

Specifications

Specifications	AH55643
Length, Overall	24.5" (622.8 mm)
Width, Overall	10.9" (277.4 mm)
Height, Overall	9.5" (241.3 mm)
Flow, MIN. AT 2" H ₂ O (0.5 kPa) Restriction	180 CFM (5.0 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	480 CFM (13.6 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	No
Inlet	Straight 5.0 (127 mm)
Outlet	Straight 4.0" (101.6 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

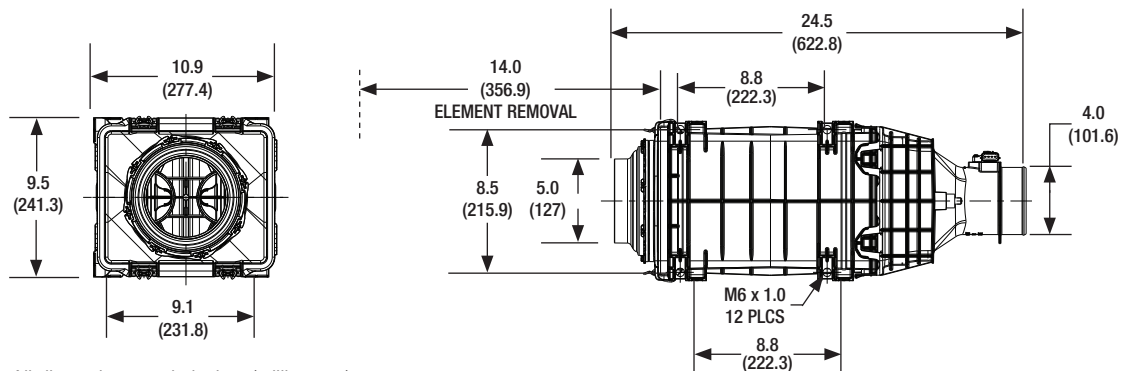
Specifications Subject to change without notice.

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)	212	6.0
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
AH55643	Direct Flow -Front Inlet -With TBAP Sensor

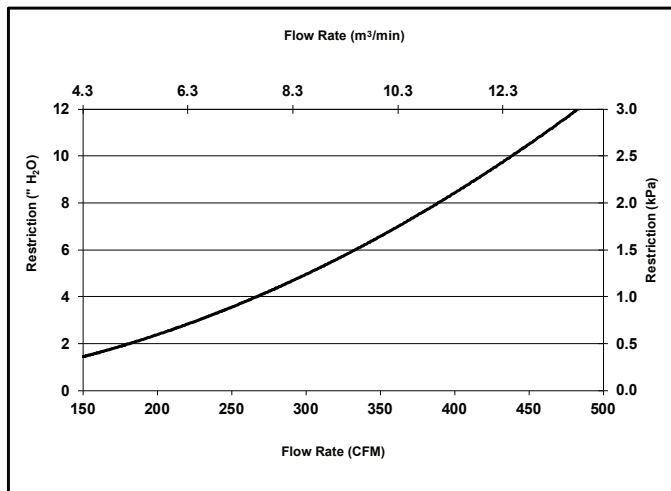
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55320	Secondary Element
SP1042	Front Service Cover
SP1060	M6 Mounting clips

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

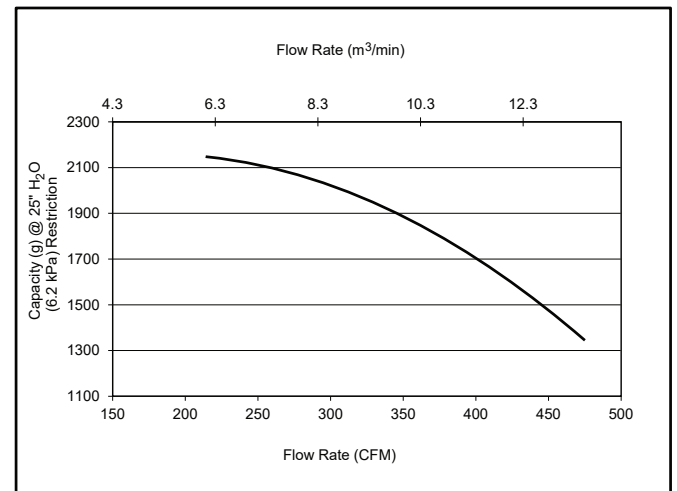
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate

