

Specifications

Specifications	AH55593
Length, Overall	24.5" (622.3 mm)
Width, Overall	9.5" (241.3 mm)
Height, Overall	10.92" (277.4 mm)
Flow, MIN. AT 2" H ₂ O (0.5 kPa) Restriction	127 CFM (3.6 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	356 CFM (10.1 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	No
Inlet Transition	Yes
Filter Efficiency	≥ 99.90% per ISO 5011

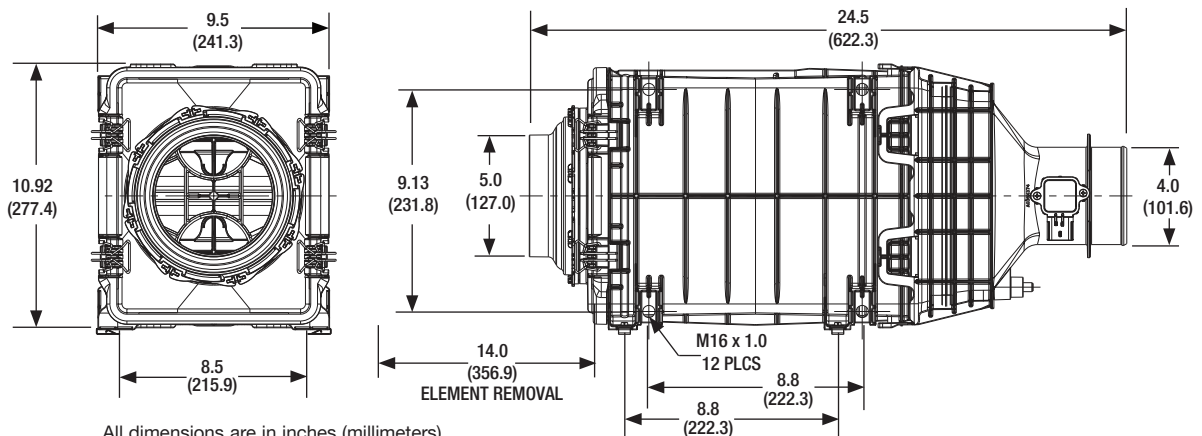
Specifications Subject to change without notice.

Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m ³ /min
Maximum Flow for 10 g/CFM (357.1 g/m ³ /min)	204.8	5.8
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	N/A*	N/A*

* Requires pre-cleaner (optional)

Dimensions



All dimensions are in inches (millimeters)

Ordering Information

Air Cleaners	
Part Number	Description
AH55593	Direct Flow -Front Inlet -with MAF Sensor

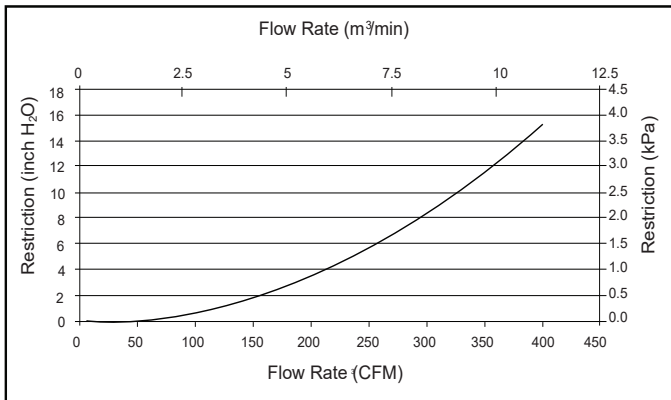
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55312	Secondary Element
SP1042	Front Service Cover
AP15909	Pre-Cleaner
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips

Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316618S	5" to 4" Hump Hose Reducer
3946329S	Restriction Indicator

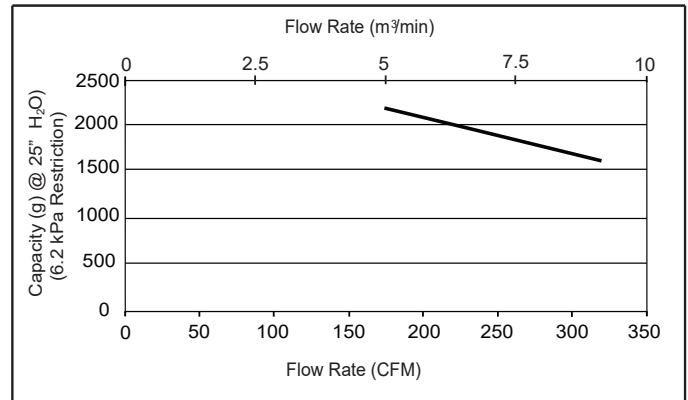
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate

