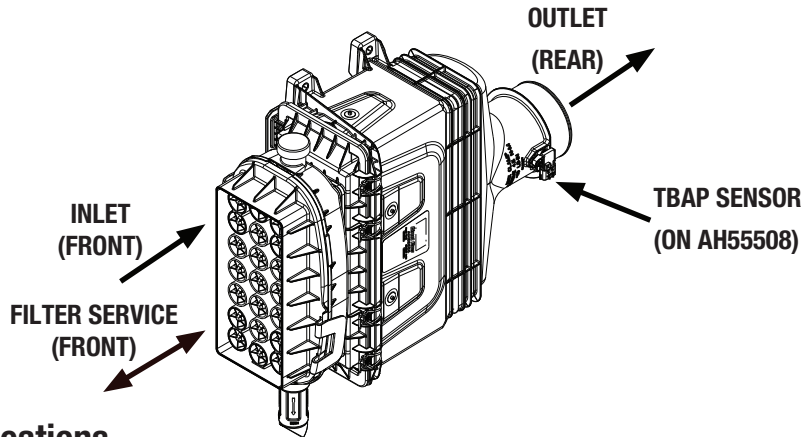


# DF600 Series



## Specifications

Specification	AH55508 • AH55555
Length, Overall	25.3" (643 mm)
Width, Overall	9.1" (230 mm)
Height, Overall	22.3" (566 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	200 CFM (5.66 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	556 CFM (15.74 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	Integral, Spinner-tube Type
Inlet	Via Pre-Cleaner
Outlet	Straight, 5.0" (127 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

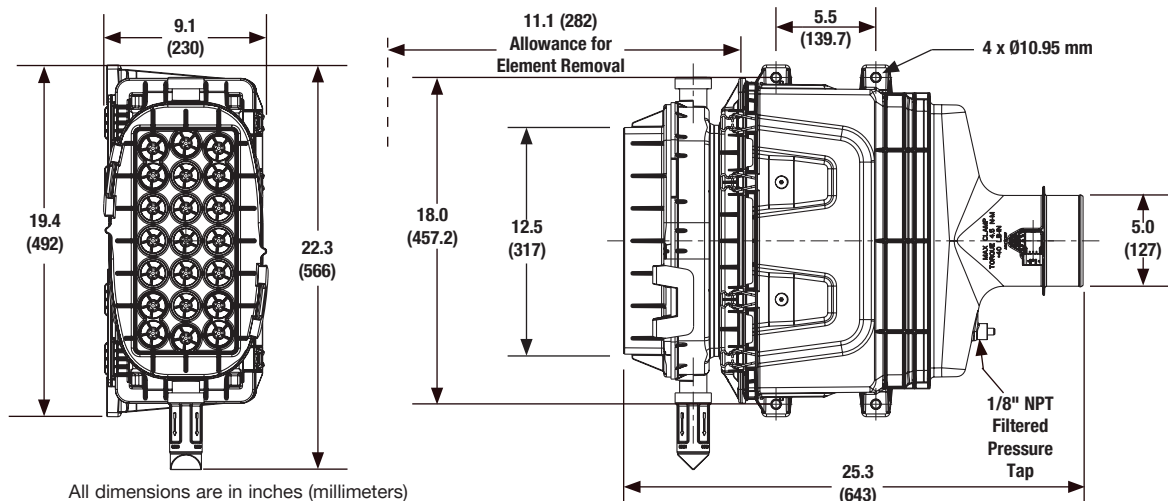
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	556*	15.7*	556*	15.7*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	490	13.9	340	9.6

\*Indicates maximum recommended flow rate

## Dimensions



All dimensions are in inches (millimeters)

## Ordering Information

Air Cleaners	
Part Number	Description
AH55508	Direct Flow - Integrated Pre-Cleaner - Front Inlet - With TBAP Sensor
AH55555	Direct Flow - Integrated Pre-Cleaner - Front Inlet - Without TBAP Sensor

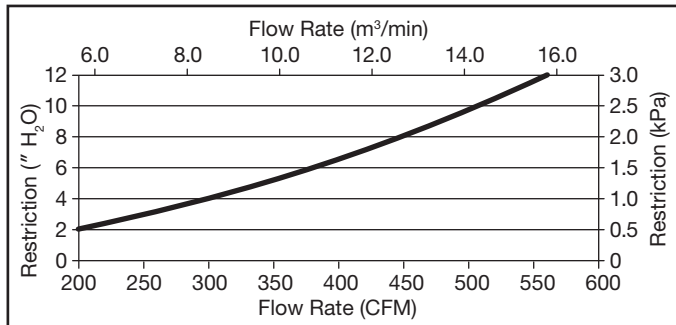
Service Parts	
Part Number	Description
AF55005	Primary Element
AF55308	Secondary Element
SP1048	Dust Ejection Valve (DEV)
SP1004	Service Kit: DEV Tube, DEV Cap, -Clips (4)
SP1399	Service Cover with Latches

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

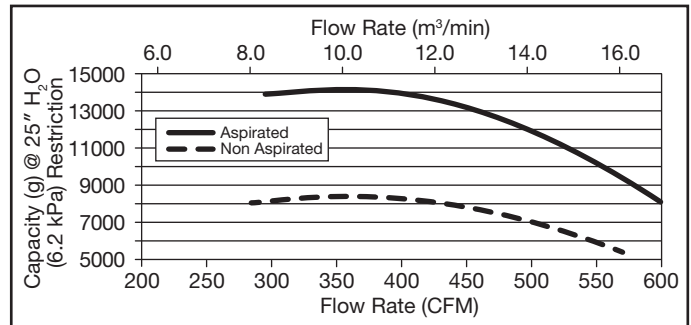
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	303	8.6	13872	8221
6	1.5	381	10.8	14088	8351
8	2.0	446	12.6	13392	7863
10	2.5	504	14.3	12118	6982
12	3.0	556	15.7	10433	5823

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

## Ordering Information

Air Cleaners	
Part Number	Description
AH55542	Direct Flow - Side Inlet - With TBAP Sensor
AH55559	Direct Flow - Side Inlet - Without TBAP Sensor

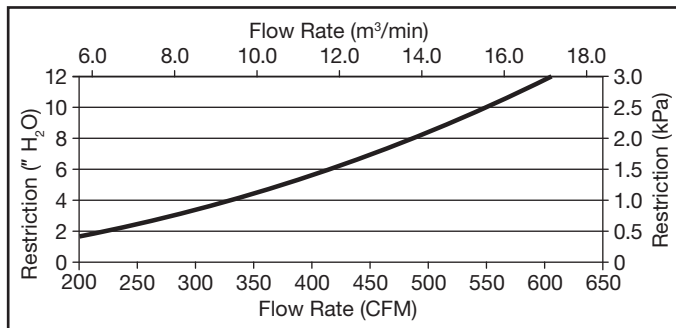
Service Parts	
Part Number	Description
AF55014	Primary Element
AF55308	Secondary Element
SP1004	Service Kit: DEV Tube, DEV Cap, J-Clips (4)
SP1400	Service Cover with O-Ring

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

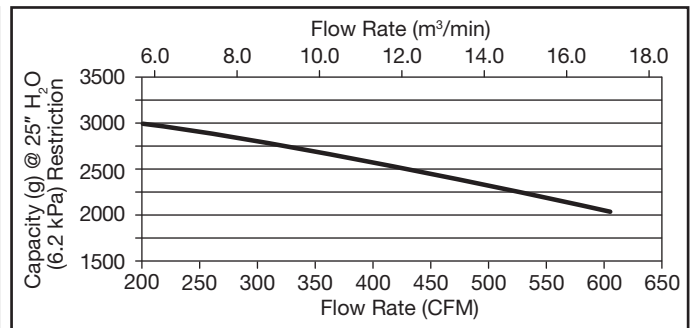
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



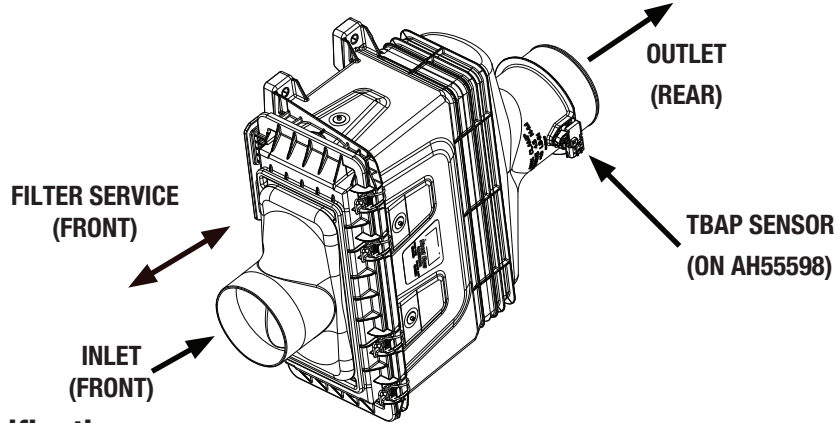
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction
in H <sub>2</sub> O	kPa	CFM	m³/min	Non Aspirated (g)
4	1.0	332	9.4	2728
6	1.5	416	11.8	2536
8	2.0	487	13.8	2359
10	2.5	549	15.6	2192
12	3.0	606	17.2	2033

ISO Fine Dust  
1.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF600 Series



## Specifications

Specification	AH55598 • AH55602
Length, Overall	24.9" (633 mm)
Width, Overall	8.9" (225.5 mm)
Height, Overall	19.4" (492 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	220 CFM (6.2 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	645 CFM (18.2 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	No
Inlet	Straight, 5.0" (127 mm)
Outlet	Straight, 5.0" (127 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

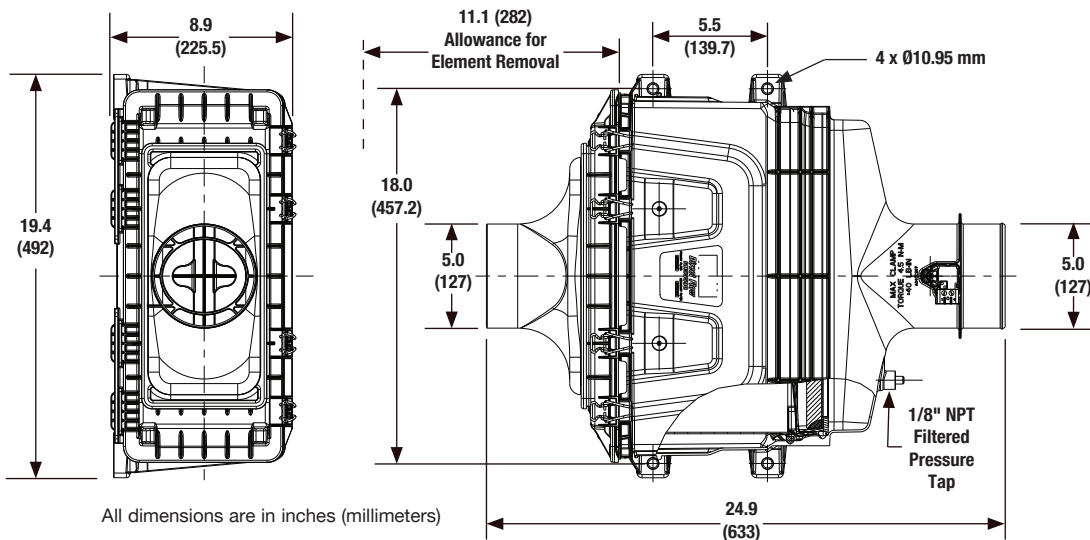
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	210	6.0
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	N/A*	N/A*

\*Requires precleaner (optional)

## Dimensions



All dimensions are in inches (millimeters)

## Ordering Information

Air Cleaners	
Part Number	Description
AH55598	Direct Flow - Front Inlet - With TBAP Sensor
AH55602	Direct Flow - Front Inlet - Without TBAP Sensor

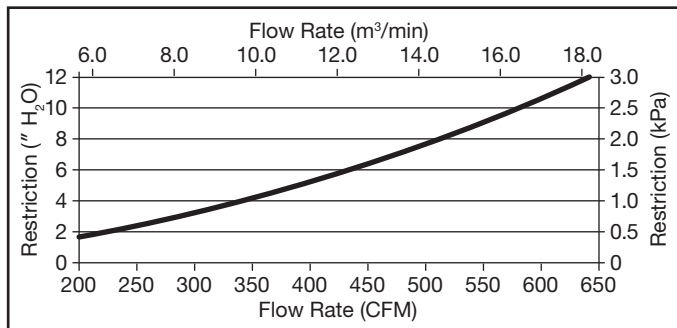
Service Parts	
Part Number	Description
AF55005	Primary Element
AF55308	Secondary Element
SP1004	Service Kit: DEV Tube, DEV Cap, -Clips (4)
SP1398	Service Cover with Latches

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

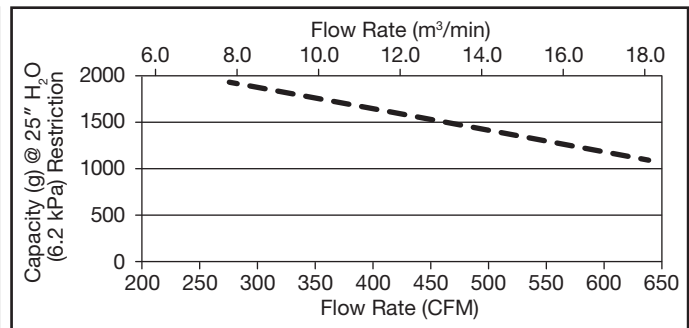
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



