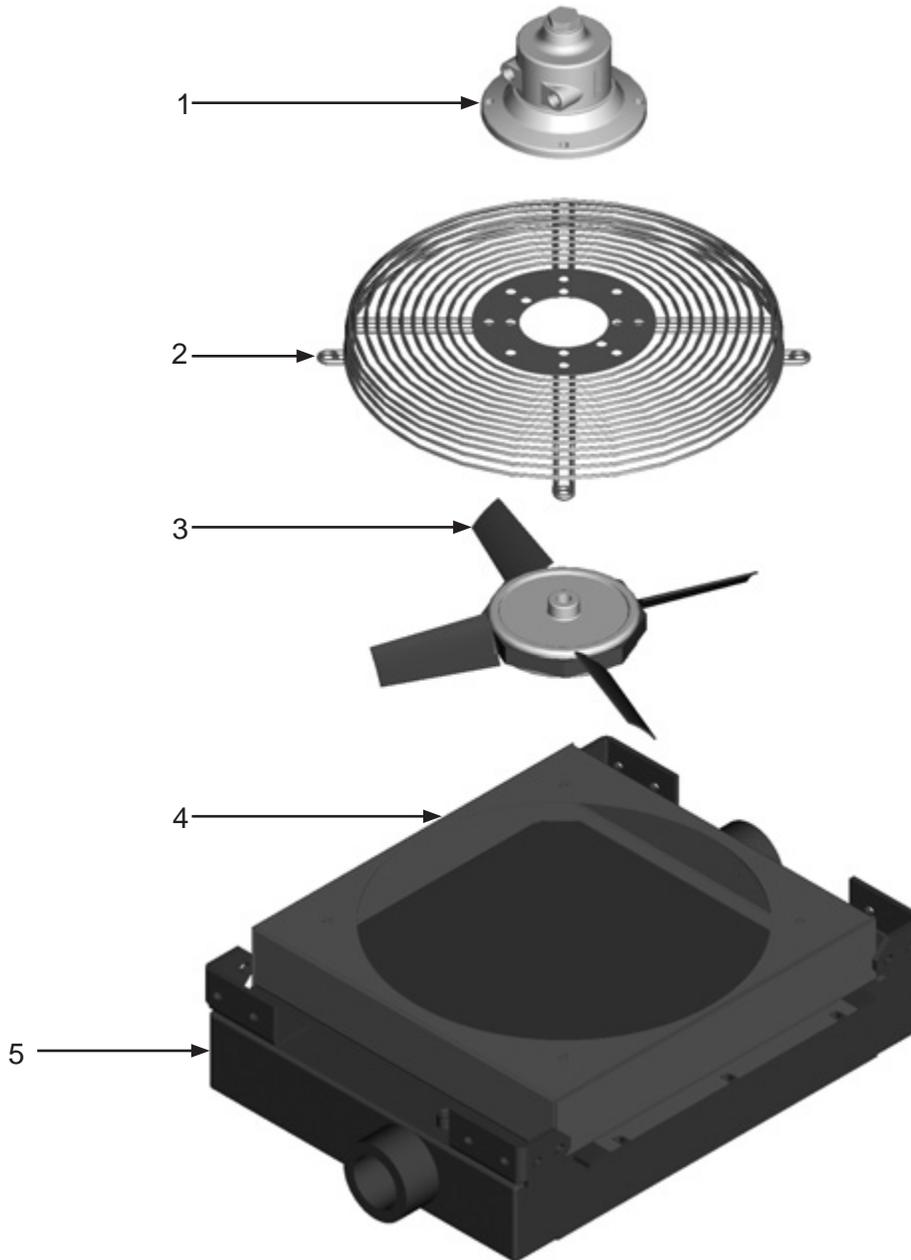
# PART NUMBERS AND SCHEMATICS

Figure 2: Blastmaster® 400 CFM Aftercooler With Coalescing Tank—Electric



## PART NUMBERS AND SCHEMATICS

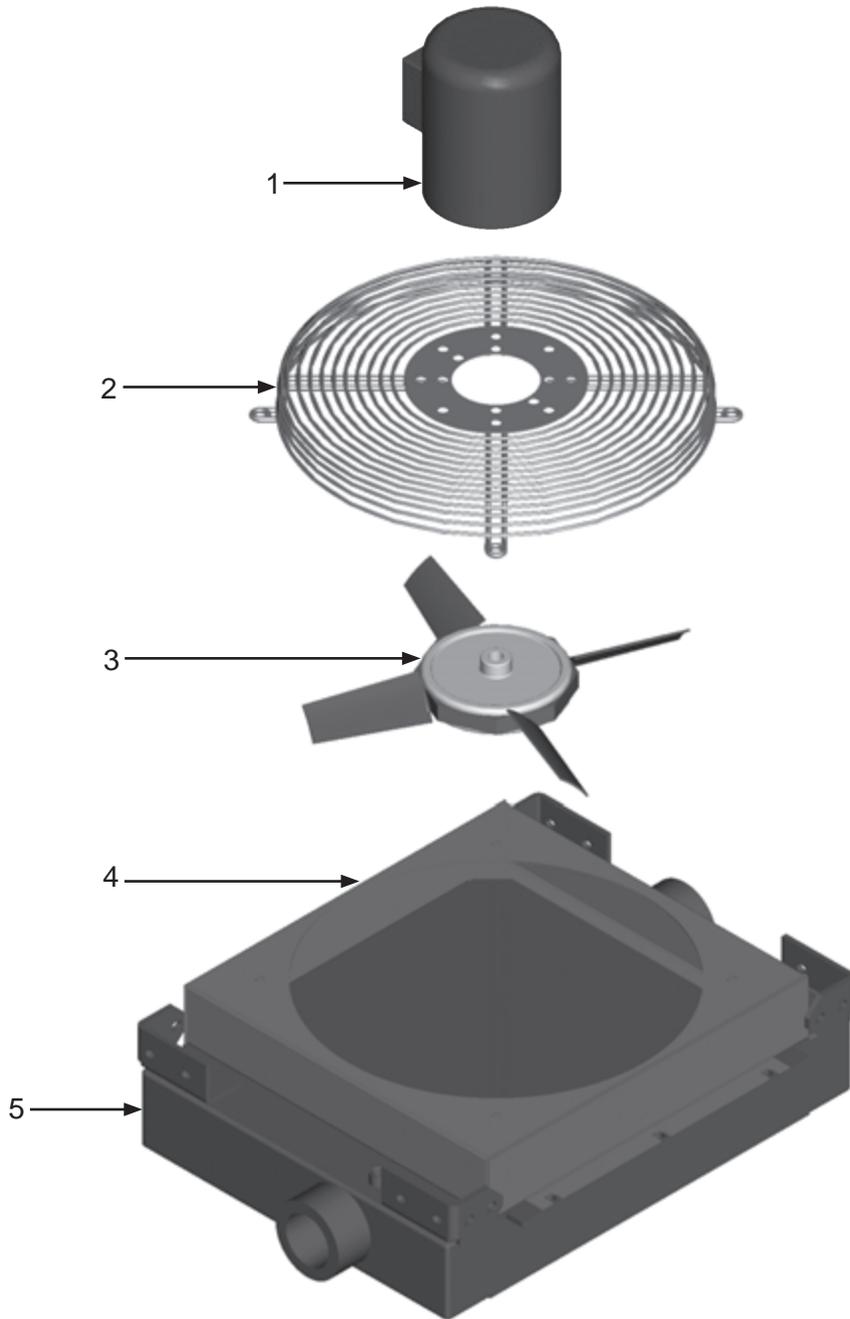
Figure 3: Aftercooler Assembly—Pneumatic



Item #	Part #	Description
<b>Fig. 3</b>		
—	<b>10TTAHP4005</b>	<b>400 CFM Aftercooler—Pneumatic—Complete</b>
1	10101780	Air Motor
2	10101788	Fan Guard
3	10101787	Fan Blade Assembly (Includes four Blades and Hub)
4	10103983	Fan Shroud
5	10101786	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 4: Aftercooler Assembly—Electric



