



aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



WARNING: The products described in this catalog can expose you to chemicals including Diisononyl phthalate, Carbon black, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Crankcase Ventilation

Products and Custom Solutions



ENGINEERING YOUR SUCCESS.

Table of Contents

| | |
|---|-----|
| Closed Crankcase Ventilation (CCV)..... | 3-5 |
| Market Challenges and Overview..... | 3 |
| Features and Benefits..... | 4 |
| Product Specifications..... | 5 |
| Open Crankcase Ventilation (CV)..... | 6-7 |
| Features and Benefits..... | 6 |
| Product Specifications..... | 7 |
| CCV Part Numbering and Hose Kits..... | 8-9 |
| CCCV1500, CCV4500, and CCV6000..... | 8 |
| CCV8000 and CCV12000..... | 9 |
| CCV Hose and Fitting Kits..... | 9 |
| Marine Air Filter Series..... | 10 |
| 90° Hose Adapters..... | 10 |
| Hose Barbs..... | 10 |
| Bulk Hose Kits and Adapters..... | 10 |
| CCV8000 Conversion Kits..... | 11 |
| CCV Heater Kits..... | 11 |
| Electronic Remote Filter Gauge..... | 11 |
| Filter Gauge..... | 11 |
| Heavy-Duty Wear Spacers..... | 11 |
| Tap Sleeves..... | 11 |



Closed Crankcase Ventilation

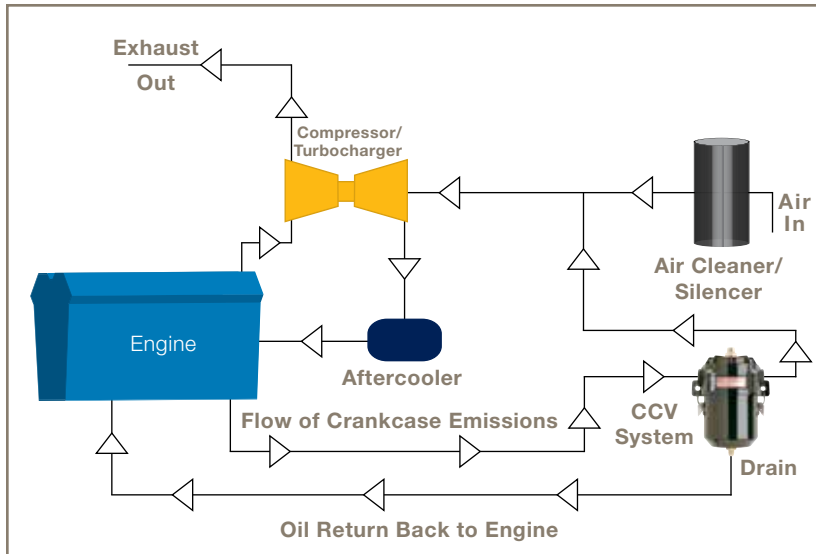
Market Challenges and Overview

The Problem - Engines Releasing Pollutants Through Unfiltered Breathers

Environmental concerns and legislation to control crankcase emissions have increased significantly. To further reduce the total emissions of engines, in some applications it is becoming necessary to close the crankcase breather system, routing these gases into the air intake system.

Crankcase blow-by is produced when combustion gases under high pressure are blown past the piston rings into the crankcase. As these blow-by gases pass through the crankcase, they become contaminated. Racor's Crankcase Ventilation System removes these contaminations. The exhaust can then be allowed to vent to the atmosphere.

For applications requiring more stringent emissions requirements, a closed crankcase filter is recommended. In this application, the exhaust from the crankcase filter is routed to the inlet side of the turbo. A regulator in the crankcase filter controls the vacuum in the crankcase to ensure proper operation.



CCV4500KIT01 is currently being used in many different front and rear engine configurations.



CCV4500 installed on a CAT engine.



- In closed environments like generator sets and marine engine rooms, damage to surrounding equipment such as radiators and electronic control panels can cause hazardous conditions, down time, and expensive maintenance.

- Oil mist will coat and contaminate the aftercooler and other engine components. This coating reduces engine cooling capacity, causes a degradation of engine performance and reliability over time, and shortens the useful service life of the engine components.

- The engine intake inhales contaminated gasses, clogging air filter systems, and damaging turbocharger components. It is imperative that oil mist be removed from the crankcase emissions prior to introduction into the engine air intake in closed breather systems.

Racor CCV Systems

In a robust, compact package, the patented Racor Closed Crankcase Ventilation (CCV) Filter System provides superior oil coalescence and crankcase pressure control under the most severe conditions.

The only routine maintenance required for the CCV system is filter replacement. Typical service life of the high-performance filter in diesel applications is 750 hours. Some variations in service life occur depending on load profile, engine wear condition, flow and aerosol mass concentration of crankcase emissions, and soot concentration.

How To Select A CCV Assembly:

CCV systems are designed to handle various crankcase flow rates up to 50 CFM. Traditionally, the crankcase flow rate can be calculated as follows: rated horsepower \div 40 = cubic feet per minute (CFM). This formula can only be used as a guide since recent improvements in piston design have produced engines with higher horsepower and lower blow-by flow rates. The blow-by flow rate of a worn engine, at time of overhaul, is generally double the flow rate when the engine is new. The flow rate of a worn engine is factored into the formula. Note: Specify left or right-hand inlet when ordering.