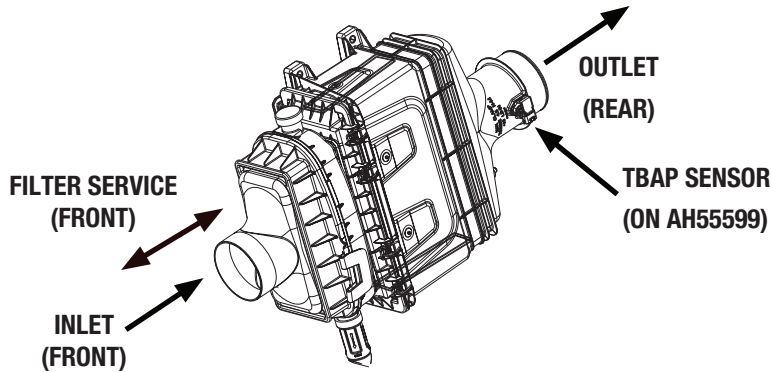
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction
in H <sub>2</sub> O	kPa	CFM	m³/min	Non Aspirated (g)
4	1.0	325	9.2	1823
6	1.5	420	11.9	1602
8	2.0	515	14.6	1374
10	2.5	580	16.4	1214
12	3.0	645	18.3	1050

ISO Fine Dust  
1.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF600 Series



## Specifications

Specification	AH55599 • AH55603
Length, Overall	29.9" (759 mm)
Width, Overall	9.1" (230 mm)
Height, Overall	22.3" (566 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	180 CFM (5.1 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	512 CFM (14.5 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	Integral, Spinner-tube Type
Inlet	Straight, 5.0" (127 mm)
Outlet	Straight, 5.0" (127 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

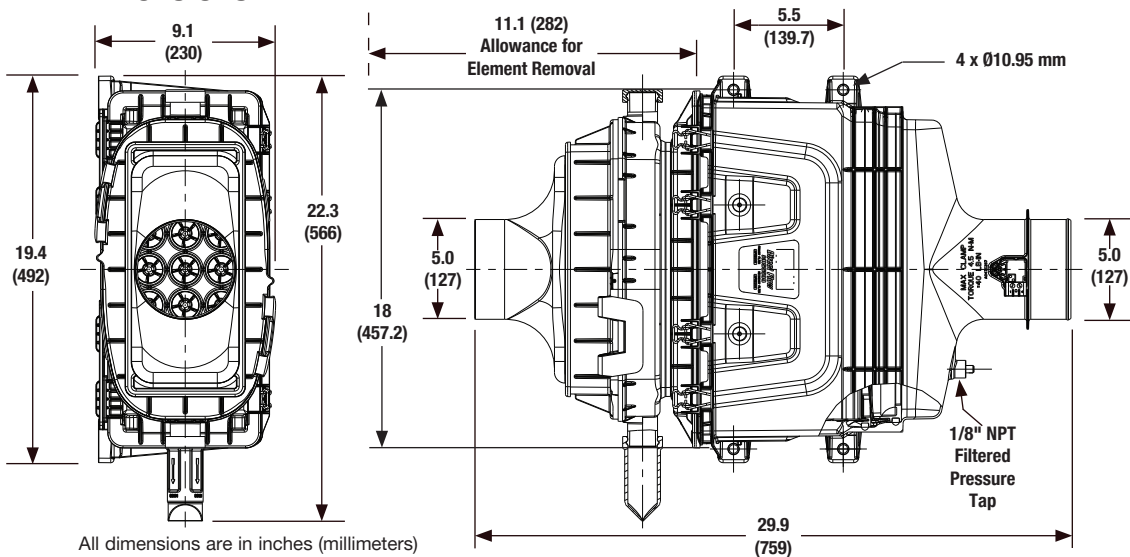
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	512*	14.5*	480	13.6
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	475	13.5	250	7.1

\*Indicates maximum recommended flow rate

## Dimensions



## Ordering Information

Air Cleaners	
Part Number	Description
AH55599	Direct Flow - Integrated Pre-Cleaner - Front Inlet - With TBAP Sensor
AH55603	Direct Flow - Integrated Pre-Cleaner - Front Inlet - Without TBAP Sensor

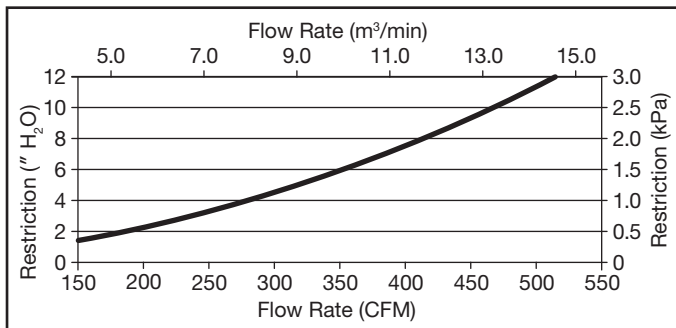
Service Parts	
Part Number	Description
AF55005	Primary Element
AF55308	Secondary Element
SP1048	Dust Ejection Valve (DEV)
SP1004	Service Kit: DEV Tube, DEV Cap, -Clips (4)
SP1399	Service Cover with Latches

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

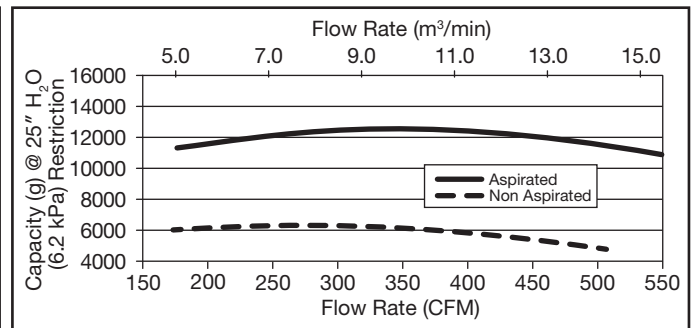
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



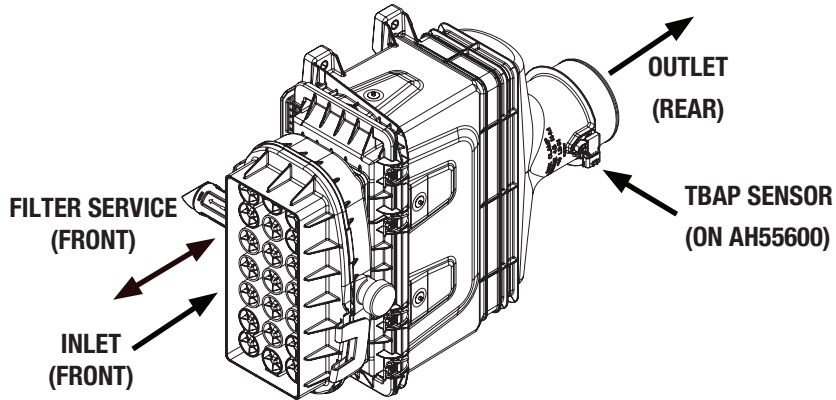
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	277	7.8	12262	6255
6	1.5	343	9.7	12503	6117
8	2.0	409	11.6	12385	5740
10	2.5	465	13.2	12004	5233
12	3.0	512	14.5	11484	4674

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF600 Series



## Specifications

Specification	AH55600 • AH55604
Length, Overall	25.3" (643 mm)
Width, Overall	14.8" (377 mm)
Height, Overall	19.4" (492 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	200 CFM (5.7 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	560 CFM (15.8 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	Integral, Spinner-tube Type
Inlet	Via Pre-Cleaner
Outlet	Straight, 5.0" (127 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

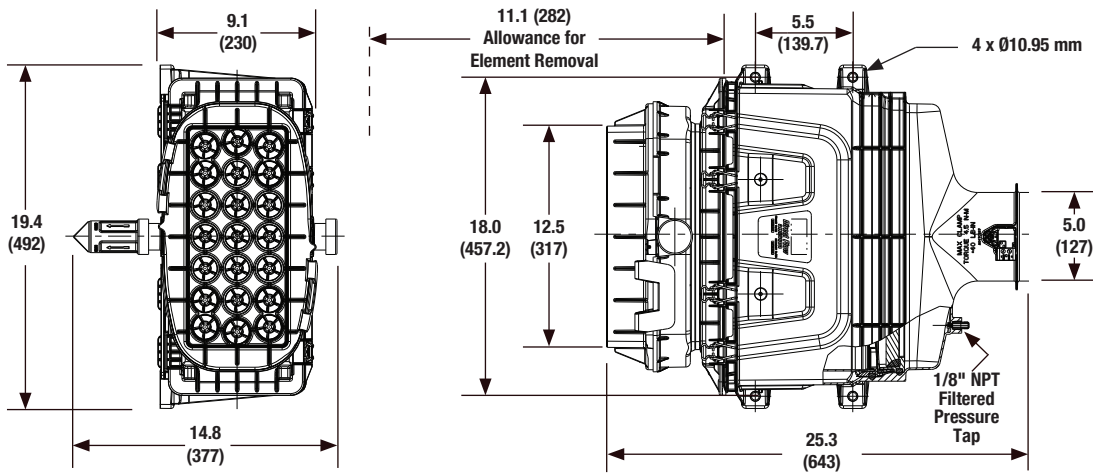
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	560*	15.9*	560*	15.9*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	510	14.4	260	7.4

\*Indicates maximum recommended flow rate

## Dimensions



All dimensions are in inches (millimeters)



## Ordering Information

Air Cleaners	
Part Number	Description
AH55600	Direct Flow - Integrated Pre-Cleaner - Front Inlet - With TBAP Sensor
AH55604	Direct Flow - Integrated Pre-Cleaner - Front Inlet - Without TBAP Sensor

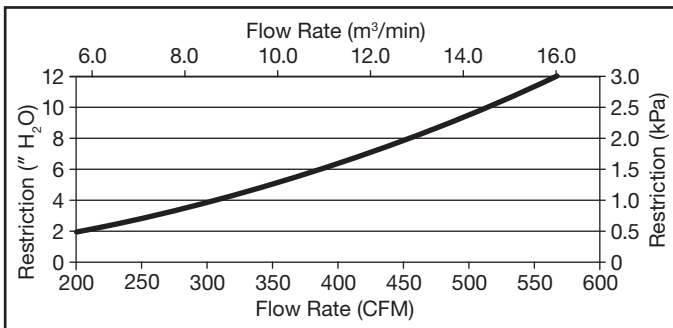
Service Parts	
Part Number	Description
AF55005	Primary Element
AF55308	Secondary Element
SP1048	Dust Ejection Valve (DEV)
SP1004	Service Kit: DEV Tube, DEV Cap, -Clips (4)
SP1397	Service Cover with Latches

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

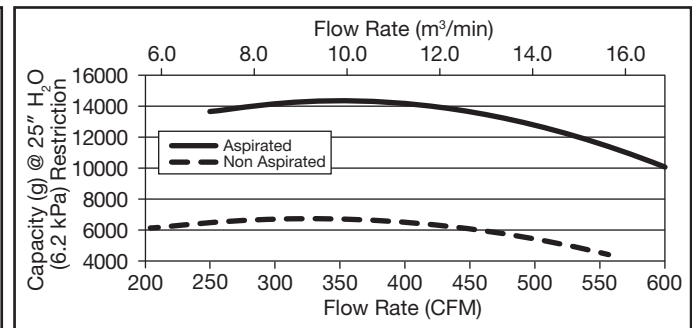
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate

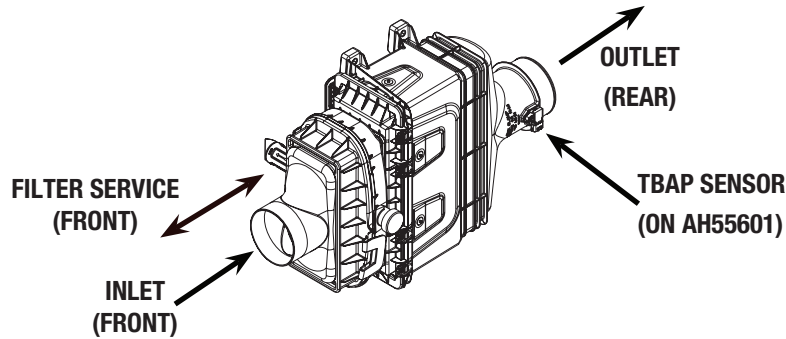


### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	305	8.6	14179	6731
6	1.5	380	10.8	14312	6614
8	2.0	455	12.9	13705	6012
10	2.5	508	14.4	12747	5302
12	3.0	560	15.9	11305	4355

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011



**Specifications**

Specification	AH55601 • AH55605
Length, Overall	29.9" (759 mm)
Width, Overall	14.8" (377 mm)
Height, Overall	19.4" (493 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	180 CFM (5.1 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	520 CFM (14.7 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	Integral, Spinner-tube Type
Inlet	Straight, 5" (127 mm)
Outlet	Straight, 5" (127 mm)

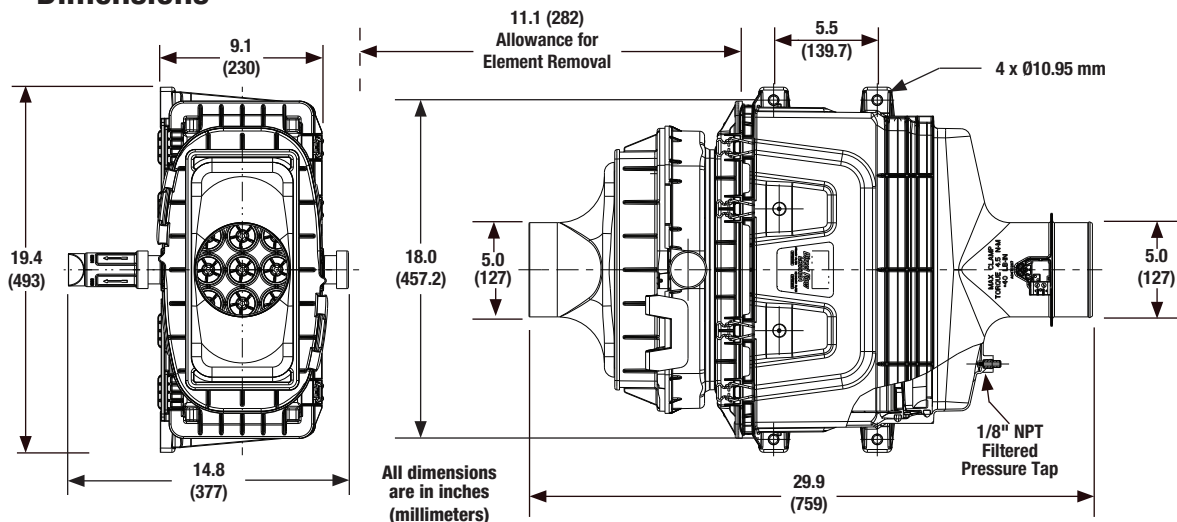
Specifications subject to change without notice.