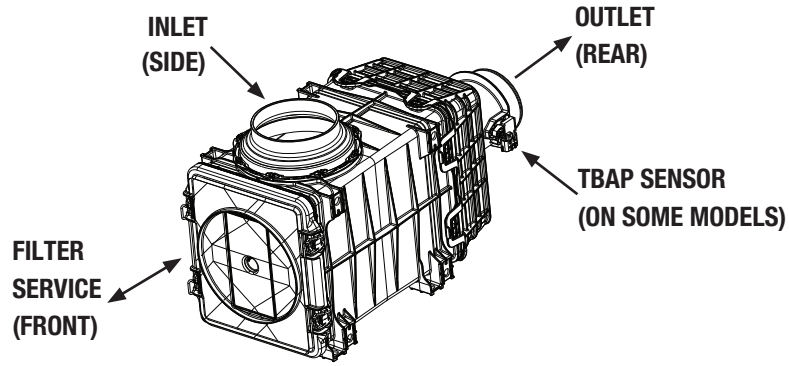


System Capacity vs Flow Rate



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	268	7.6	2080
6.0	1.5	332	9.4	1940
8.0	2.0	390	11.0	1750
10.0	2.5	440	12.5	1525
12.0	3.0	482	13.6	1325

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



Specifications

Specifications	AH55644
Length, Overall	22.4" (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	180 CFM (5.1 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	480 CFM (13.6 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	No
Inlet	90° to Outlet 5" (127 mm)
Outlet	Straight 4.0" (101.6 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

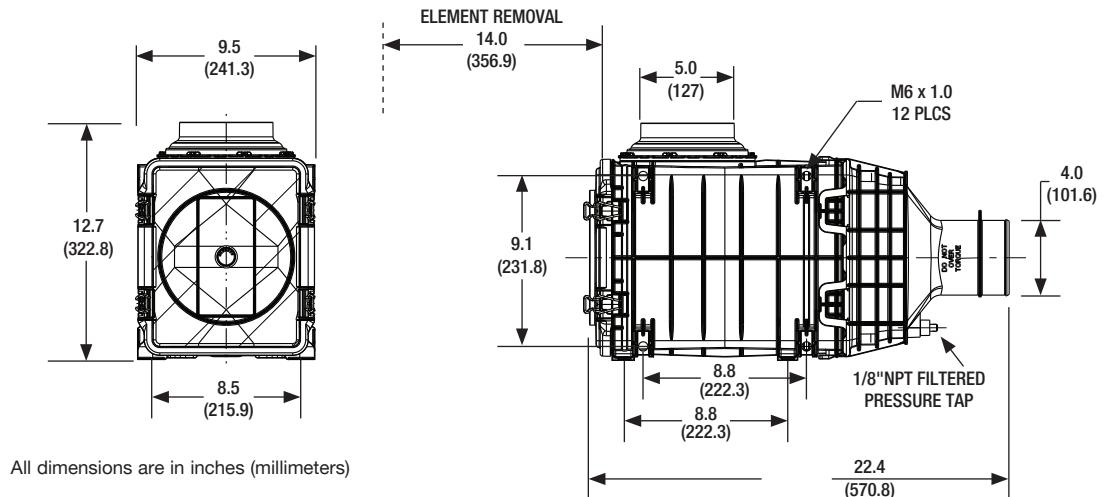
Specifications Subject to change without notice.

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)	230	6.5
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
AH55644	Direct Flow -Side Inlet -With TBAP Sensor

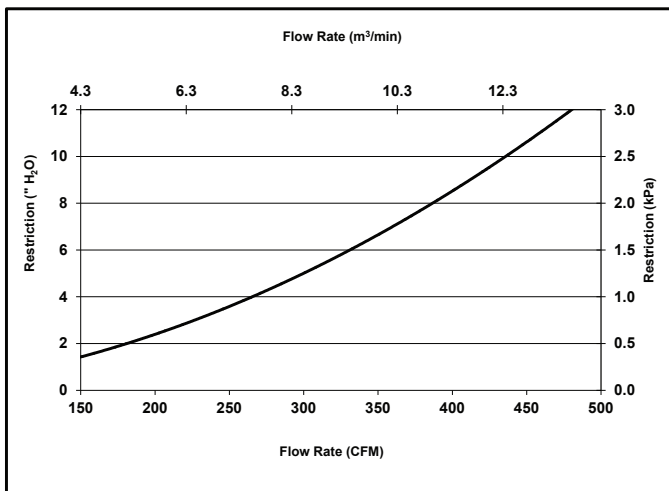
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55320	Secondary Element
SP1041	Front Service Cover
SP1060	M6 Mounting clips