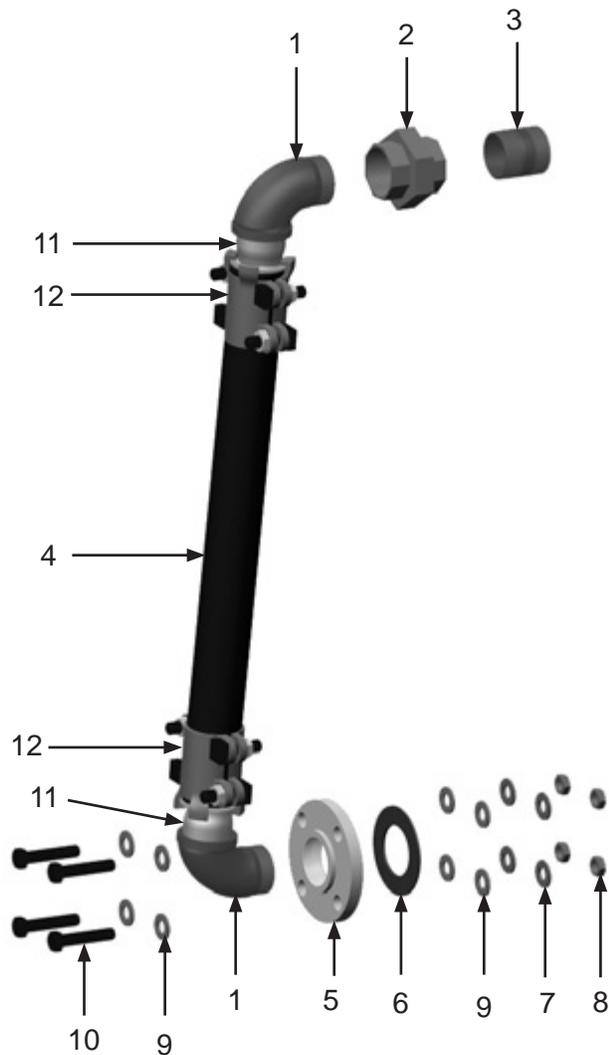
Item #	Part #	Description
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Fig. 4

—	<b>10TTAHP4002</b>	<b>400 CFM Aftercooler—Electric—Complete</b>
1	10101789	Electric Motor – (115 Volt to 208-230 Volt) – Single Phase
2	10101788	Fan Guard
3	10101787	Fan Blade Assembly (Includes four Blades and Hub)
4	10103983	Fan Shroud
5	10101786	Aftercooler Core

## PART NUMBERS AND SCHEMATICS

Figure 5: Transfer Hose Assembly



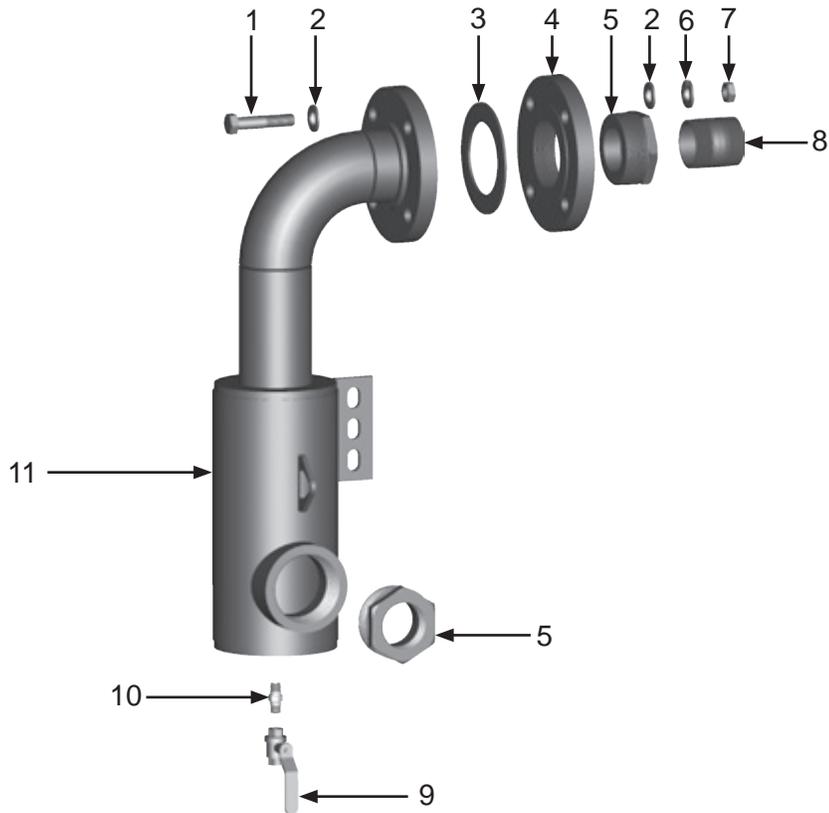
Item #	Part #	Description
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**Fig. 5**

1	10101265	2" NPT 90° Street Elbow <i>(Two Required)</i>
2	10101267	2" Bushing NPT Union
3	1001806	2" NPT Close Nipple
4	10101269	2" X 2-1/2' Steel Reinforced Air Hose <i>(Per Foot)</i>
5	10101270	2" NPT Threaded Flange
6	10101266	2" Flange Gasket
7	10101061	5/8" Split Washer Galvanized <i>(Four Required)</i>
8	10101062	5/8-11 Hex Nut <i>(Four Required)</i>
9	10101060	5/8" Flat Washer <i>(Eight Required)</i>
10	10101058	5/8-11 X 3" Hex Bolt Galvanized <i>(Four Required)</i>
11	10101268	2" NPT Hose End <i>(Two Required)</i>
12	10BU28	2" Boss Clamp <i>(Two Required)</i>