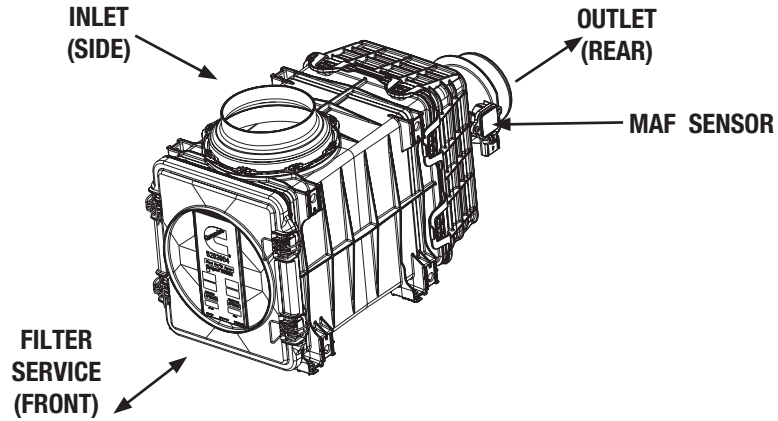


System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H ₂ O (6.2 kPa) of Terminal Restriction
in H ₂ O	kPa	CFM	m³/min	Non Aspirated (g)
4.0	1.0	191	5.40	2097.6
6.0	1.5	240	6.80	1914.7
8.0	2.0	284	8.05	1763.9
10.0	2.5	323	9.14	1641.1
12.0	3.0	356	10.07	1542.7

ISO Fine Dust
1.0 g/m³ Feed Rate
25" H₂O (6.2 kPa)
Terminal Restriction
per ISO 5011



Specifications

Specifications	AH55584
Length, Overall	22.4" (570.8 mm)
Width, Overall	9.50" (241.3 mm)
Height, Overall	12.70" (322.8 mm)
Flow, MIN. AT 2" H ₂ O (0.5 kPa) Restriction	130.8 CFM (3.7 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	330 CFM (9.3 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	No
Filter Efficiency	≥ 99.90% per ISO 5011

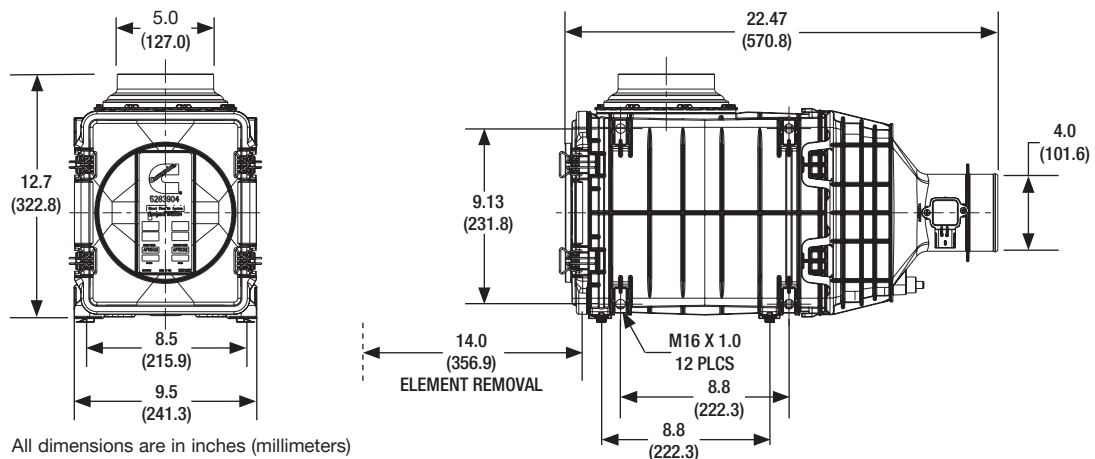
Specifications Subject to change without notice.

Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m ³ /min
Maximum Flow for 10 g/CFM (357.1 g/m ³ /min)	214.6	6.1
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	N/A*	N/A*

* Requires pre-cleaner (optional)

Dimensions



Ordering Information

Air Cleaners	
Part Number	Description
AH55584	Direct Flow -Side Inlet -with MAF Sensor

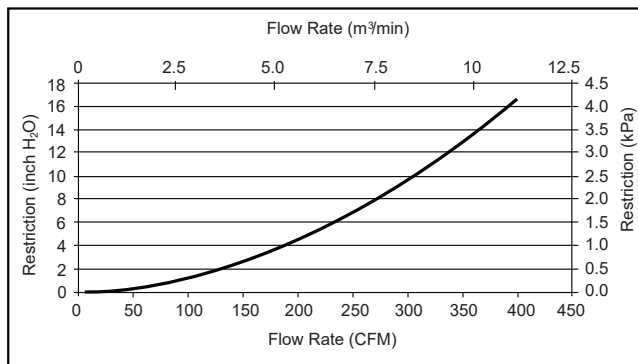
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55312	Secondary Element
SP1041	Front Service Cover
AP15909	Pre-Cleaner
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips

Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316618S	5" to 4" Hump Hose Reducer
3946329S	Restriction Indicator

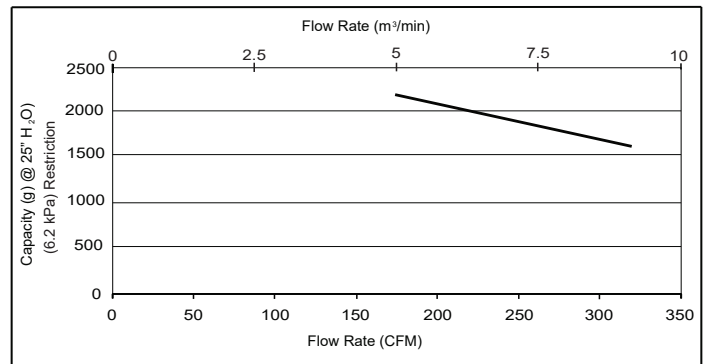
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate

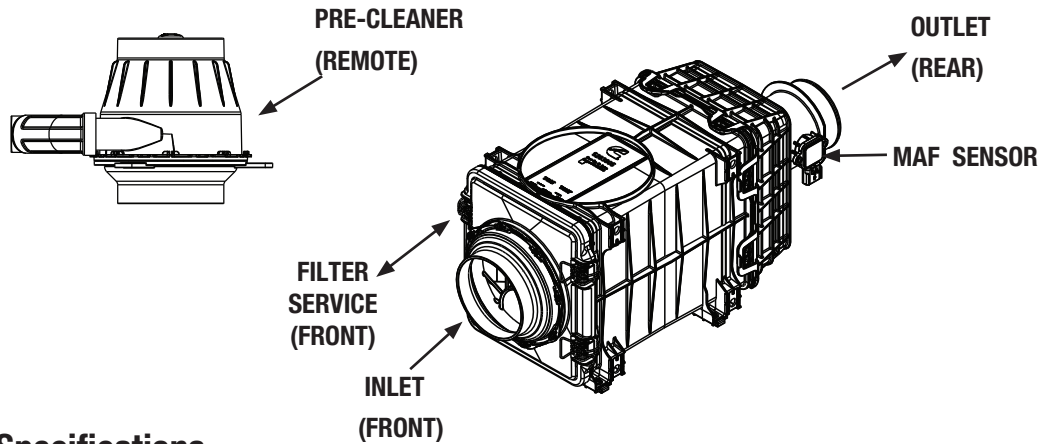


System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H ₂ O (6.2 kPa) of Terminal Restriction
in H ₂ O	kPa	CFM	m³/min	Non Aspirated (g)
4.0	1.0	190	5.37	2258.5
6.0	1.5	238	6.73	2064.8
8.0	2.0	280	7.94	1866.9
10.0	2.5	318	9.01	1673.4
12.0	3.0	350	9.92	1491.9

ISO Fine Dust
1.0 g/m³ Feed Rate
25" H₂O (6.2 kPa)
Terminal Restriction
per ISO 5011



Specifications

Specifications	AK55683
Length, Overall	24.5" (622.3 mm)
Width, Overall	9.5" (241.3 mm)
Height, Overall	10.92" (277.4 mm)
Flow, MIN. AT 2" H ₂ O (0.5 kPa) Restriction	120 CFM (3.4 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	315 CFM (8.9 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	Remote
Filter Efficiency	≥ 99.90% per ISO 5011