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

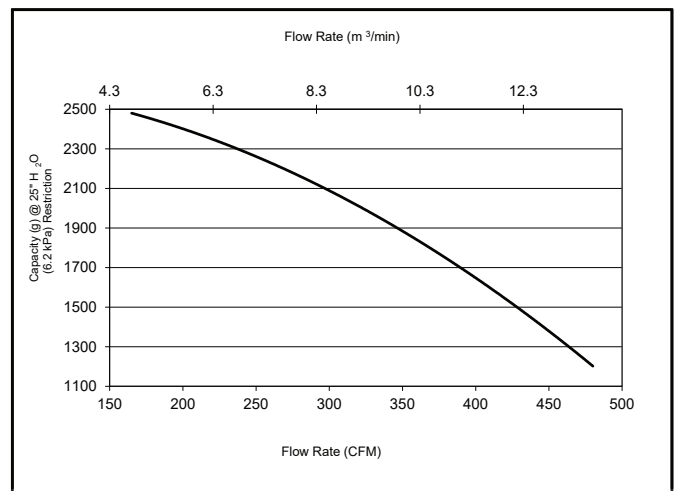
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate

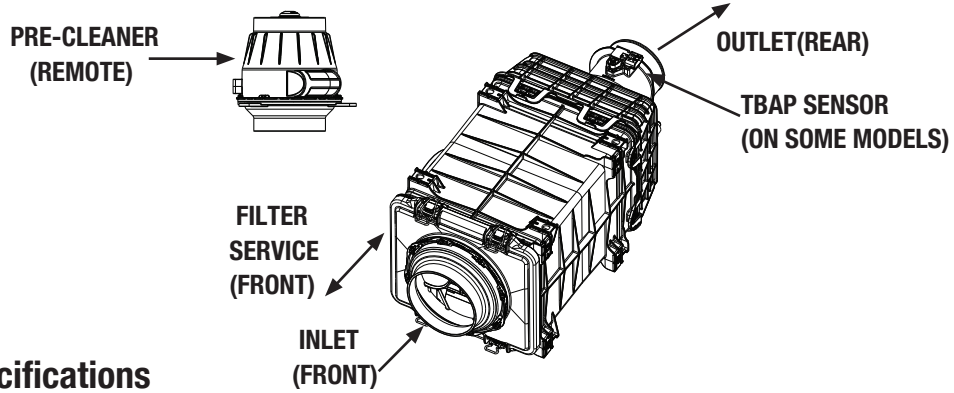


System Capacity vs Flow Rate



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	265	7.5	2225
6.0	1.5	330	9.3	1975
8.0	2.0	388	11.0	1700
10.0	2.5	435	12.3	1450
12.0	3.0	480	13.6	1200

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



Specifications

Specifications	AK55696
Length, Overall	24.5" (622.8 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	155 CFM (4.4 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	378 CFM (10.7 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	Remote
Inlet	Straight 5" (127 mm)
Outlet	Straight 4" (101.6 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

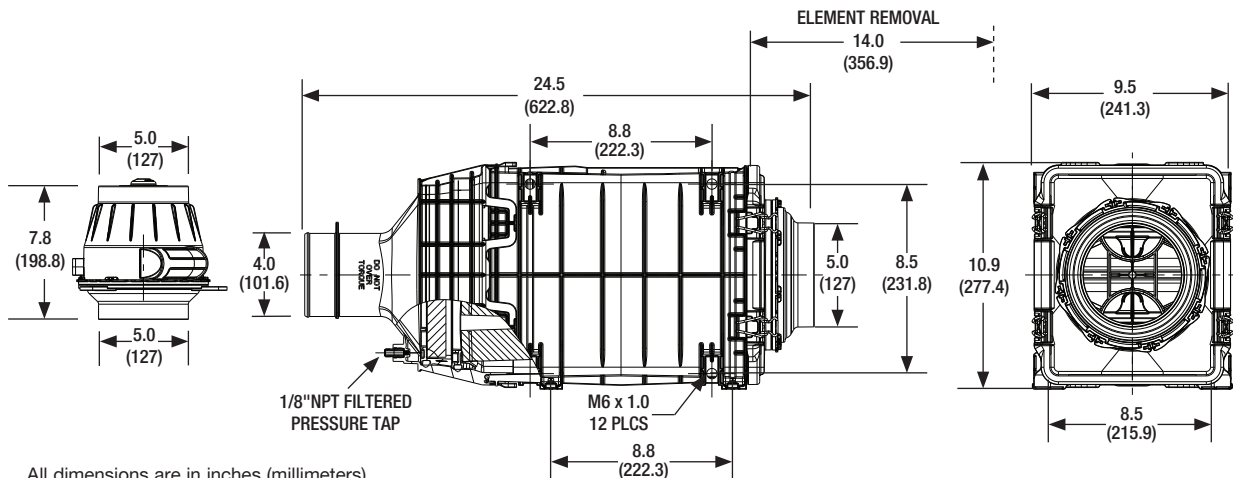
Specifications Subject to change without notice.