## PART NUMBERS AND SCHEMATICS

Figure 6: Inlet Filter Assembly



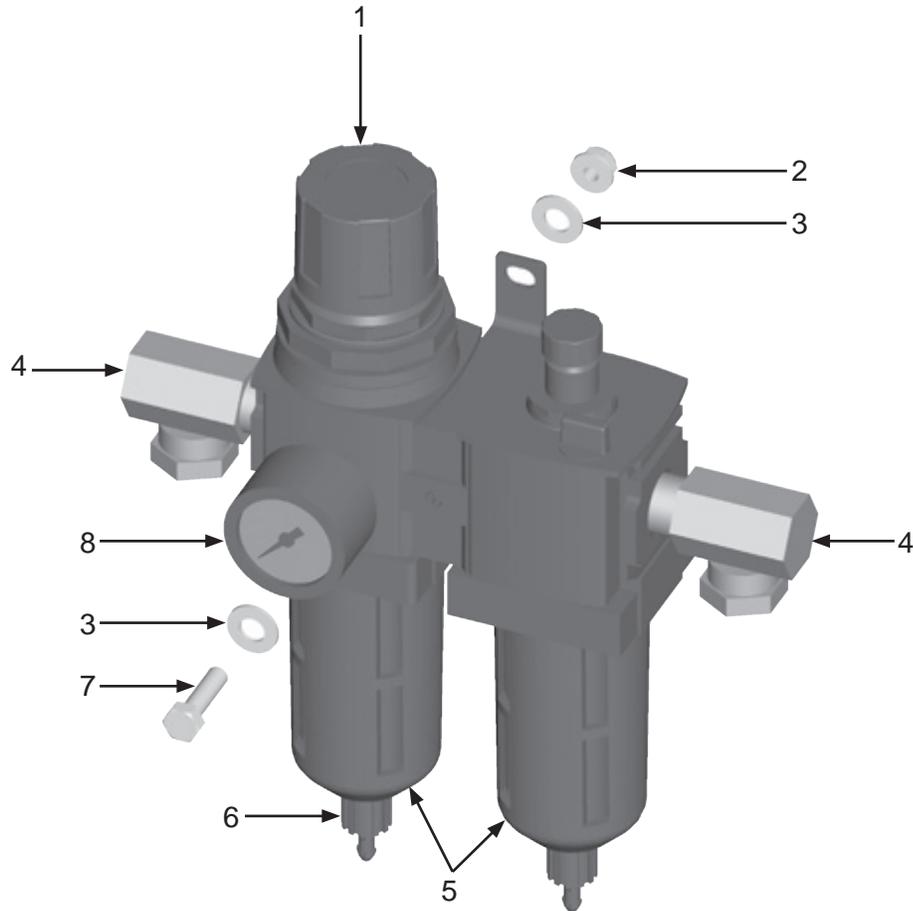
Item #	Part #	Description
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Fig. 6

1	10101058	5/8-11 X 3" Bolt Galvanized (Four Required)
2	10101060	5/8" Flat Washer (Eight Required)
3	10101047	3" Flange Gasket
4	10101041	3" NPT Threaded Flange
5	10101183	3" to 2" Bushing (Two Required)
6	10101061	5/8" Split Washer Galvanized (Four Required)
7	10101062	5/8-11 Hex Nut (Four 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

## PART NUMBERS AND SCHEMATICS

Figure 7: Air Regulator/Lubricator



Item #	Part #	Description
<b>Fig. 7</b>		
1	10101232	Filter/Regulator/Lubricator with Pressure Gauge
2	10101939	1/4" Nylon Insert Lock Nut <i>(Two Required)</i>
3	1014017	1/4" Flat Washer <i>(Four Required)</i>
4	10SAP1290	1/2" 90° Swivel <i>(Two Required)</i>
5	10101235	Polycarbonate Bowl <i>(Two Required)</i>
6	10101234	Manual Drain
7	1012154	1/4-20 X 1" Bolt <i>(Two Required)</i>
8	1028606	Pressure Gauge – 0-160 PSI 1/4" – Back Mount
–	10101233	Filter Element
–	1070517	Pneumatic Tool Oil–32 oz. bottle

## OPTIONAL ACCESSORIES

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

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

## OPTIONAL ACCESSORIES

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

<b>Part Numbers</b>	<b>LUBRICATION</b>
1070517	Pneumatic Air Tool Oil - 32 oz. bottle







## CONTACT CENTER

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