**Dust Holding Capacity per Flow Rate**

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	520*	14.7*	420	11.9
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	430	12.2	200	5.7

\*Indicates maximum recommended flow rate

**Dimensions**



## Ordering Information

Air Cleaners	
Part Number	Description
AH55601	Direct Flow - Integrated Pre-Cleaner - Front Inlet - With TBAP Sensor
AH55605	Direct Flow - Integrated Pre-Cleaner - Front Inlet - Without TBAP Sensor

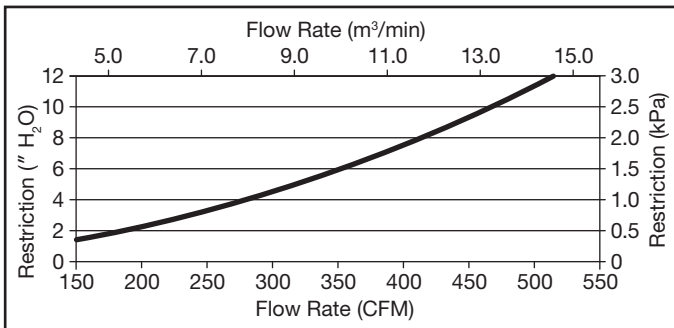
Service Parts	
Part Number	Description
AF55005	Primary Element
AF55308	Secondary Element
SP1048	Dust Ejection Valve (DEV)
SP1004	Service Kit: DEV Tube, DEV Cap, -Clips (4)
SP1397	Service Cover with Latches

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

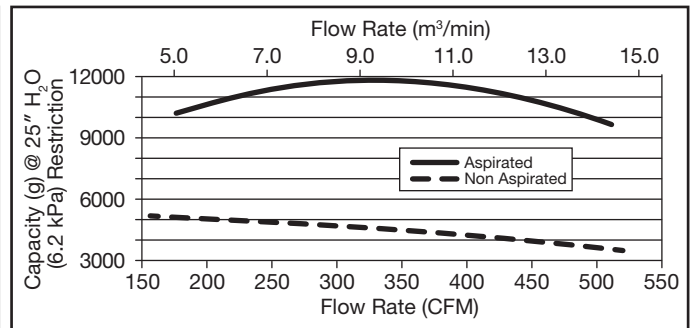
Additional sizes/shapes may be available. Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



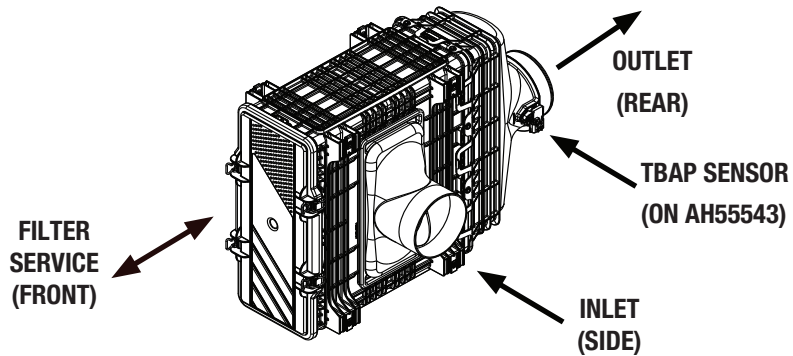
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	285	8.1	11571	4748
6	1.5	350	9.9	11749	4461
8	2.0	415	11.8	11366	4121
10	2.5	468	13.2	10687	3808
12	3.0	520	14.7	9680	3462

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF900 Series



## Specifications

Specification	AH55543 • AH55556
Length, Overall	24.8" (632 mm)
Width, Overall	12.7" (323 mm)
Height, Overall	17.7" (450 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	235 CFM (6.7 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	635 CFM (18.0 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	No
Inlet	90° to Outlet, 5" (127 mm)
Outlet	Straight, 5" (127 mm)

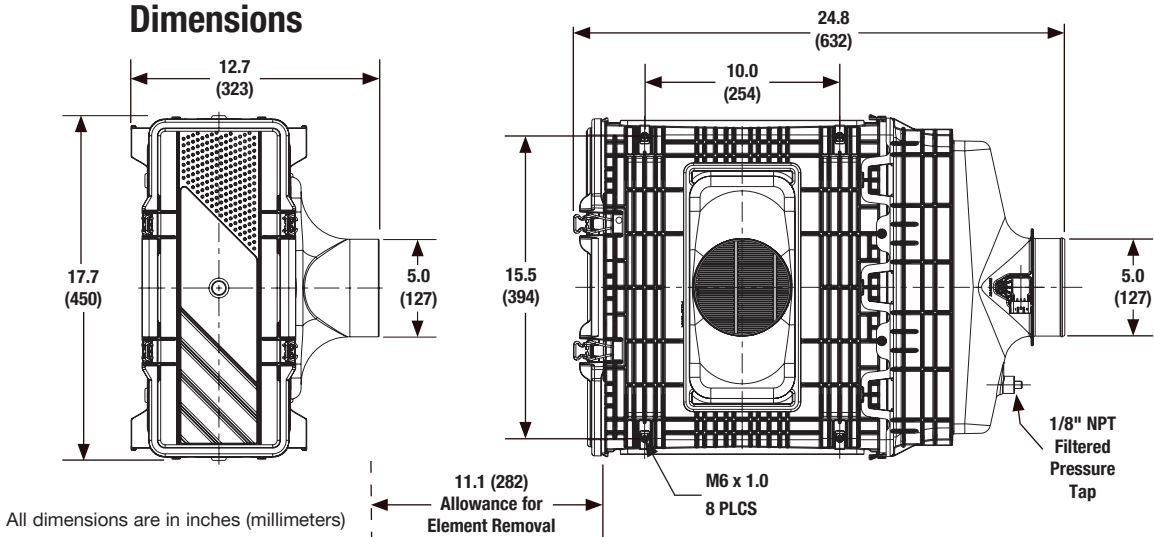
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	280	7.9
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	N/A*	N/A*

\*Requires precleaner (optional)

## Dimensions



## Ordering Information

Air Cleaners	
Part Number	Description
AH55543	Direct Flow - Side Inlet - With TBAP Sensor
AH55556	Direct Flow - Side Inlet - Without TBAP Sensor

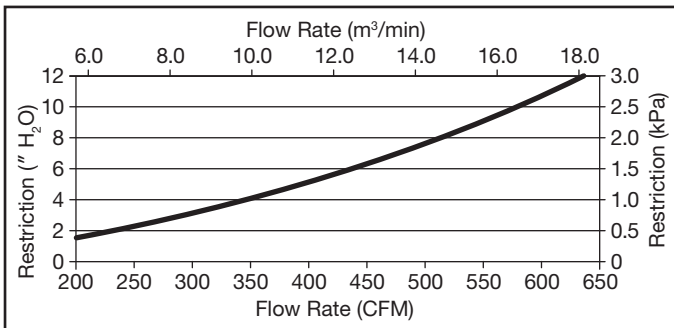
Service Parts	
Part Number	Description
AF55014	Primary Element
AF55308	Secondary Element
SP1004	Service Kit: DEV Tube, DEV Cap, J-Clips (4)
SP1400	Service Cover with O-Ring

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

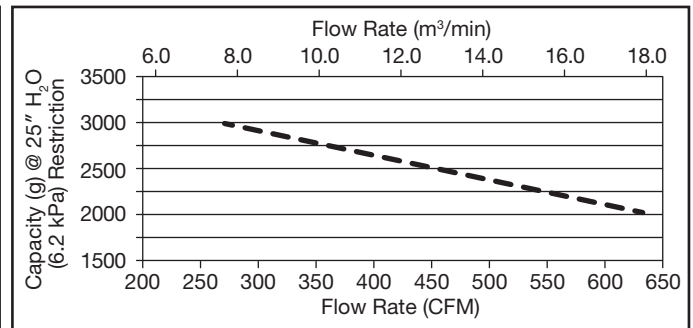
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



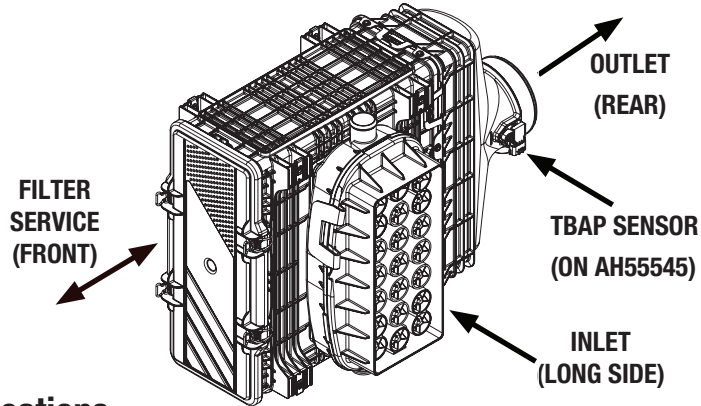
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction
in H <sub>2</sub> O	kPa	CFM	m³/min	Non Aspirated (g)
4	1.0	347	9.8	2754
6	1.5	436	12.3	2619
8	2.0	511	14.5	2433
10	2.5	576	16.3	2215
12	3.0	635	18.0	1973

ISO Fine Dust  
1.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF900 Series



## Specifications

Specification	AH55545 • AH55557
Length, Overall	24.8" (632 mm)
Width, Overall	12.9" (330 mm)
Height, Overall	21.6" (549 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	200 CFM (5.7 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	524 CFM (14.8 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	Integral, Spinner-tube Type
Inlet	Via Pre-Cleaner
Outlet	Straight, 5.0" (127 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

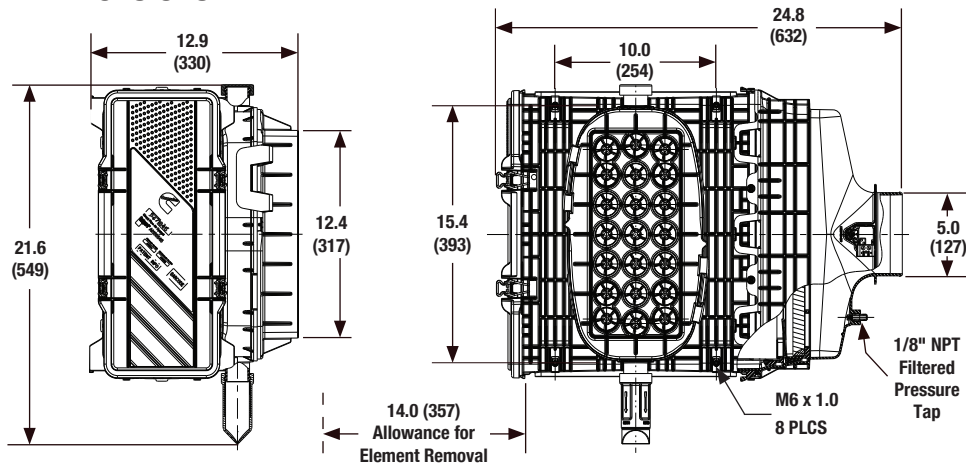
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	524*	14.8*	524*	14.8*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	524*	14.8*	460	13.0

\*Indicates maximum recommended flow rate

## Dimensions



All dimensions are in inches (millimeters)

## Ordering Information

Air Cleaners	
Part Number	Description
AH55545	Direct Flow - Integrated Pre-Cleaner - Side Inlet - With TBAP Sensor
AH55557	Direct Flow - Integrated Pre-Cleaner - Side Inlet - Without TBAP Sensor

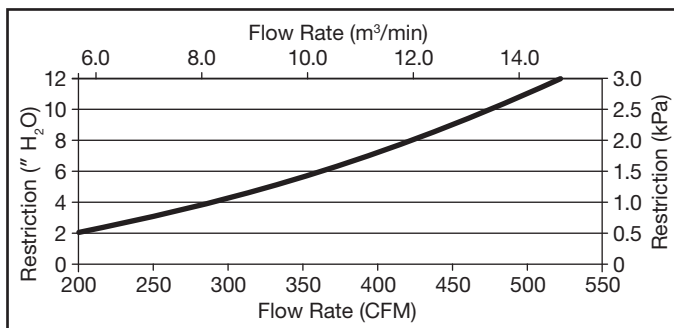
Service Parts	
Part Number	Description
AF55014	Primary Element
AF55308	Secondary Element
SP1004	Service Kit: DEV Tube, DEV Cap, J-Clips (4)
SP1400	Service Cover with O-Ring

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

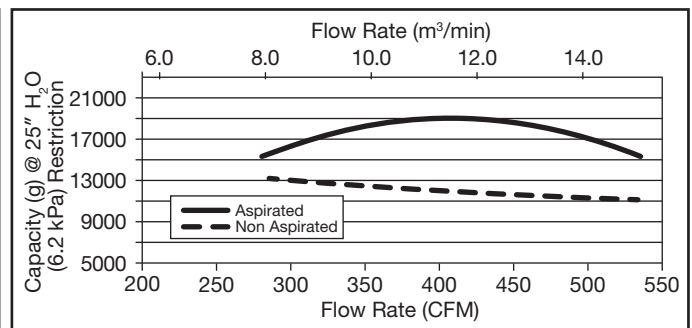
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