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)	378*	10.7*
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	292	8.2

* Indicates maximum recommended flow rate.

Dimensions



All dimensions are in inches (millimeters)

Ordering Information

Air Cleaners	
Part Number	Description
AK55696	Direct Flow -Front Inlet -Remote Pre-Cleaner -With TBAP Sensor

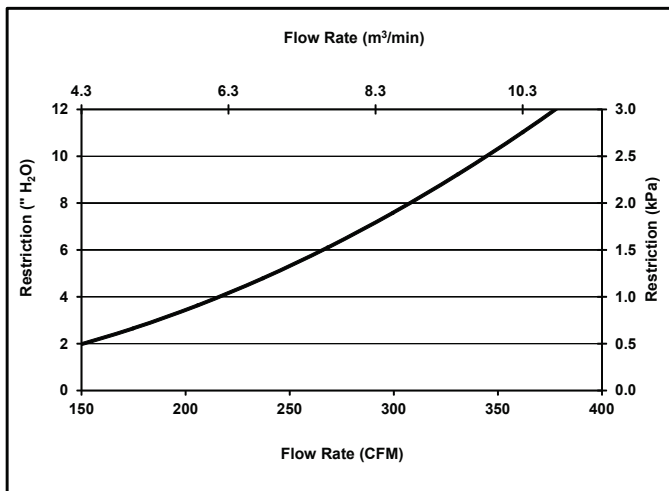
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55320	Secondary Element
AP15914	Pre-Cleaner
AP15912	Pre-Cleaner remote adapter
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips
SP1042	Front Service Cover

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

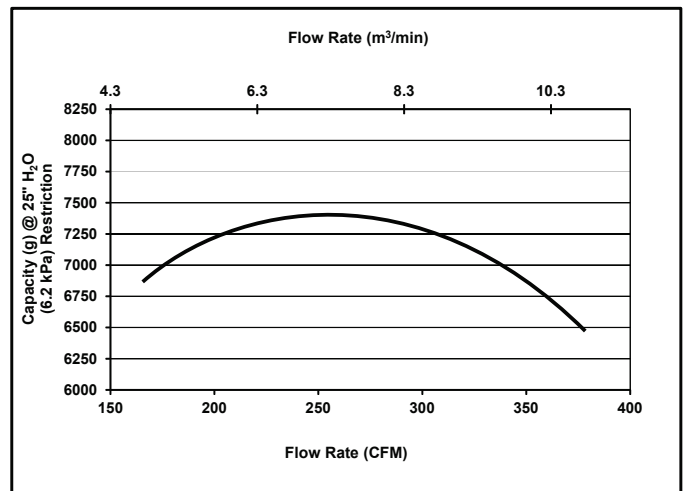
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate

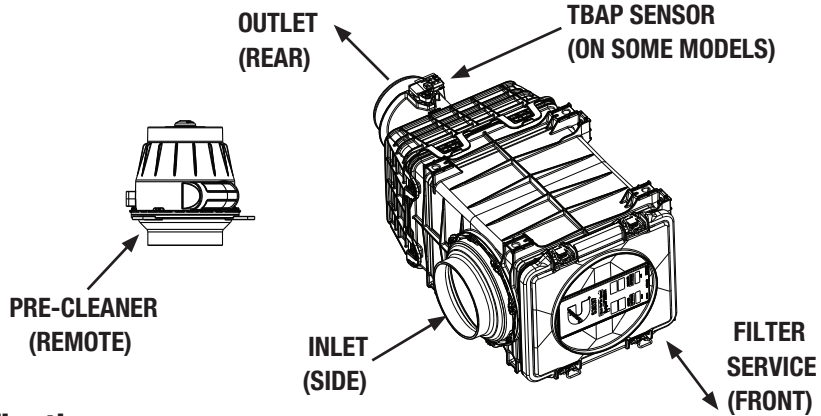


System Capacity vs Flow Rate



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	215	6.1	7300
6.0	1.5	265	7.5	7400
8.0	2.0	308	8.7	7250
10.0	2.5	345	9.8	6900
12.0	3.0	378	10.7	6500