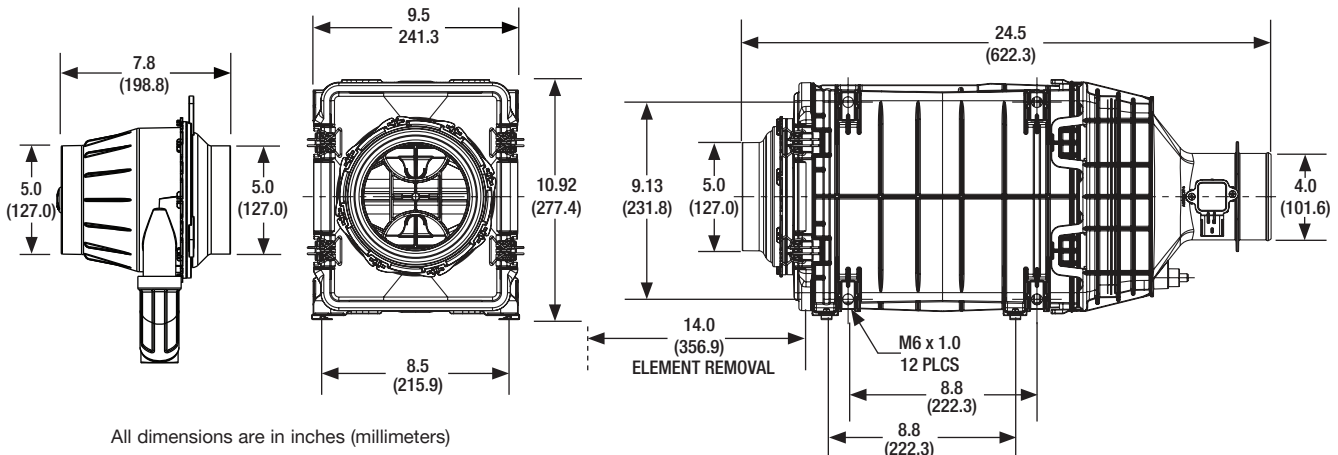
Specifications Subject to change without notice.

Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m ³ /min
Maximum Flow for 10 g/CFM (357.1 g/m ³ /min)	315*	8.9*
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	195.4	5.5

* Indicates maximum recommended flow rate.

Dimensions



All dimensions are in inches (millimeters)

Ordering Information

Air Cleaners	
Part Number	Description
AK55683	Direct Flow -Front Inlet -Remote Pre-Cleaner -With MAF Sensor

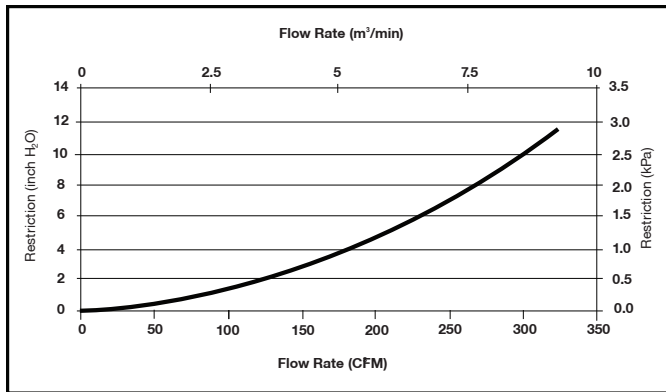
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55312	Secondary Element
SP1042	Front Service Cover
AP15903	Pre-Cleaner
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips

Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316618S	5" to 4" Hump Hose Reducer
3946329S	Restriction Indicator

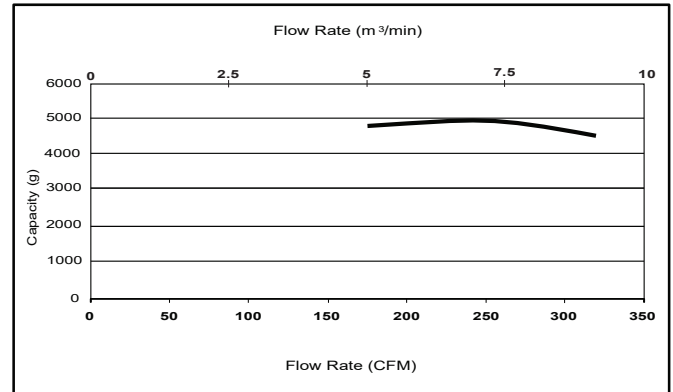
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate

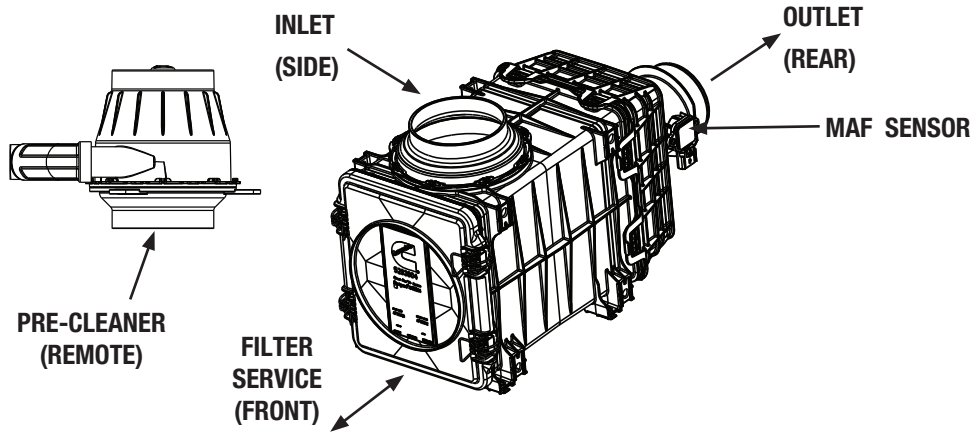


System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H ₂ O (6.2 kPa) of Terminal Restriction Non Aspirated (g)
in H ₂ O	kPa	CFM	m³/min	
4.0	1.0	175	4.96	5060
6.0	1.5	222	6.29	5070
8.0	2.0	255	7.22	5060
10.0	2.5	288	8.16	5040
12.0	3.0	315	8.92	5020

ISO Course Dust
2.0 g/m³ Feed Rate
25" H₂O (6.2 kPa)
Terminal Restriction
per ISO 5011



Specifications

Specifications	AK55684
Length, Overall	22.5" (570.8 mm)
Width, Overall	9.5" (241.3 mm)
Height, Overall	12.7" (322.8 mm)
Flow, MIN. AT 2" H ₂ O (0.5 kPa) Restriction	117.7 CFM (3.3 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	311 CFM (8.8 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	Remote
Filter Efficiency	≥ 99.90% per ISO 5011

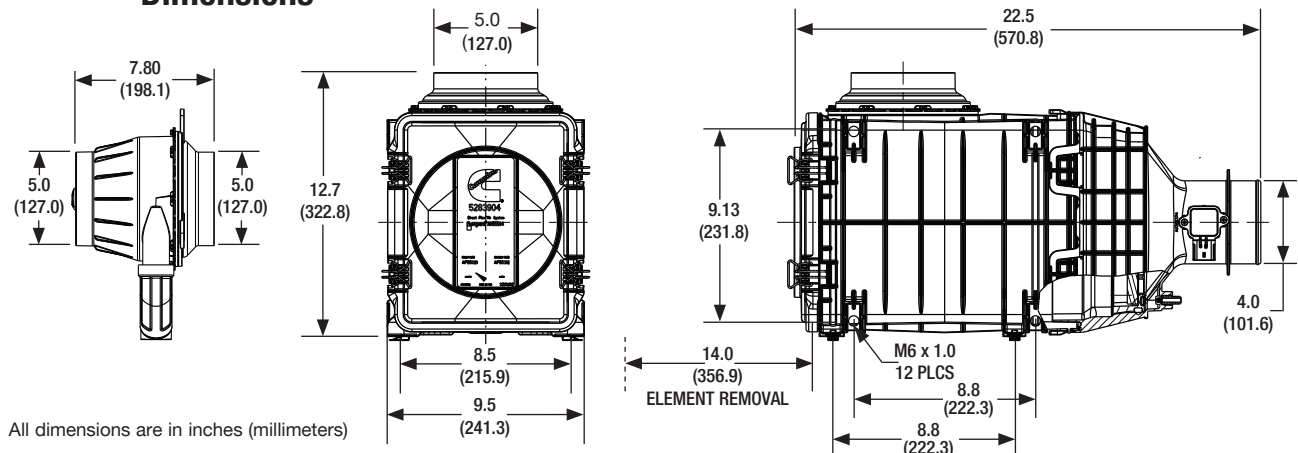
Specifications Subject to change without notice.

Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m ³ /min
Maximum Flow for 10 g/CFM (357.1 g/m ³ /min)	311*	8.8*
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	212.5	6.0

* Indicates maximum recommended flow rate.

Dimensions



All dimensions are in inches (millimeters)

Ordering Information

Air Cleaners	
Part Number	Description
AK55684	Direct Flow -Side Inlet -Remote Pre-Cleaner -With MAF Sensor

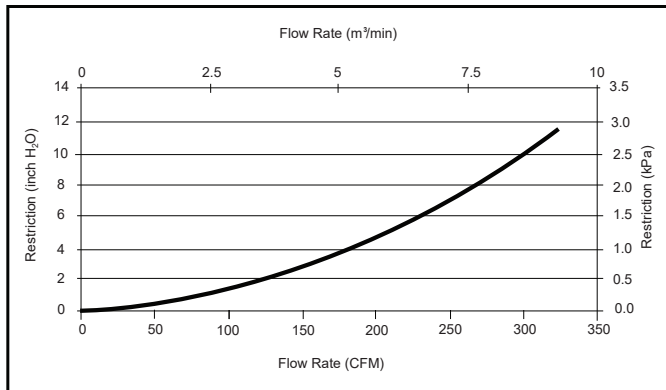
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55312	Secondary Element
SP1041	Front Service Cover
AP15903	Pre-Cleaner
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips

Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316618S	5" to 4" Hump Hose Reducer
3946329S	Restriction Indicator

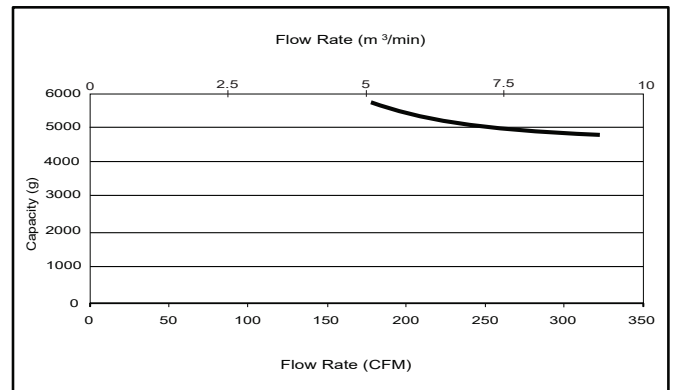
Additional sizes/shapes may be available. Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate

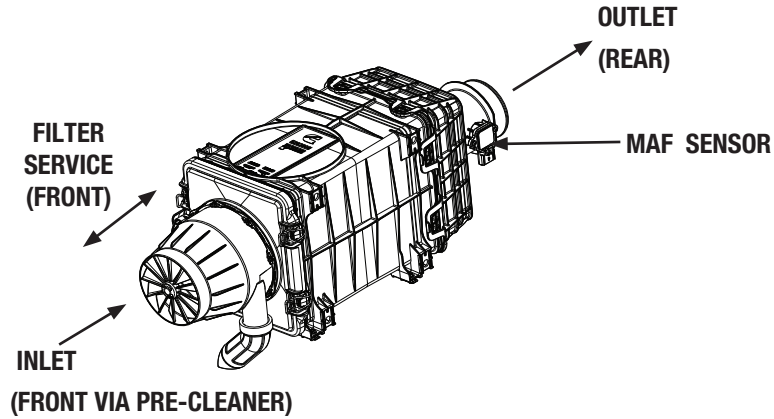


System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H ₂ O (6.2 kPa) of Terminal Restriction
in H ₂ O	kPa	CFM	m³/min	Non Aspirated (g)
4.0	1.0	170	4.81	5720
6.0	1.5	213	6.03	5310
8.0	2.0	252	7.14	5040
10.0	2.5	282	7.99	4890
12.0	3.0	311	8.81	4810

ISO Coarse Dust
2.0 g/m³ Feed Rate
25" H₂O (6.2 kPa)
Terminal Restriction
per ISO 5011



Specifications

Specifications	AH55587
Length, Overall	28.4" (722.3 mm)
Width, Overall	9.5" (241.3 mm)
Height, Overall	10.9" (277.4 mm)
Flow, MIN. AT 2" H ₂ O (0.5 kPa) Restriction	120 CFM (3.4 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	315 CFM (8.9 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	Integrated
Filter Efficiency	≥ 99.90% per ISO 5011

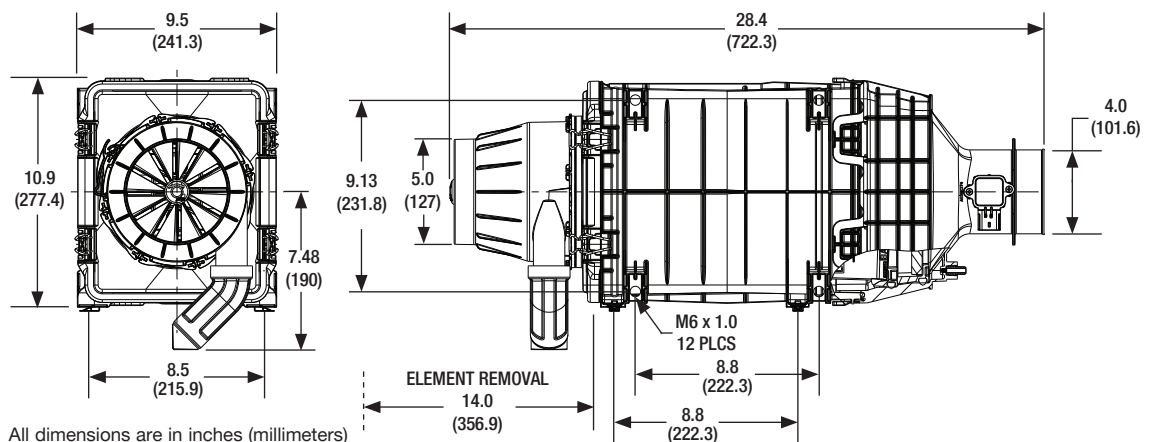
Specifications Subject to change without notice.

Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m ³ /min
Maximum Flow for 10 g/CFM (357.1 g/m ³ /min)	315*	8.9*
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	195.4	5.5

* Indicates maximum recommended flow rate.

Dimensions



All dimensions are in inches (millimeters)

Ordering Information

Air Cleaners	
Part Number	Description
AH55587	Direct Flow -Front Inlet -Integrated Pre-Cleaner -With MAF Sensor

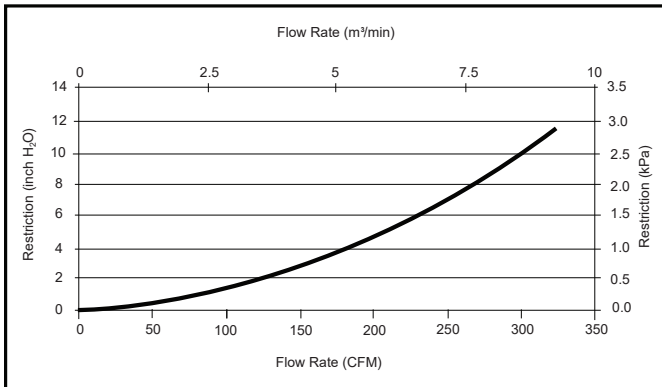
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55312	Secondary Element
SP1042	Front Service Cover
AP15909	Pre-Cleaner
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips

Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316618S	5" to 4" Hump Hose Reducer
3946329S	Restriction Indicator

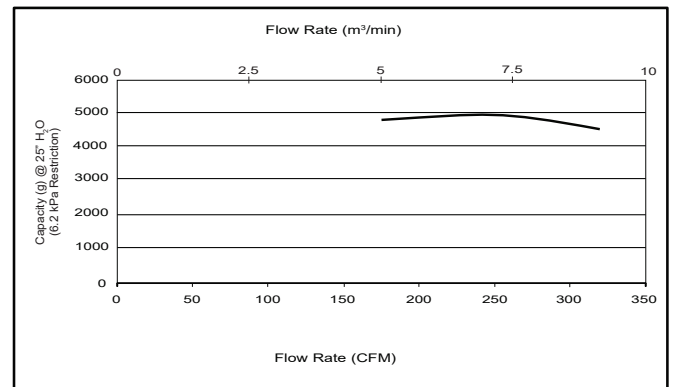
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate

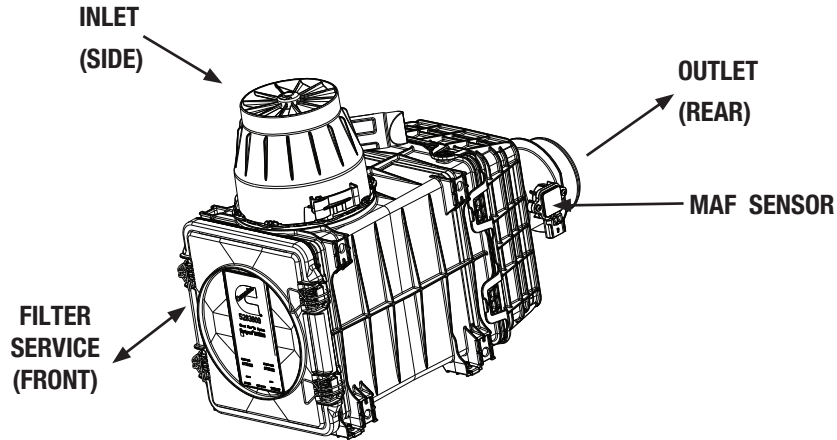


System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H ₂ O (6.2 kPa) of Terminal Restriction
in H ₂ O	kPa	CFM	m ³ /min	Non Aspirated (g)
4.0	1.0	175	4.96	5060
6.0	1.5	222	6.29	5070
8.0	2.0	255	7.22	5060
10.0	2.5	288	8.16	5040
12.0	3.0	315	8.92	5020

ISO Coarse Dust
2.0 g/m³ Feed Rate
25" H₂O (6.2 kPa)
Terminal Restriction
per ISO 5011



Specifications

Specifications	AH55588
Length, Overall	22.5" (570.8 mm)
Width, Overall	9.50" (241.3 mm)
Height, Overall	16.6" (422.5 mm)
Flow, MIN. AT 2" H ₂ O (0.5 kPa) Restriction	117.68 CFM (3.3 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	311 CFM (8.8 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	Integrated
Filter Efficiency	≥ 99.90% per ISO 5011