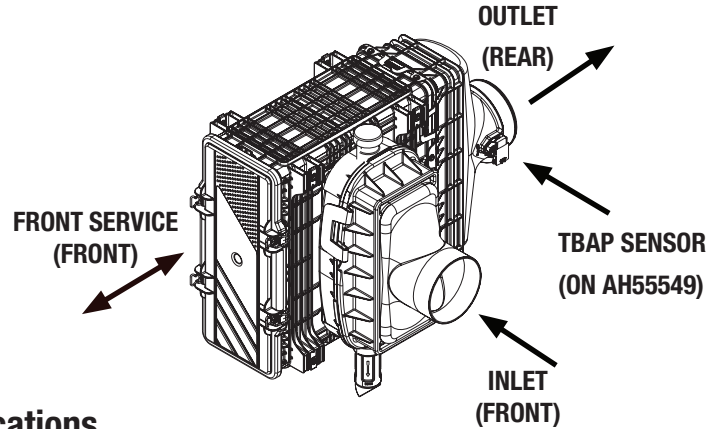
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	291	8.3	16211	13037
6	1.5	363	10.3	18777	12275
8	2.0	423	12.0	18929	11770
10	2.5	476	13.5	17876	11428
12	3.0	524	14.8	15862	11203

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF900 Series



## Specifications

Specification	AH55549 • AH55558
Length, Overall	24.9" (632 mm)
Width, Overall	17.6" (446 mm)
Height, Overall	21.6" (549 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	170 CFM (4.8 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	506 CFM (14.3 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	Yes
Inlet	90° to Outlet, 5.0" (127 mm)
Outlet	Straight, 5.0" (127 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

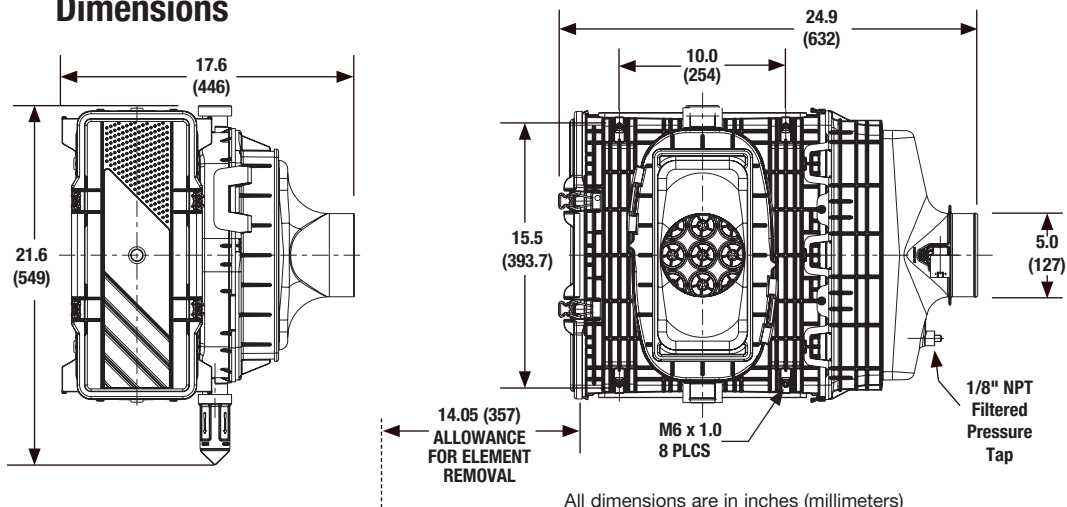
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	506*	14.3*	506*	14.3*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	506*	14.3*	375	10.6

\*Indicates maximum recommended flow rate

## Dimensions



All dimensions are in inches (millimeters)



## Ordering Information

Air Cleaners	
Part Number	Description
AH55549	Direct Flow - Integrated Pre-Cleaner - Side Inlet - With TBAP Sensor
AH55558	Direct Flow - Integrated Pre-Cleaner - Side Inlet - Without TBAP Sensor

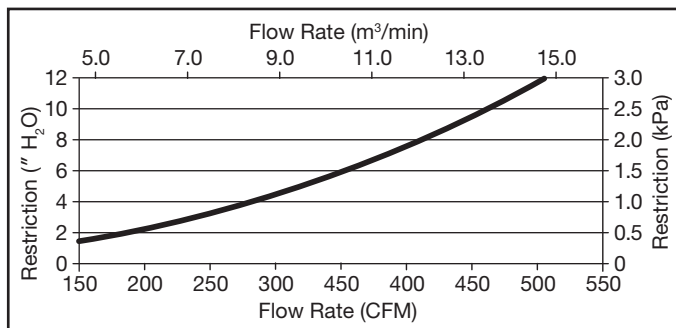
Service Parts	
Part Number	Description
AF55014	Primary Element
AF55308	Secondary Element
SP1004	Service Kit: DEV Tube, DEV Cap, J-Clips (4)
SP1400	Service Cover with O-Ring

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

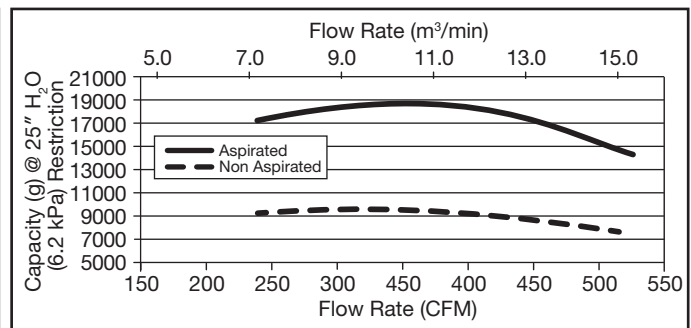
Additional sizes/shapes may be available. Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



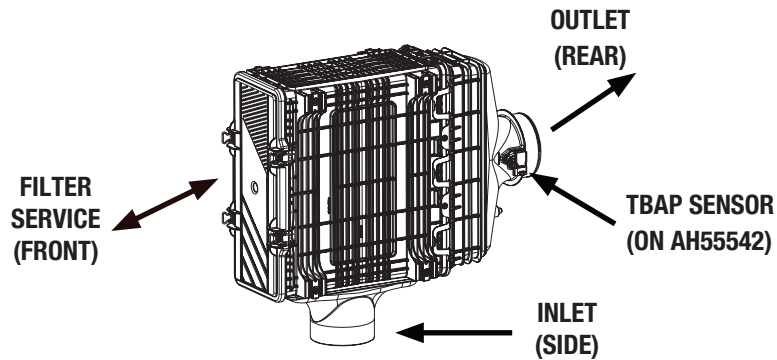
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	284	8.0	17737	9492
6	1.5	353	10.0	18730	9448
8	2.0	411	11.6	18557	9074
10	2.5	461	13.1	17634	8495
12	3.0	506	14.3	15210	7775

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF900 Series



## Specifications

Specification	AH55542 • AH55559
Length, Overall	24.8" (632 mm)
Width, Overall	8.9" (228 mm)
Height, Overall	22.0" (561 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	220 CFM (6.23 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	606 CFM (17.1 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	No
Inlet	Straight, 5.0" (127 mm)
Outlet	Straight, 5.0" (127 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

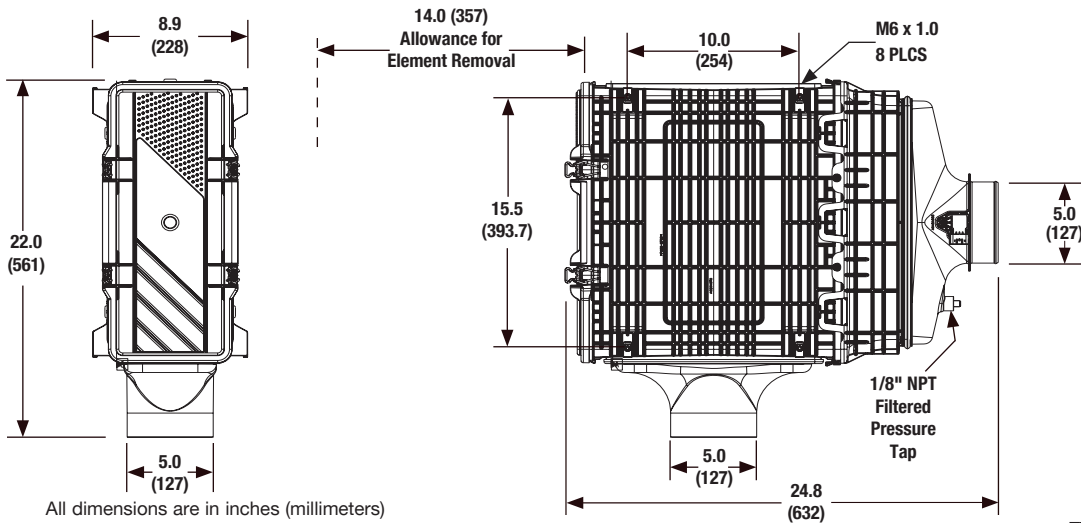
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	280	7.9
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	N/A*	N/A*

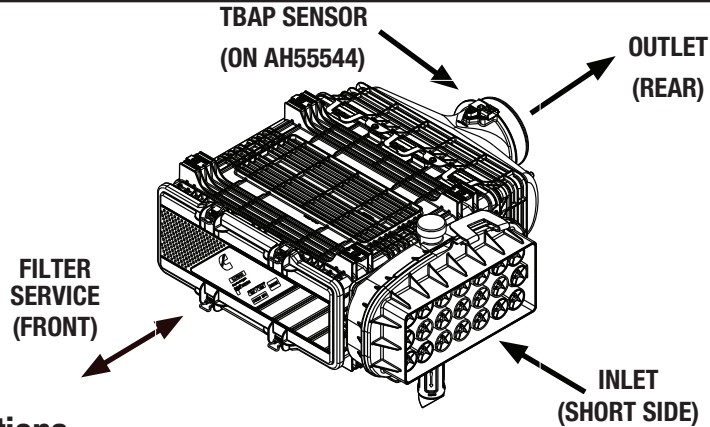
\*Requires precleaner (optional)

## Dimensions



All dimensions are in inches (millimeters)

# DF900 Series



## Specifications

Specification	AH55544 • AH55560
Length, Overall	24.8" (632 mm)
Width, Overall	14.8" (377 mm)
Height, Overall	22.3" (568 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	190 CFM (5.4 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	515 CFM (14.6 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	Integral, Spinner-tube Type
Inlet	Via Pre-Cleaner
Outlet	Straight, 5.0" (127 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

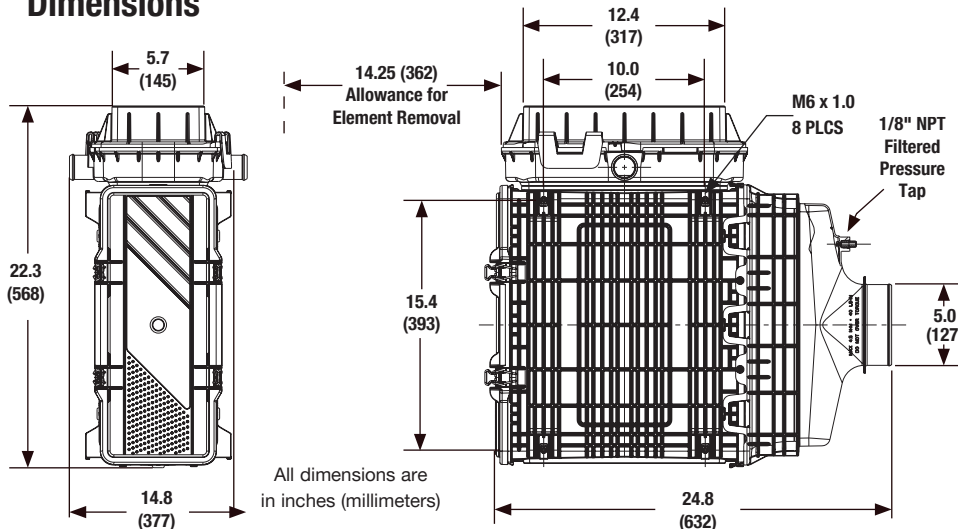
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	515*	14.6*	515*	14.6*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	515*	14.6*	380	10.8

\*Indicates maximum recommended flow rate

## Dimensions



## Ordering Information

Air Cleaners	
Part Number	Description
AH55544	Direct Flow - Integrated Pre-Cleaner - Side Inlet - With TBAP Sensor
AH55560	Direct Flow - Integrated Pre-Cleaner - Side Inlet - Without TBAP Sensor

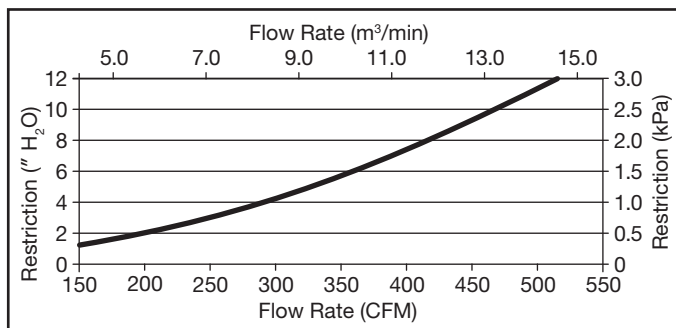
Service Parts	
Part Number	Description
AF55014	Primary Element
AF55308	Secondary Element
SP1004	Service Kit: DEV Tube, DEV Cap, J-Clips (4)
SP1400	Service Cover with O-Ring

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

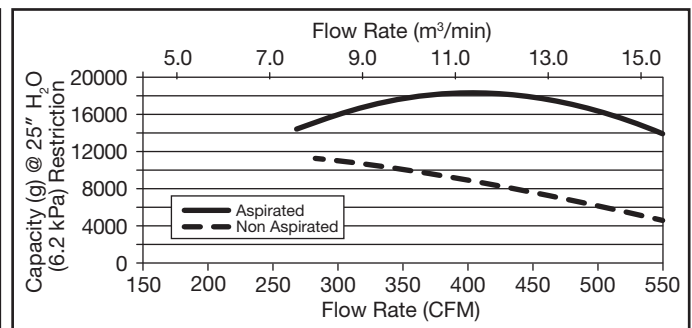
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