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



Specifications

Specifications	AK55697
Length, Overall	22.4" (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	155 CFM (4.4 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	378 CFM (10.7 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	Remote
Inlet	90° to Outlet 5" (127 mm)
Outlet	Straight 4" (101.6 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

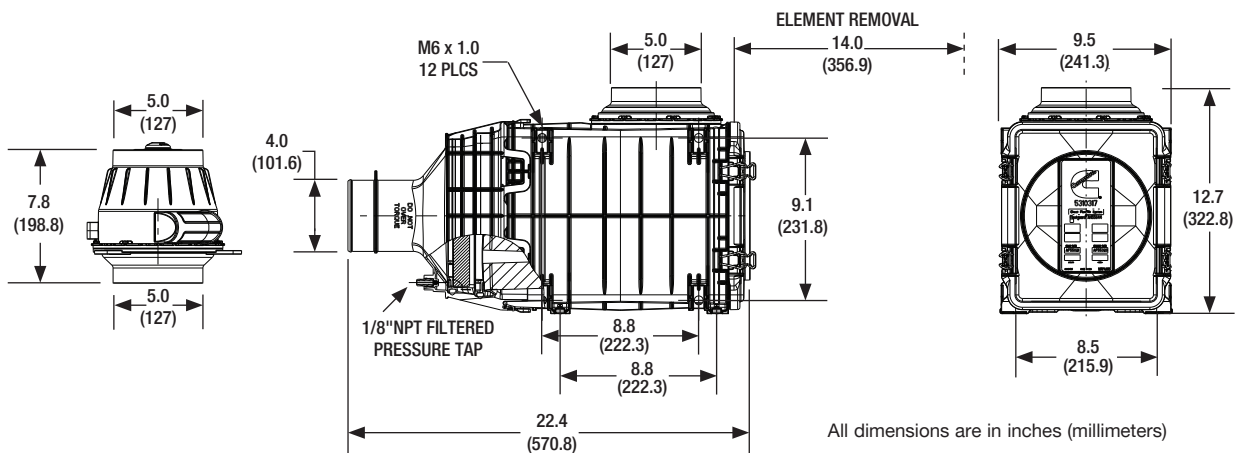
Specifications Subject to change without notice.

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)	378*	10.7*
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	292	8.2

* Indicates maximum recommended flow rate.

Dimensions



All dimensions are in inches (millimeters)

Ordering Information

Air Cleaners	
Part Number	Description
AK55697	Direct Flow -Side Inlet -Remote Pre-Cleaner -With TBAP Sensor

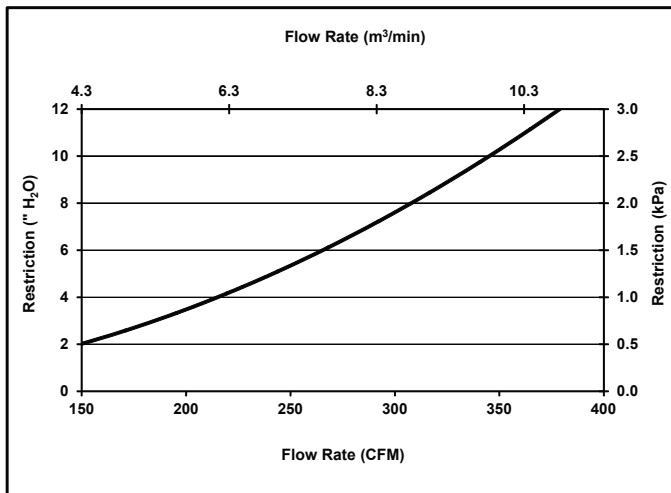
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55320	Secondary Element
AP15914	Pre-Cleaner
AP15912	Pre-Cleaner Remote Adapter
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips
SP1041	Front Service Cover