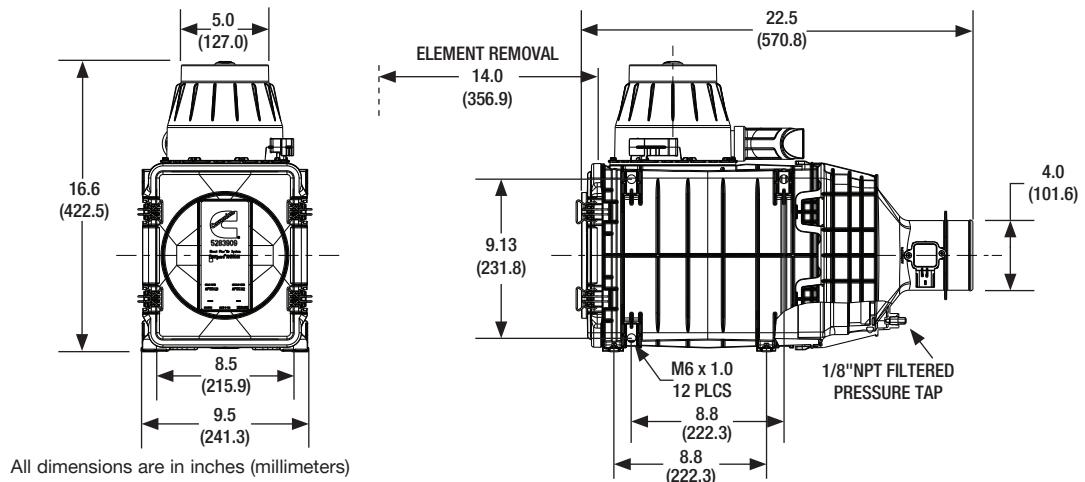
Specifications Subject to change without notice.

Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m ³ /min
Maximum Flow for 10 g/CFM (357.1 g/m ³ /min)	311*	8.8*
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	212.5	6.0

* Indicates maximum recommended flow rate.

Dimensions



Ordering Information

Air Cleaners	
Part Number	Description
AH55588	Direct Flow -Side Inlet -Integrated Pre-Cleaner -With MAF Sensor

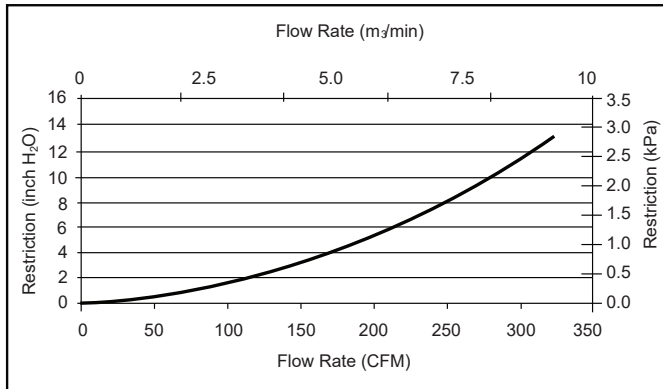
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55312	Secondary Element
SP1041	Front Service Cover
AP15909	Pre-Cleaner
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips

Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316618S	5" to 4" Hump Hose Reducer
3946329S	Restriction Indicator

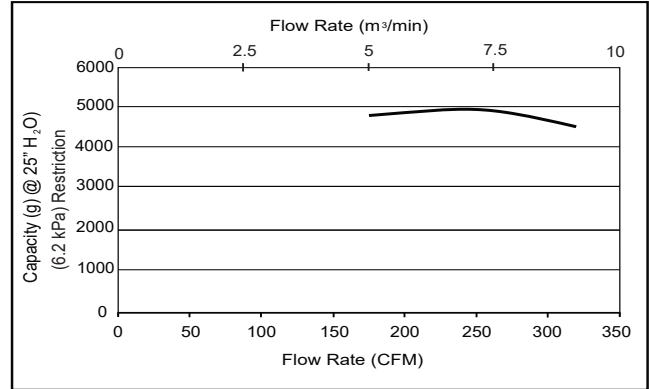
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate



System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H ₂ O (6.2 kPa) of Terminal Restriction Non Aspirated (g)
in H ₂ O	kPa	CFM	m³/min	
4.0	1.0	170	4.81	5730
6.0	1.5	213	6.03	5600
8.0	2.0	252	7.14	5500
10.0	2.5	282	7.99	5440
12.0	3.0	311	8.81	5380

ISO Coarse Dust
2.0 g/m³ Feed Rate
25" H₂O (6.2 kPa)
Terminal Restriction
per ISO 5011