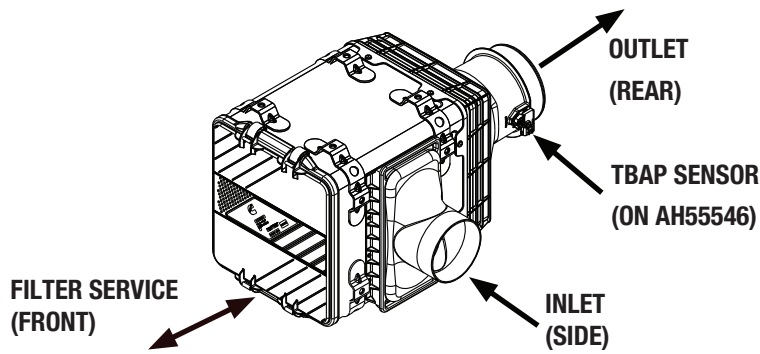
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	289	8.2	15074	11213
6	1.5	359	10.2	17732	9922
8	2.0	417	11.8	18373	8568
10	2.5	469	13.3	17725	7173
12	3.0	515	14.6	16159	5750

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF1200 Series



## Specifications

Specification	AH55546 • AH55562
Length, Overall	25.0" (634.9 mm)
Width, Overall	18.5" (468.8 mm)
Height, Overall	14.6" (369.6 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	270 CFM (7.7 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	771 CFM (21.8 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide and Metal
Pre-Cleaner	No
Inlet	90° to Outlet, 5.0" (127 mm)
Outlet	Straight, 6.0" (152 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

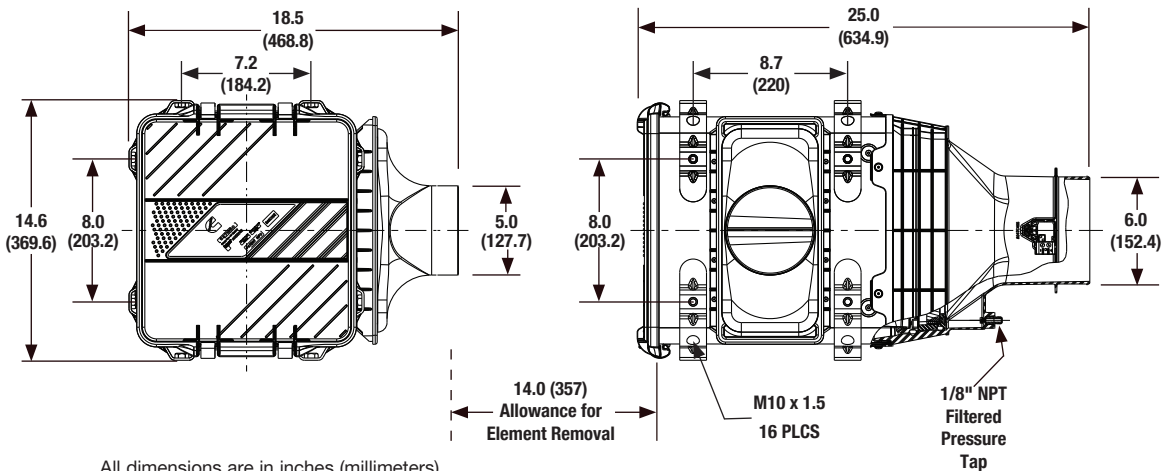
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	380	10.8
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	N/A*	N/A*

\*Requires precleaner (optional)

## Dimensions



All dimensions are in inches (millimeters)

## Ordering Information

Air Cleaners	
Part Number	Description
AH55546	Direct Flow - Side Inlet - With TBAP Sensor
AH55562	Direct Flow - Side Inlet - Without TBAP Sensor

Service Parts	
Part Number	Description
AF55015	Primary Element
AF55309	Secondary Element
SP1003	Front Service Cover
SP1187	Service Cover Latches

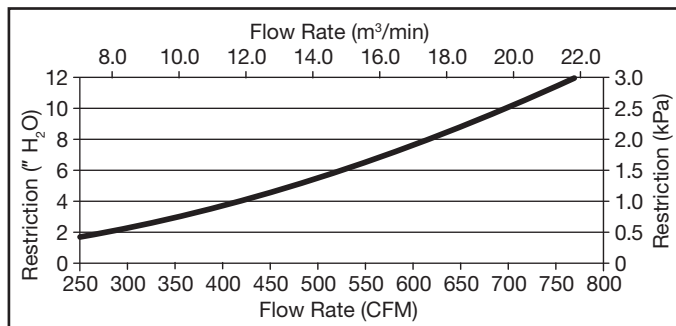
Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316662S	6" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316612S	6" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316573S	6" 90° Elbow
3316589S	6" to 5" Reducing Elbow
3316618S	5" to 4" Hump Hose Reducer
3316621S	6" to 5" Hump Hose Reducer
3946466S	Weather Hood
3905161S	Restriction Indicator

TBAP -Temperature and Barometric Air Pressure

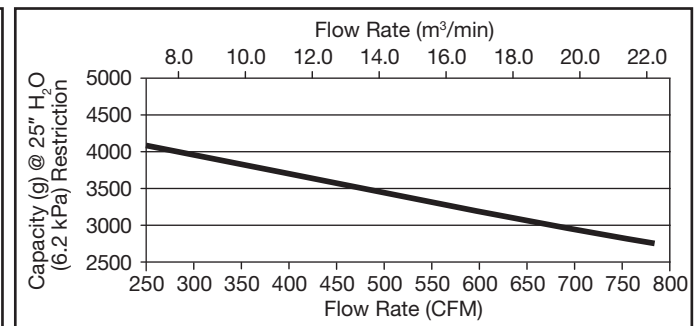
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



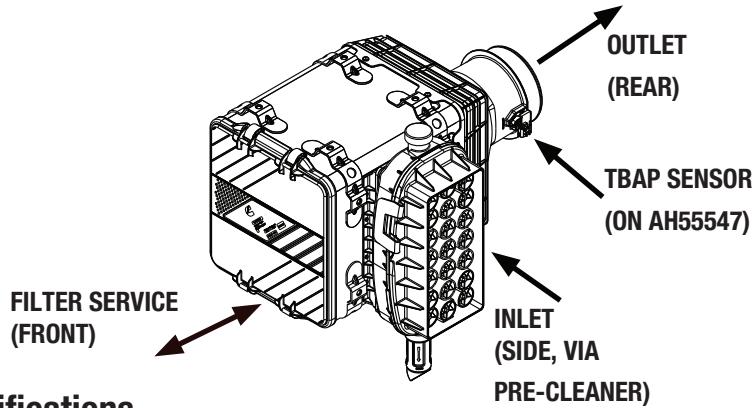
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction
in H <sub>2</sub> O	kPa	CFM	m³/min	Non Aspirated (g)
4	1.0	418	11.8	3645
6	1.5	526	14.9	3373
8	2.0	617	17.5	3146
10	2.5	698	19.8	2949
12	3.0	771	21.8	2772

ISO Fine Dust  
1.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF1200 Series



## Specifications

Specification	AH55547 • AH55563
Length, Overall	25.0" (634.9 mm)
Width, Overall	18.7" (474.6 mm)
Height, Overall	21.6" (548.5 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	260 CFM (7.4 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	690 CFM (19.5 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide and Metal
Pre-Cleaner	Integral, Spinner-tube Type
Inlet	Via Pre-Cleaner, 90° to outlet
Outlet	Straight, 6.0" (152 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

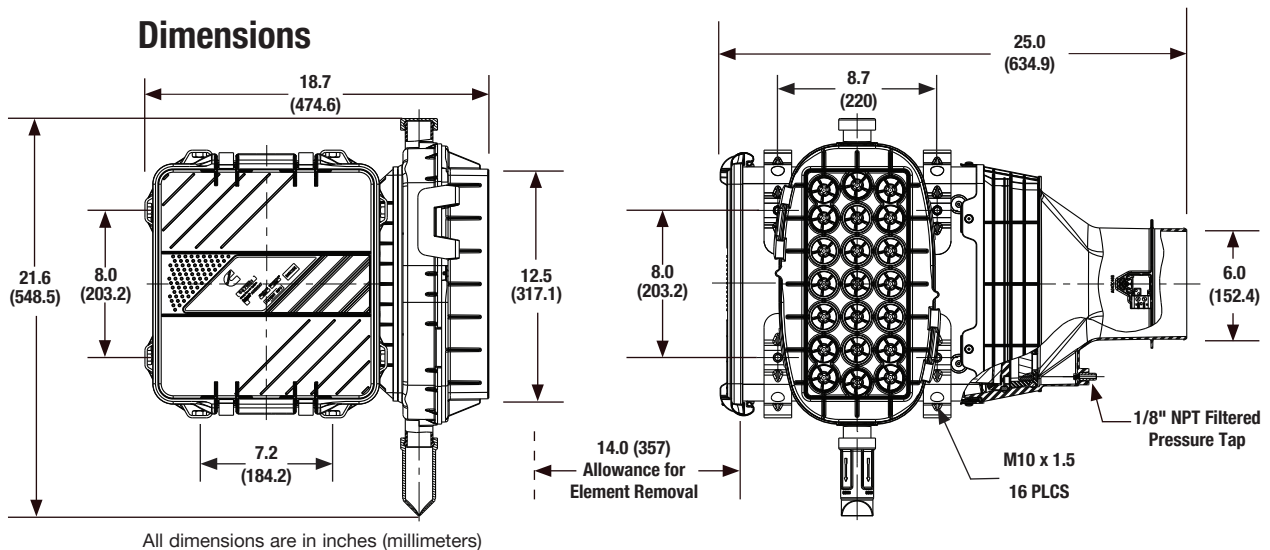
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	690*	19.5*	690*	19.5*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	690*	19.5*	600	17.0

\*Indicates maximum recommended flow rate

## Dimensions



## Ordering Information

Air Cleaners	
Part Number	Description
AH55547	Direct Flow - Side Inlet - Integrated Pre-Cleaner - With TBAP Sensor
AH55563	Direct Flow - Side Inlet - Integrated Pre-Cleaner - Without TBAP Sensor

TBAP -Temperature and Barometric Air Pressure

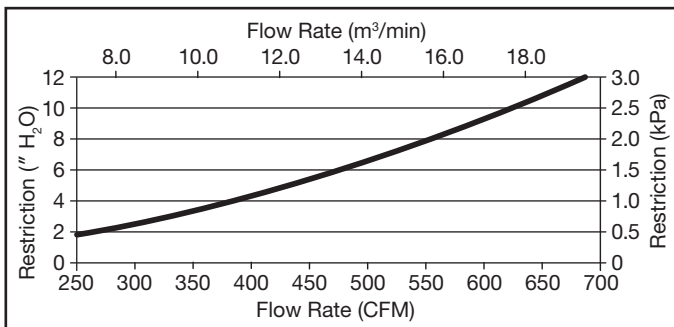
Service Parts	
Part Number	Description
AF55015	Primary Element
AF55309	Secondary Element
SP1003	Front Service Cover
SP1048	Angled Dust Ejection Valve (DEV)
SP1004	Service Kit: Straight DEV Tube, DEV Cap, J-Clips (4)
SP1187	Service Cover Latches

Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316662S	6" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316612S	6" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316573S	6" 90° Elbow
3316589S	6" to 5" Reducing Elbow
3316618S	5" to 4" Hump Hose Reducer
3316621S	6" to 5" Hump Hose Reducer
3946466S	Weather Hood
3905161S	Restriction Indicator

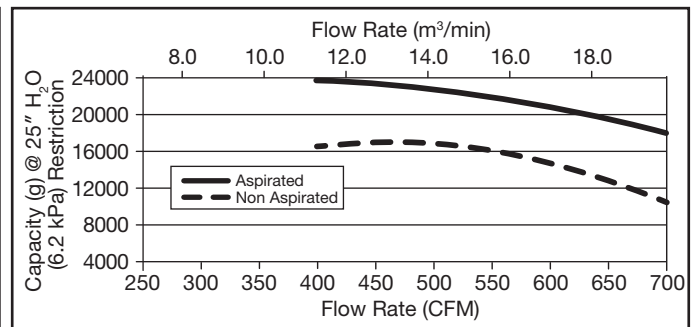
Additional sizes/shapes may be available. Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



### System Capacity vs Flow Rate

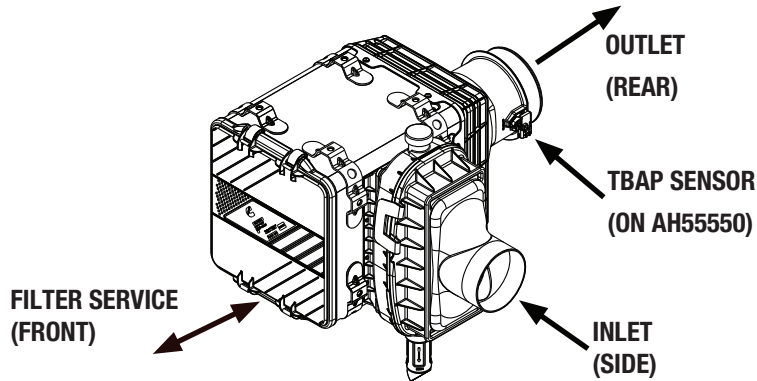


Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	384	10.9	23206	16274
6	1.5	478	13.5	22996	16922
8	2.0	557	15.8	21723	15901
10	2.5	627	17.8	19767	13816
12	3.0	690	19.5	17324	10969

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011



# DF1200 Series



## Specifications

Specification	AH55550 • AH55564
Length, Overall	25.0" (634.9 mm)
Width, Overall	23.4" (595.3 mm)
Height, Overall	21.6" (548.5 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	240 CFM (6.80 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	650 CFM (18.4 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide and Metal
Pre-Cleaner	Integral, Vortex Tube Type
Inlet	90° to Outlet, 5.0" (127 mm)
Outlet	Straight, 6.0" (152.4 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