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

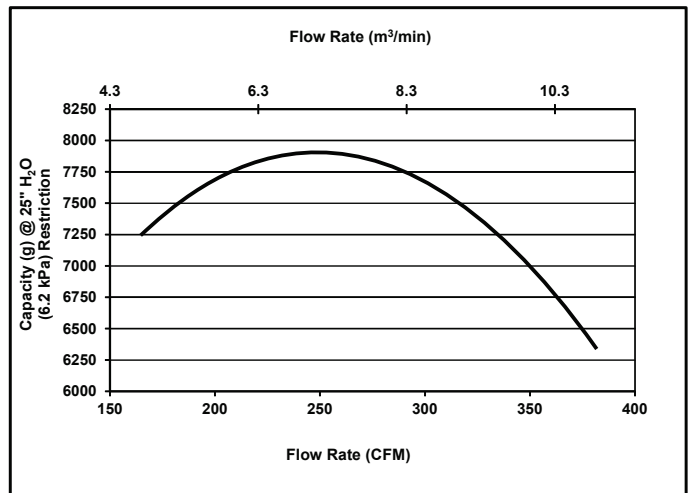
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate



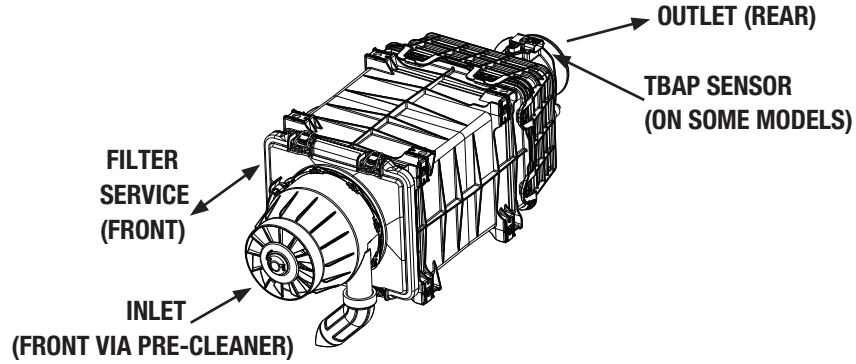
System Capacity vs Flow Rate



*Data reflects the pre-cleaner as integrated.

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	215	6.1	7800
6.0	1.5	265	7.5	7900
8.0	2.0	308	8.7	7600
10.0	2.5	345	9.8	7100
12.0	3.0	378	10.7	6400

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



Specifications

Specifications	AK55698
Length, Overall	28.2" (717.3 mm)
Width, Overall	10.9" (277.4 mm)
Height, Overall	9.5" (241.3 mm)
Flow, MIN. AT 2" H ₂ O (0.5 kPa) Restriction	155 CFM (4.4 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	378 CFM (10.7 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	Integrated
Inlet	Straight - via pre-cleaner, 5" (127 mm)
Outlet	Straight 4.0" (101.6 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

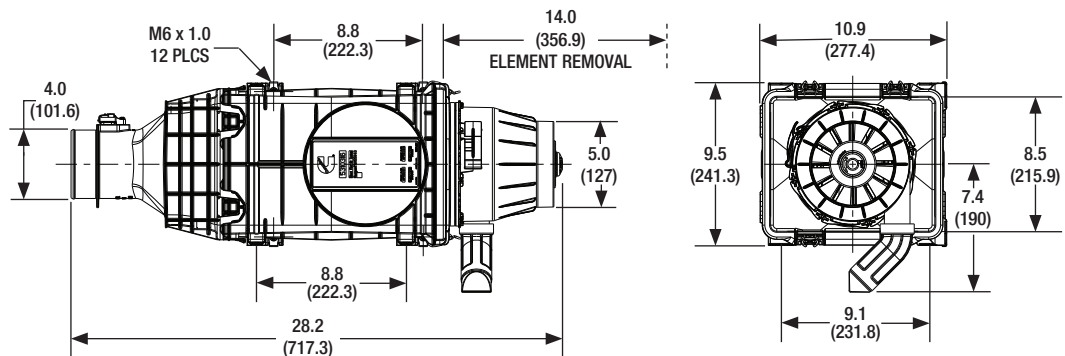
Specifications Subject to change without notice.

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)	378*	10.7*
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	292	8.2

* Indicates maximum recommended flow rate.

Dimensions



All dimensions are in inches (millimeters)

Ordering Information

Air Cleaners	
Part Number	Description
AK55698	Direct Flow -Front Inlet -Integrated Pre-Cleaner -With TBAP Sensor

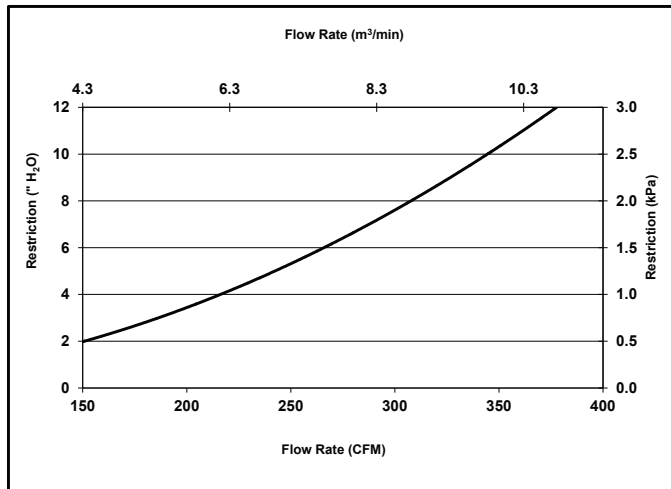
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55320	Secondary Element
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips
SP1042	Front Service Cover
AP15914	Pre-Cleaner

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

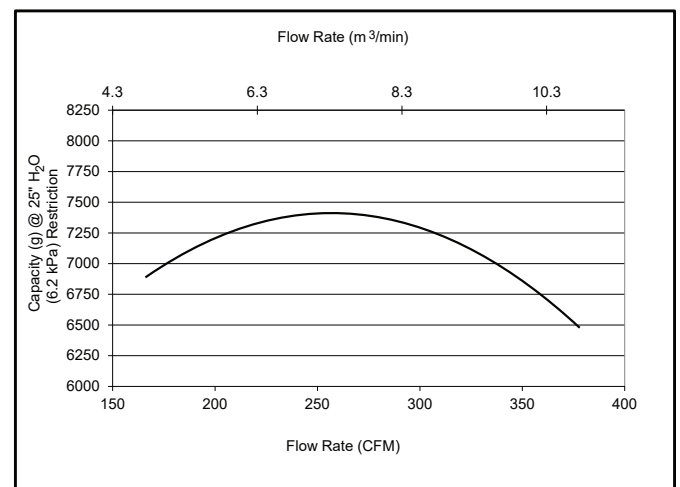
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

Performance

System Restriction vs Flow Rate

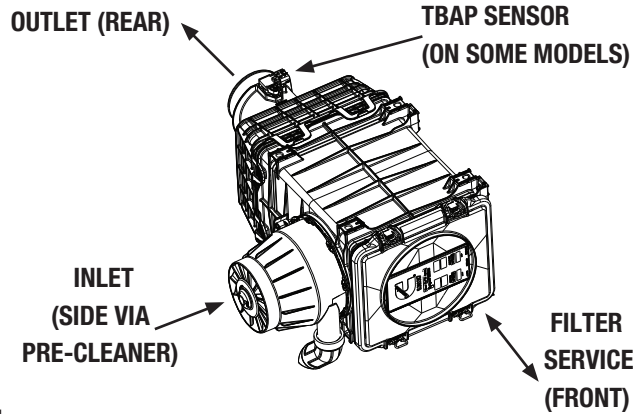


System Capacity vs Flow Rate



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	215	6.1	7300
6.0	1.5	265	7.5	7400
8.0	2.0	308	8.7	7250
10.0	2.5	345	9.8	6900
12.0	3.0	378	10.7	6500

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



Specifications

Specifications	AK55699
Length, Overall	22.5" (570.8 mm)
Width, Overall	16.9" (429.7 mm)
Height, Overall	9.5" (241.3 mm)
Flow, MIN. AT 2" H ₂ O (0.5 kPa) Restriction	155 CFM (4.4 m ³ /min)
Flow, MAX. AT 12" H ₂ O (3.0 kPa) Restriction	378 CFM (10.7 m ³ /min)
Secondary Element	Yes
Housing Material	Glass-filled Polyamide
Pre-Cleaner	Integrated
Inlet	90° to Outlet - via pre-cleaner, 5" (127 mm)
Outlet	Straight 4.0" (101.6 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