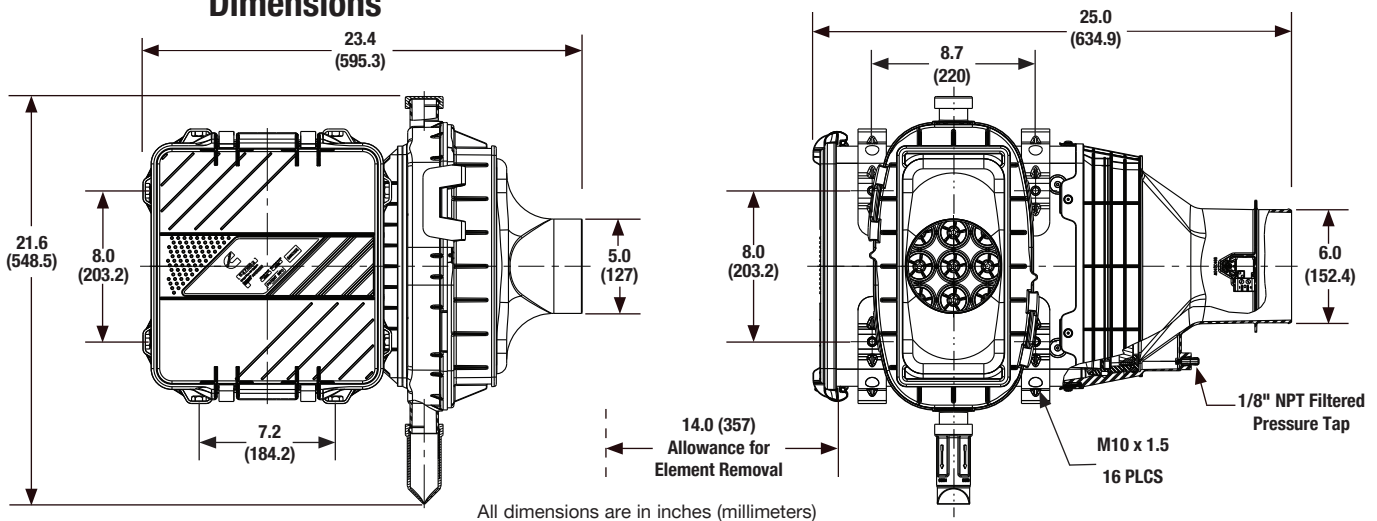
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	650*	18.4*	650*	18.4*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	650*	18.4*	400	11.3

\*Indicates maximum recommended flow rate

## Dimensions



All dimensions are in inches (millimeters)

## Ordering Information

Air Cleaners	
Part Number	Description
AH55550	Direct Flow - Integrated Pre-Cleaner - Side Inlet - With TBAP Sensor
AH55564	Direct Flow - Integrated Pre-Cleaner - Side Inlet - Without TBAP Sensor

TBAP -Temperature and Barometric Air Pressure

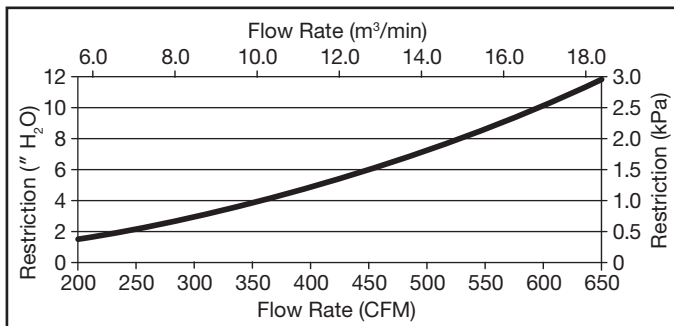
Service Parts	
Part Number	Description
AF55015	Primary Element
AF55309	Secondary Element
SP1003	Front Service Cover
SP1048	Angled Dust Ejection Valve (DEV)
SP1004	Service Kit: Straight DEV Tube, DEV Cap, J-Clips (4)
SP1187	Service Cover Latches

Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316662S	6" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316612S	6" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316573S	6" 90° Elbow
3316589S	6" to 5" Reducing Elbow
3316618S	5" to 4" Hump Hose Reducer
3316621S	6" to 5" Hump Hose Reducer
3946466S	Weather Hood
3905161S	Restriction Indicator

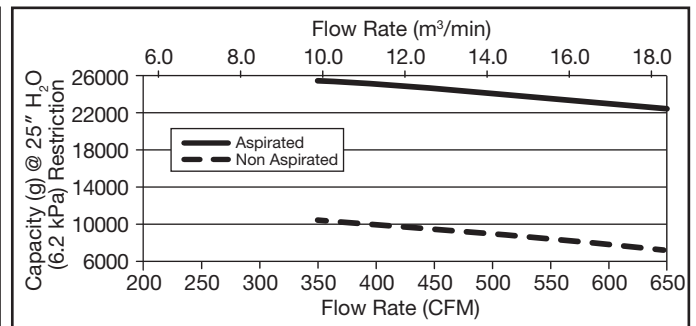
Additional sizes/shapes may be available. Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate

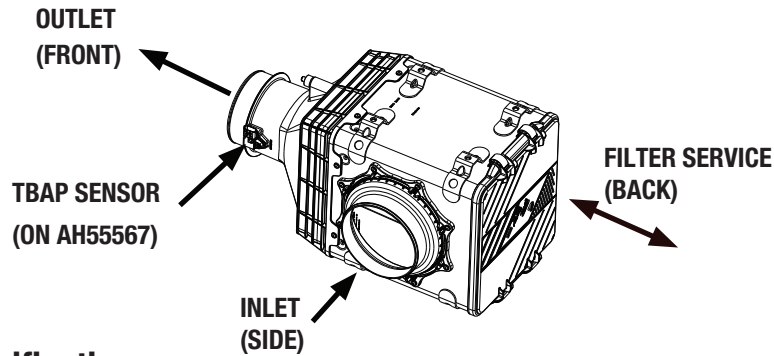


### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
" H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	357	10.1	25446	10351
6	1.5	445	12.6	24668	9530
8	2.0	520	14.7	23906	8751
10	2.5	586	16.6	23153	8000
12	3.0	650	18.4	22407	7214

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011



## Specifications

Specification	AH55676 • AH55677
Length, Overall	25.4" (644.2 mm)
Width, Overall	15.2" (386.9 mm)
Height, Overall	14.6" (369.6 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	340 CFM (9.6 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	1000 CFM (28.3 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide and Metal
Pre-Cleaner	No
Inlet	90° to Outlet, 7.0" (178 mm)
Outlet	Straight, 6.0" (152 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

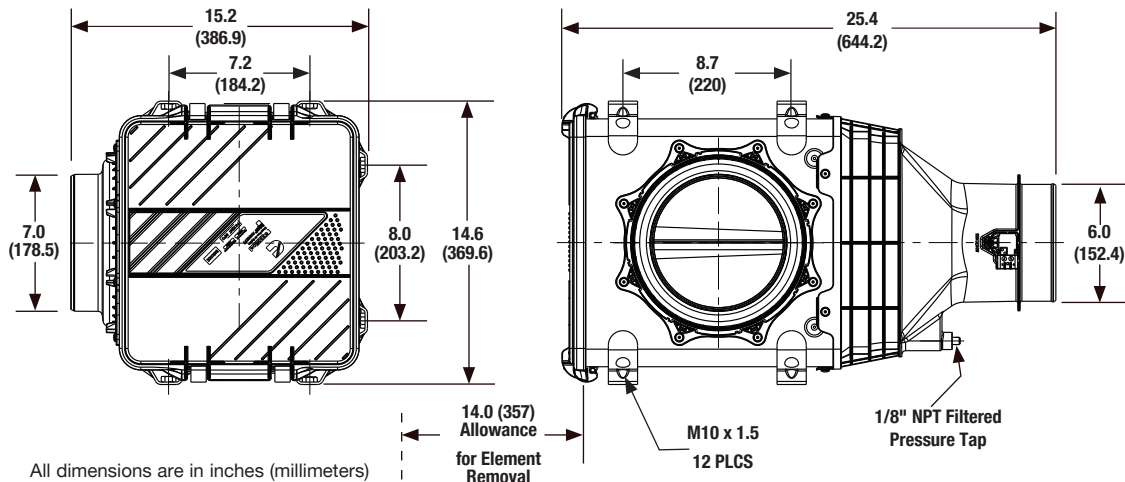
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	270	7.6
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	N/A*	N/A*

\*Requires precleaner (optional)

## Dimensions



All dimensions are in inches (millimeters)

## Ordering Information

Air Cleaners	
Part Number	Description
AH55676	Direct Flow - Side Inlet - Without TBAP Sensor
AH55677	Direct Flow - Side Inlet - With TBAP Sensor

TBAP -Temperature and Barometric Air Pressure

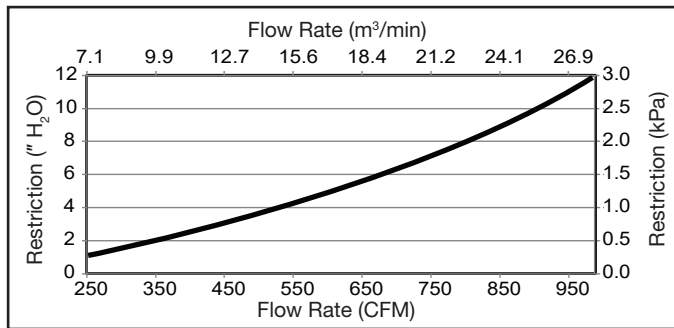
Service Parts	
Part Number	Description
AF55015	Primary Element
AF55309	Secondary Element
SP1003	Front Service Cover
SP1187	Service Cover Latches

Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316662S	6" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316612S	6" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316573S	6" 90° Elbow
3316589S	6" to 5" Reducing Elbow
3316618S	5" to 4" Hump Hose Reducer
3316621S	6" to 5" Hump Hose Reducer

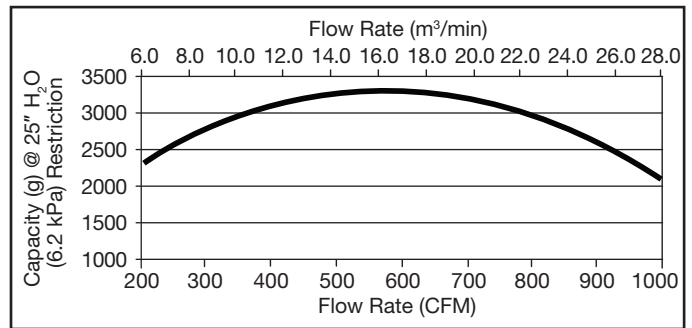
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



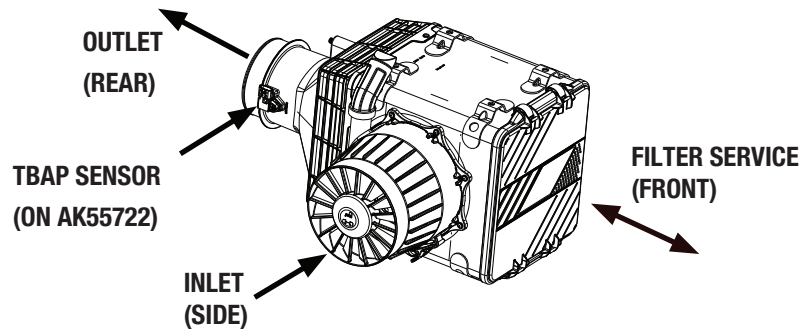
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction
in H <sub>2</sub> O	kPa	CFM	m³/min	Non-Aspirated (g)
4	1.0	540	15.3	3300
6	1.5	680	19.3	3200
8	2.0	800	22.7	3050
10	2.5	900	25.5	2550
12	3.0	1000	28.3	1900

ISO Fine Dust  
1.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011

# DF1200 Series



## Specifications

Specification	AK55722 • AK55723
Length, Overall	25.4" (644.2 mm)
Width, Overall	14.6" (369.6 mm)
Height, Overall	21.1" (534.9 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	300 CFM (8.5 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	825 CFM (23.4 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide and Metal
Pre-Cleaner	No
Inlet	90° to Outlet, 8.0" (203 mm)
Outlet	Straight, 6.0" (152 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

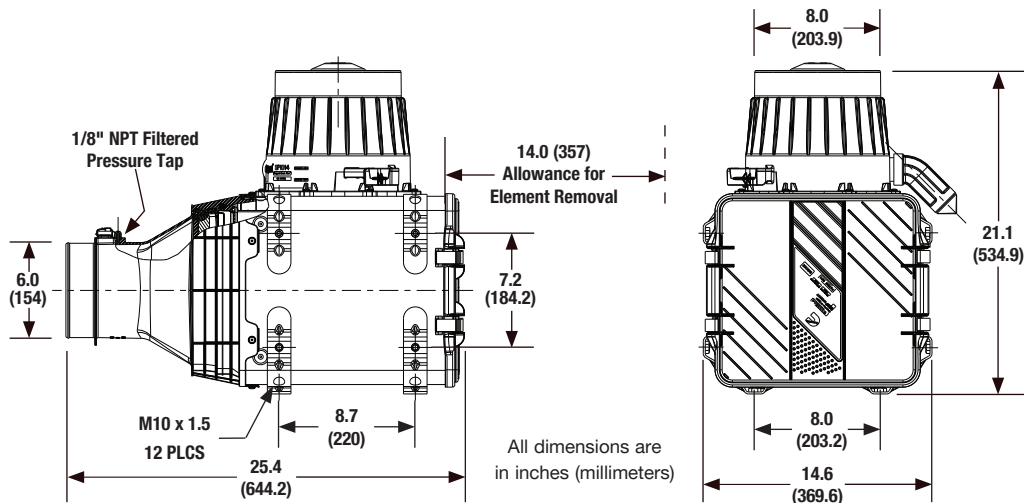
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	825*	23.4*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	380	10.8

\*Indicates maximum recommended flow rate

## Dimensions



## Ordering Information

Air Cleaners	
Part Number	Description
AK55722	Direct Flow - Side Inlet - Integrated Pre-Cleaner - With TBAP Sensor
AK55723	Direct Flow - Side Inlet - Integrated Pre-Cleaner - Without TBAP Sensor

Service Parts	
Part Number	Description
AF55015	Primary Element
AF55309	Secondary Element
SP1003	Front Service Cover
SP1048	Angled Dust Ejection Valve (DEV)
SP1014	Pre-Cleaner Assembly
SP1187	Service Cover Latches