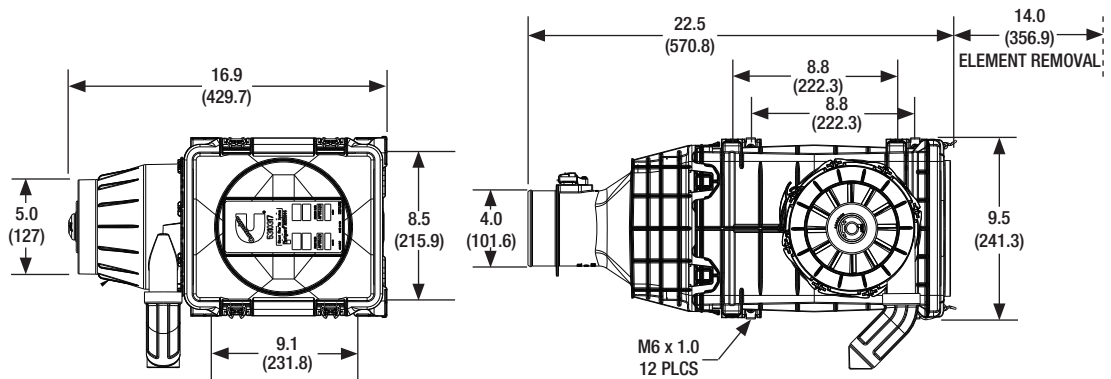
Specifications Subject to change without notice.

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)	378*	10.7*
Maximum Flow for 25 g/CFM (892.9 g/m ³ /min)	307	8.7

* Indicates maximum recommended flow rate.

Dimensions



All dimensions are in inches (millimeters)

Ordering Information

Air Cleaners	
Part Number	Description
AK55699	Direct Flow -Side Inlet -Integrated Pre-Cleaner -With TBAP Sensor

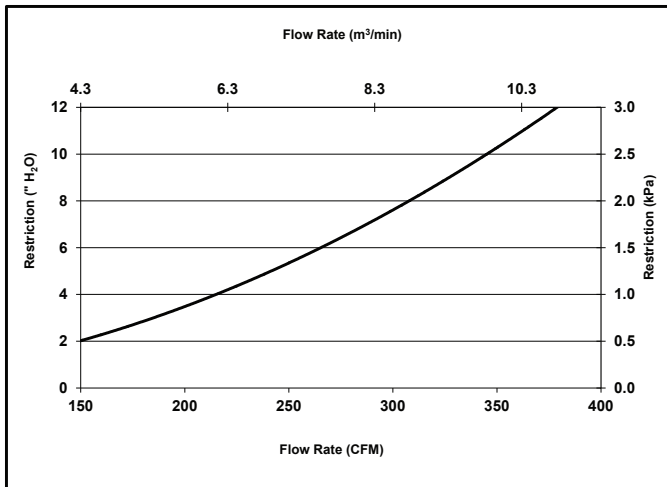
Service Parts	
Part Number	Description
AF55021	Primary Element
AF55320	Secondary Element
SP1048	Dust Ejection Valve (DEV)
SP1060	M6 Mounting clips
SP1041	Front Service Cover
AP15914	Pre-Cleaner

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

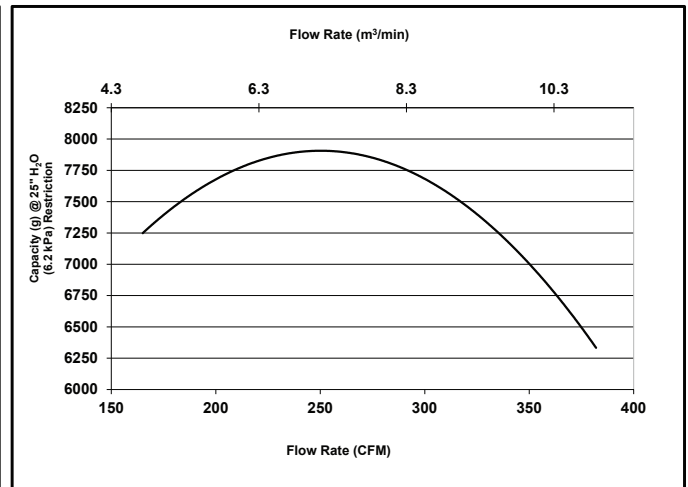
Additional sizes/shapes may be available.
Refer to the Cummins Filtration catalog or website.

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	215	6.1	7800
6.0	1.5	265	7.5	7900
8.0	2.0	308	8.7	7600
10.0	2.5	345	9.8	7100
12.0	3.0	378	10.7	6400

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