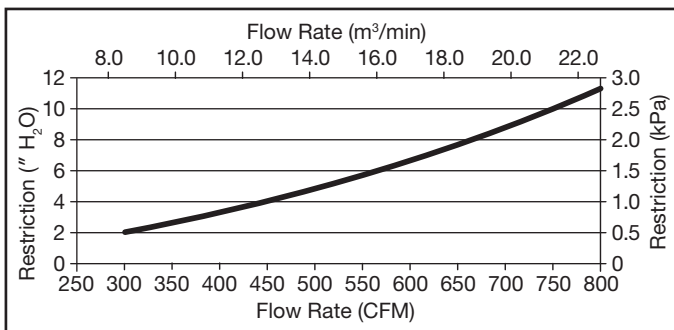
Optional Accessories	
Part Number	Description
3316658S	4" Band Clamp
3316660S	5" Band Clamp
3316662S	6" Band Clamp
3316608S	4" Hump Hose
3316610S	5" Hump Hose
3316612S	6" Hump Hose
3316568S	4" 90° Elbow
3316570S	5" 90° Elbow
3316573S	6" 90° Elbow
3316589S	6" to 5" Reducing Elbow
3316618S	5" to 4" Hump Hose Reducer
3316621S	6" to 5" Hump Hose Reducer
3946466S	Weather Hood
3905161S	Restriction Indicator

TBAP -Temperature and Barometric Air Pressure

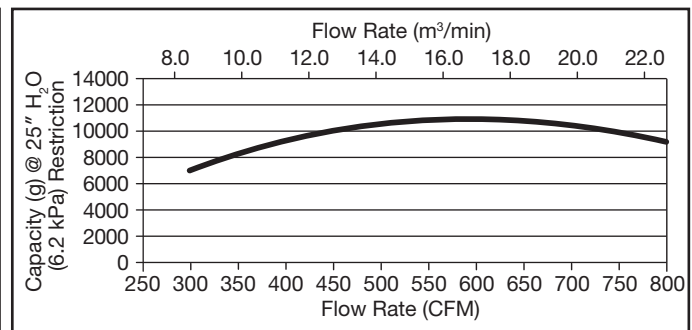
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate

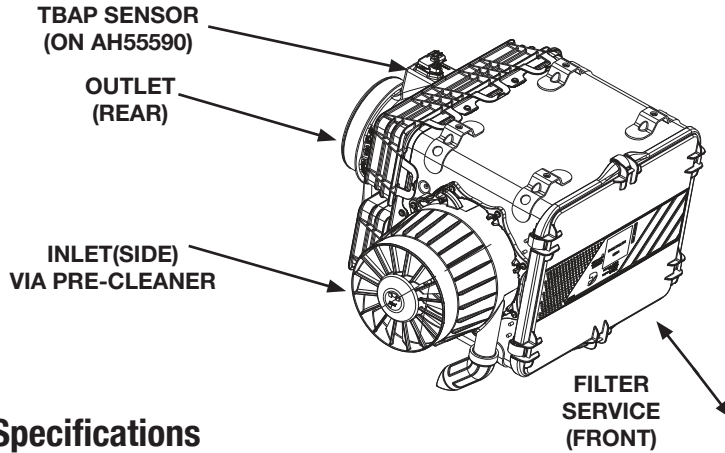


### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction
in H <sub>2</sub> O	kPa	CFM	m³/min	Non-Aspirated (g)
4	1.0	450	12.7	10000
6	1.5	560	15.9	10500
8	2.0	670	19.0	10800
10	2.5	750	21.2	10000
12	3.0	825	23.4	8800

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011



## Specifications

Specification	AH55590 - AH55672
Length, Overall	21.6" (548.3 mm)
Width, Overall	26.1" (663.4 mm)
Height, Overall	15.6" (397.0 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	340 CFM (9.6 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	950 CFM (26.9 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	Yes
Inlet	Via Pre-Cleaner, 8" (203.0 mm)
Outlet	Straight, 7.0" (177.8 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

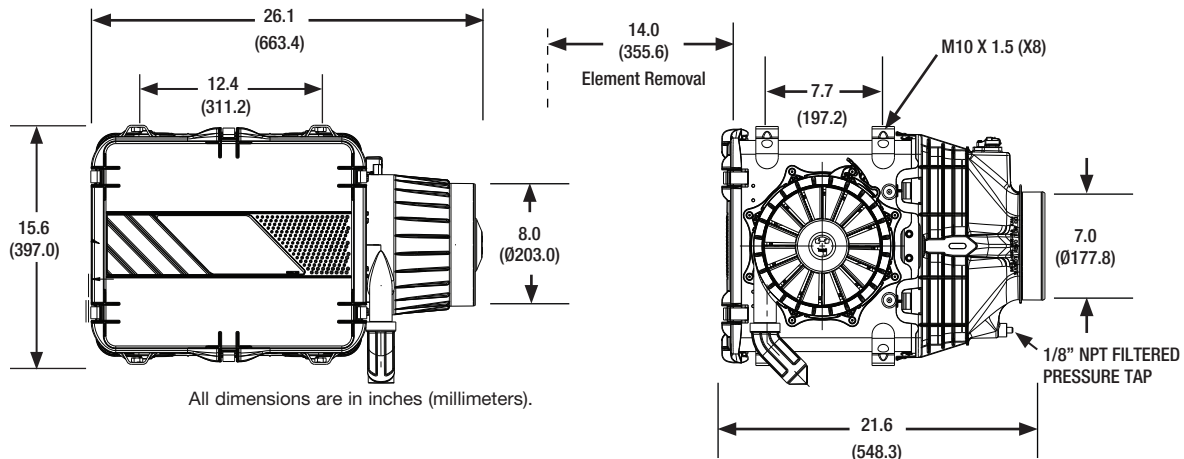
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	950*	26.9*	950*	26.9*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	925	26.2	825	23.4

\* Indicates maximum recommended flow rate .

## Dimensions



All dimensions are in inches (millimeters).

## Ordering Information

Air Cleaners	
Part Number	Description
AH55590	Direct Flow - Integrated Pre-Cleaner - Short Side Inlet - With TBAP Sensor
AH55672	Direct Flow - Integrated Pre-Cleaner - Short Side Inlet - Without TBAP Sensor

TBAP -Temperature and Barometric Air Pressure

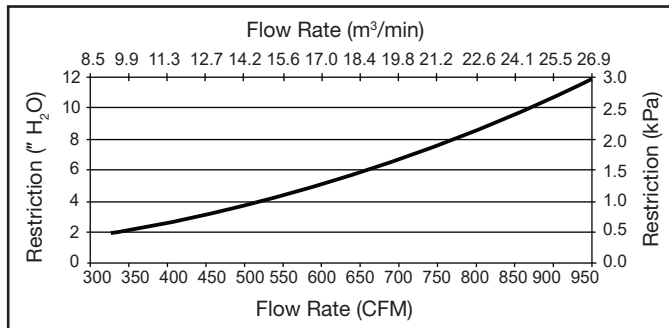
Service Parts	
Part Number	Description
AF55014	Primary Element (2 REQ)
AF55308	Secondary Element (2 REQ)
SP1013	Service Cover
SP1014	Pre-Cleaner with DEV
SP1048	Dust Ejection Valve (DEV)
SP1187	Service Cover Latches

Optional Accessories	
Part Number	Description
3316663S	7" Band Clamp
3316613S	7" Hump Hose
3316586S	7" 45° Elbow
3316576S	7" 90° Elbow
3316624S	7" to 6" Hump Hose Reducer
3316593S	7" to 5.5" 90° Reducing Elbow
3316591S	7" to 5" 90° Reducing Elbow
3946329S	Restriction Indicator

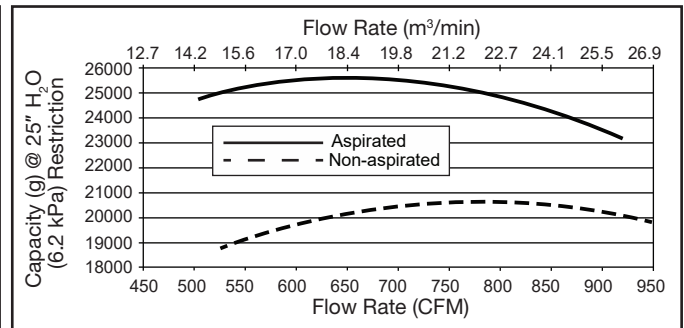
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



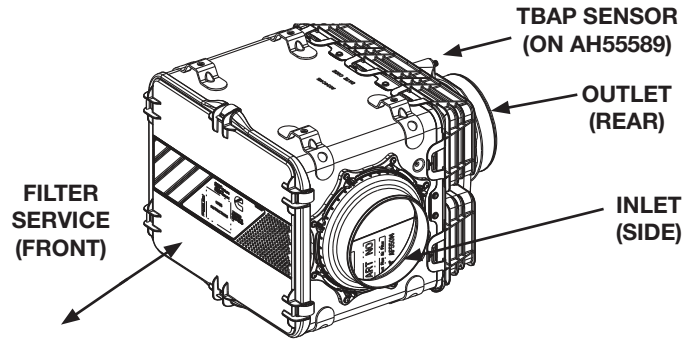
### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	575	16.3	25000	18900
6	1.5	660	18.7	25800	20100
8	2.0	770	21.8	25100	20700
10	2.5	870	24.6	23900	20500
12	3.0	950	26.9	22500	19900

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011





## Specifications

Specification	AH55589 - AH55673
Length, Overall	21.6" (548.3 mm)
Width, Overall	15.6" (397.0 mm)
Height, Overall	20.3" (516.4 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	450.0 CFM (12.7 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	1225 CFM (34.7 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	No
Inlet	Straight 7.0" (177.8 mm)
Outlet	Straight 7.0" (177.8 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

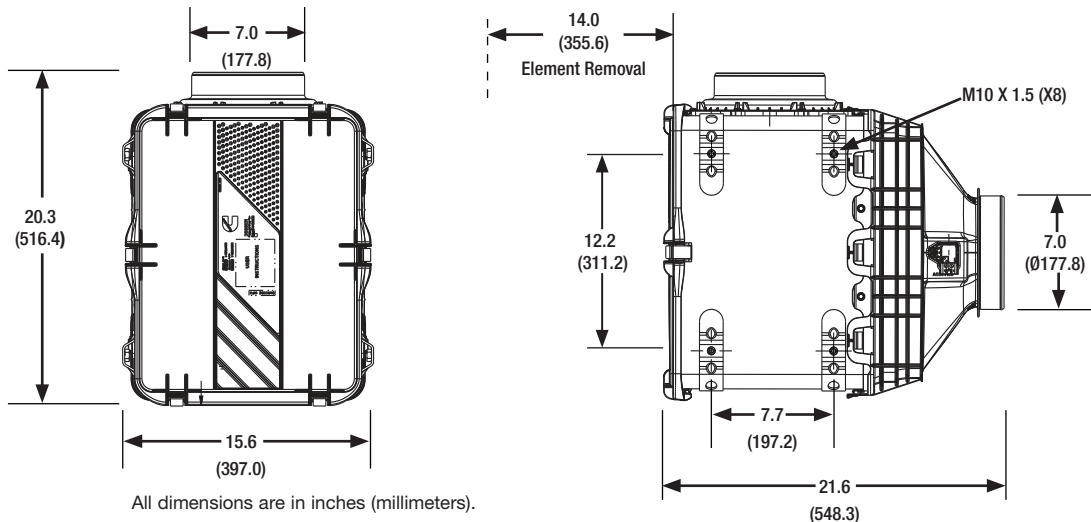
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	520	14.7
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	N/A	N/A

## Dimensions

\* Indicates maximum recommended flow rate



## Ordering Information

Air Cleaners	
Part Number	Description
AH55589	Direct Flow - Short Side Inlet - With TBAP Sensor
AH55673	Direct Flow - Short Side Inlet - Without TBAP Sensor

TBAP -Temperature and Barometric Air Pressure

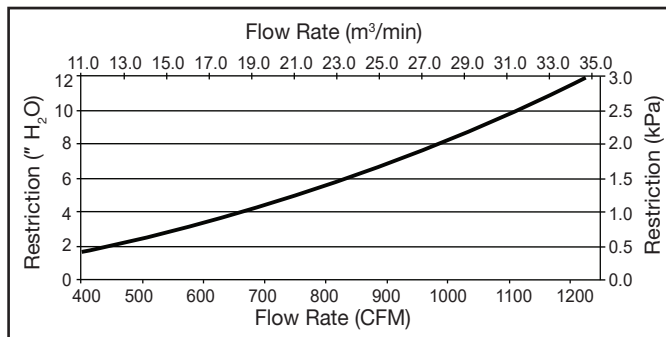
Service Parts	
Part Number	Description
AF55014	Primary Element (2 REQ)
AF55308	Secondary Element (2 REQ)
SP1013	Service Cover
SP1187	Service Cover Latches
SP1048	Dust Ejection Valve (DEV)

Optional Accessories	
Part Number	Description
3316663S	7" Band Clamp
3316613S	7" Hump Hose
3316586S	7" 45° Elbow
3316576S	7" 90° Elbow
3316624S	7" to 6" Hump Hose Reducer
3316593S	7" to 5.5" 90° Reducing Elbow
3316591S	7" to 5" 90° Reducing Elbow
3946329S	Restriction Indicator

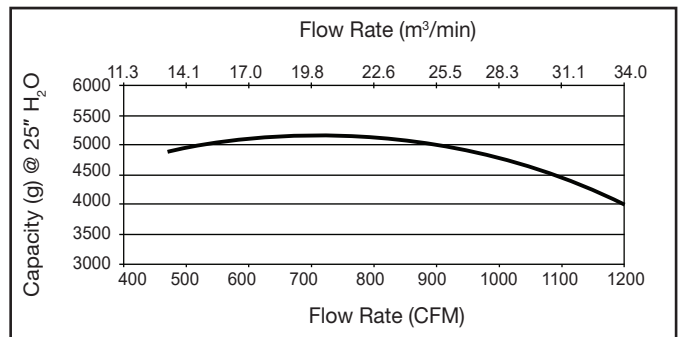
Additional sizes/shapes may be available. Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate

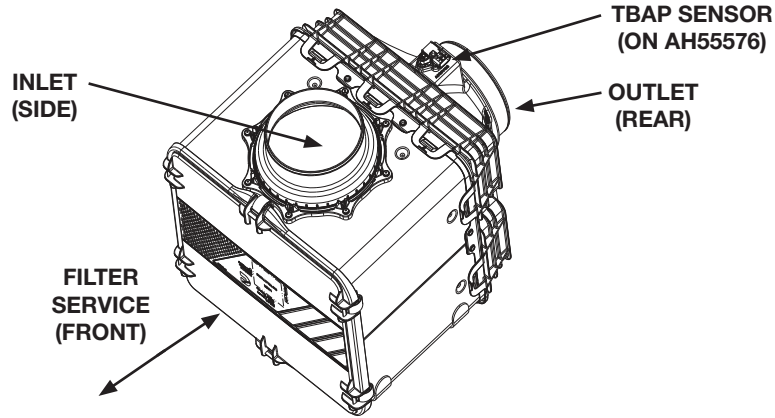


### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction
in H <sub>2</sub> O	kPa	CFM	m³/min	Non Aspirated (g)
4	1.0	660	18.7	5200
6	1.5	840	23.8	5100
8	2.0	980	27.8	4900
10	2.5	1110	31.4	4400
12	3.0	1225	34.7	3900

ISO Fine Dust  
1.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011



## Specifications

Specification	AH55576 - AH55674
Length, Overall	21.6" (548.3 mm)
Width, Overall	17.4" (441.2 mm)
Height, Overall	18.4" (466.5 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	425 CFM (12.0 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	1190 CFM (33.7 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide / Metal
Pre-Cleaner	No
Inlet	Straight 7.0" (177.8 mm)
Outlet	Straight 7.1" (179.4 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

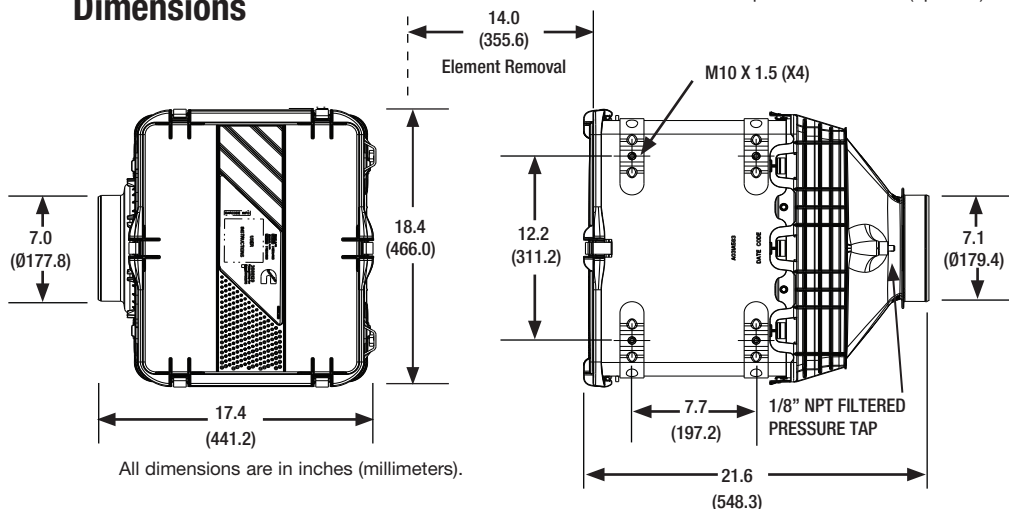
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Non Aspirated	
	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	600	16.8
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	N/A*	N/A*

\* Requires Pre-Cleaner (optional).

## Dimensions



## Ordering Information

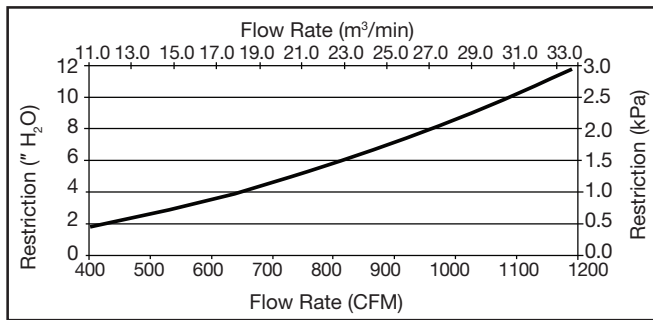
Air Cleaners		Service Parts		Optional Accessories	
Part Number	Description	Part Number	Description	Part Number	Description
AH55576	Direct Flow - Long Side Inlet - With TBAP Sensor	AF55014	Primary Element (2 REQ)	3316663S	7" Band Clamp
		AF55308	Secondary Element (2 REQ)	3316613S	7" Hump Hose
AH55674	Direct Flow - Long Side Inlet - Without TBAP Sensor	SP1013	Service Cover	3316586S	7" 45° Elbow
		SP1187	Service Cover Latches	3316576S	7" 90° Elbow
		SP1048	Dust Ejection Valve (DEV)	3316624S	7" to 6" Hump Hose Reducer
				3316593S	7" to 5.5" 90° Reducing Elbow
				3316591S	7" to 5" 90° Reducing Elbow
				3946329S	Restriction Indicator

TBAP -Temperature and Barometric Air Pressure

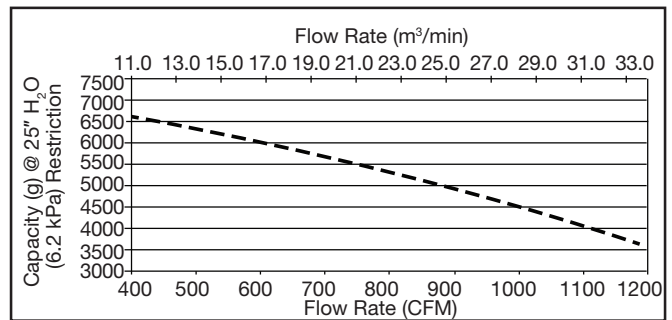
Additional sizes/shapes may be available.  
Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate

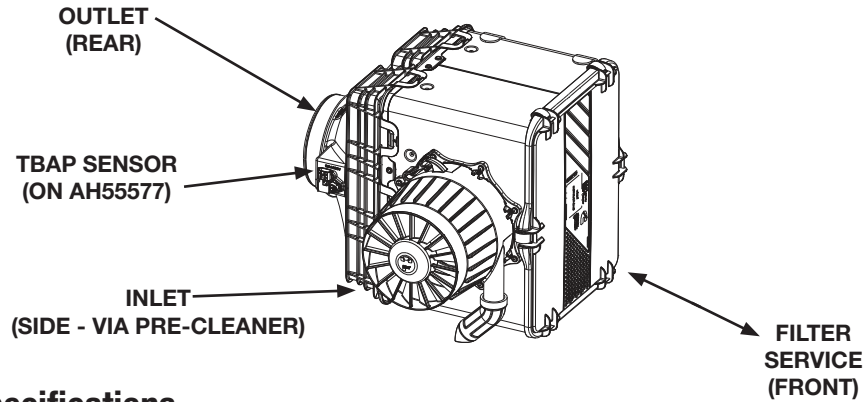


### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kpa) of Terminal Restriction
in H <sub>2</sub> O	kPa	CFM	m³/min	
4	1.0	640	18.1	5900
6	1.5	820	23.2	5300
8	2.0	950	26.9	4750
10	2.5	1080	30.6	4200
12	3.0	1190	33.7	3600

ISO Fine Dust  
1.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011



## Specifications

Specification	AH55577 - AH55675
Length, Overall	21.6" (548.3 mm)
Width, Overall	23.1" (588.2 mm)
Height, Overall	18.3" (466.5 mm)
Flow, Min. at 2" H <sub>2</sub> O (0.5 kPa) Restriction	325 CFM (9.2 m <sup>3</sup> /min)
Flow, Max. at 12" H <sub>2</sub> O (3.0 kPa) Restriction	950 CFM (26.9 m <sup>3</sup> /min)
Secondary Element	Yes
Housing Material	Glass-Filled Polyamide
Pre-Cleaner	Integral Radial Fin Type
Inlet	Via Pre-Cleaner, 8.0" (203.0 mm)
Outlet	Straight, 7.0" (177.8 mm)
Filter Efficiency	≥ 99.90% per ISO 5011

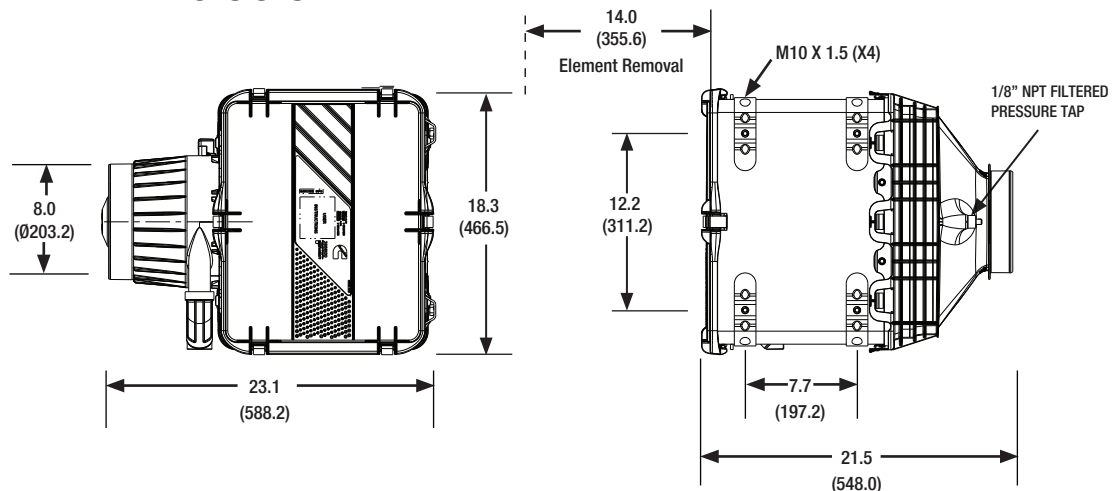
Specifications subject to change without notice.

## Dust Holding Capacity per Flow Rate

Specification	Aspirated		Non Aspirated	
	CFM	m <sup>3</sup> /min	CFM	m <sup>3</sup> /min
Maximum Flow for 10 g/CFM (3500 g/m <sup>3</sup> /min)	950*	26.9*	950*	26.9*
Maximum Flow for 25 g/CFM (8750 g/m <sup>3</sup> /min)	870	24.6	810	22.9

\*indicates maximum recommended flow rate.

## Dimensions



All dimensions are in inches (millimeters).

## Ordering Information

Air Cleaners	
Part Number	Description
AH55577	Direct Flow - Integrated Pre-Cleaner - Long Side Inlet - With TBAP Sensor
AH55675	Direct Flow - Integrated Pre-Cleaner - Long Side Inlet - Without TBAP Sensor

TBAP -Temperature and Barometric Air Pressure

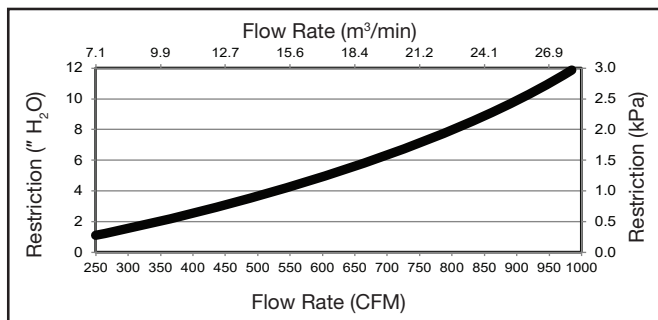
Service Parts	
Part Number	Description
AF55014	Primary Element (2 REQ)
AF55308	Secondary Element (2 REQ)
SP1013	Service Cover
SP1014	Pre-Cleaner With DEV
SP1048	Dust Ejection Valve (DEV)
SP1187	Service Cover Latches

Optional Accessories	
Part Number	Description
3316663S	7" Band Clamp
3316613S	7" Hump Hose
3316586S	7" 45° Elbow
3316576S	7" 90° Elbow
3316624S	7" to 6" Hump Hose Reducer
3316593S	7" to 5.5" 90° Reducing Elbow
3316591S	7" to 5" 90° Reducing Elbow
3946329S	Restriction Indicator

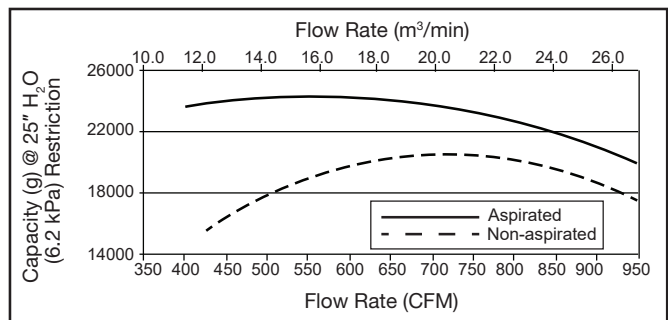
Additional sizes/shapes may be available. Refer to the Cummins Filtration catalog or website.

## Performance

### System Restriction vs Flow Rate



### System Capacity vs Flow Rate



Restriction		Flow Rate		Typical Capacity at 25" H <sub>2</sub> O (6.2 kPa) of Terminal Restriction	
in H <sub>2</sub> O	kPa	CFM	m³/min	Aspirated (g)	Non Aspirated (g)
4	1.0	525	14.9	24100	18300
6	1.5	655	18.6	24000	20100
8	2.0	770	21.8	23000	20400
10	2.5	860	24.4	21800	19500
12	3.0	950	26.9	19800	17500

ISO Coarse Dust  
2.0 g/m<sup>3</sup> Feed Rate  
25" H<sub>2</sub>O (6.2 kPa)  
Terminal Restriction  
per ISO 5011