Examples:

CAT 3116
260 HP / 40 = 6.5 CFM
Select CCV4500

CAT 3406
525 HP / 40 = 13.13 CFM
Select CCV6000

Closed Crankcase Ventilation Features and Benefits



Pop-up style indicator alerts of bypass condition and need for filter change.

Unique crankcase pressure regulator with integral bypass valve minimizes variation in crankcase pressure. Excessive variation in crankcase pressure can damage seals, cause loss of oil, and other problems.

Choose left or right-hand inlet. Available with or without bypass indicator.

High-efficiency oil separation to 0.3 micron.

Stainless steel latches for tool-less element change.

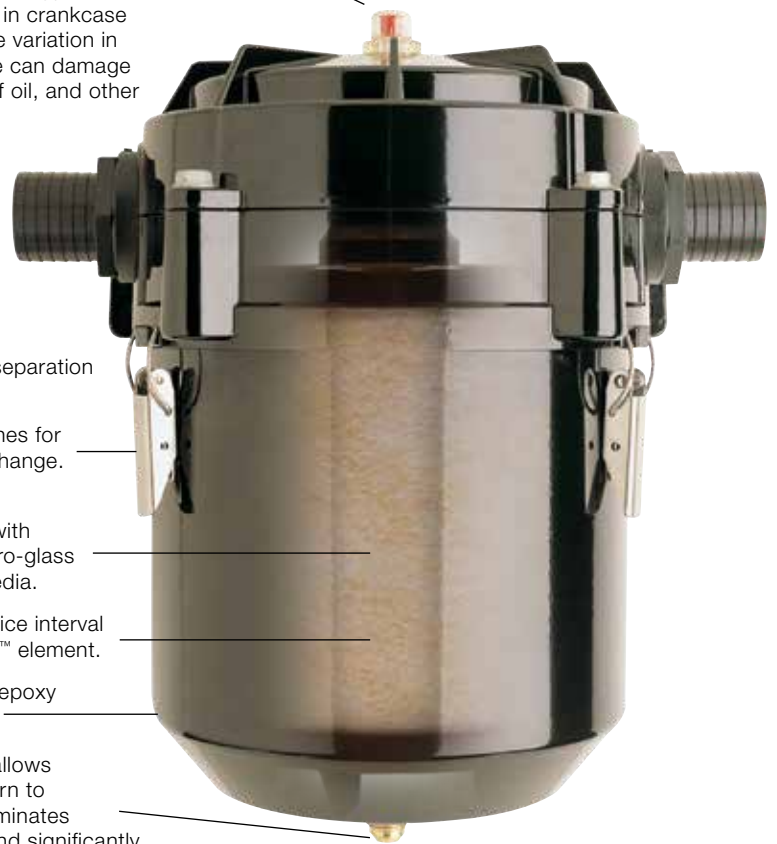
Replaceable high-performance filter with depth-loading, micro-glass fiber coalescing media.

Extended filter service interval from the Vaporbloc™ element.

Steel housing with epoxy powder coating.

Drain check valve allows collected oil to return to crankcase. This eliminates frequent draining and significantly reduces oil consumption.

Continuous operating temperature range is -40°F to +240°F (-40°C to 116°C).



Closed Crankcase Ventilation Specifications



| | CCV1500 | CCV4500 | CCV6000 | CCV8000 | CCV12000 |
|--|---|---|---|---|---|
| Maximum Flow Rate | 1 CFM (28 LM) | 10 CFM (283 LM) | 20 CFM (566 LM) | 40 CFM (1133 LM) | 50 CFM (1416 LM) |
| Maximum Engine Rating | 40 HP (30 KW) | 400 HP (298 KW) | 800 HP (597 KW) | 1600 HP (1193 KW) | 2000 HP (1491 KW) |
| Inlet/Outlet Port Size | 3/4" hose | 1 3/16"-12 STOR | 1 5/8"-12 STOR | 1 7/8"-12 STOR | 1 7/8"-12 STOR |
| Weight | 1.5 lbs (0.7 kg) | 3.3 lbs (1.5 kg) | 5.0 lbs (2.3 kg) | 8.7 lbs (3.9 kg) | 9.3 lbs (4.2 kg) |
| Replacement Filter Media Density: Low | CCV55365-04 | CCV55248-04 | N/A | N/A | N/A |
| Replacement Filter Media Density: High | N/A | CCV55248-08 | CCV55274-08 | CCV55222-08 | CCV55222-12-08 |
| Replacement Filter Media Density: Ultra | N/A | CCV55248-10 | CCV55274-10 | CCV55222-10 | CCV55222-12-10 |
| Housing Material | Glass-filled nylon and black powder epoxy-coated steel bracket. | Die cast head, glass-filled nylon and black powder epoxy-coated steel bowl. | Die cast head, glass-filled nylon and black powder epoxy-coated steel bowl. | Die cast head, glass-filled nylon and black powder epoxy-coated steel bowl. | Die cast head, glass-filled nylon and black powder epoxy-coated steel bowl. |
| Crankcase Pressure Regulator | Vacuum Limiting valve | Integral | Integral | Integral | Integral |
| Bypass/Change Indicator | N/A | Integral or Remote | Integral or Remote | Integral or Remote | Integral or Remote |
| Engine Block Check Valve Return Fitting | N/A | 1/4" NPT | 1/4" NPT | 3/8" NPT | 3/8" NPT |
| Swivel Fitting (Qty.) | N/A | #6 JIC (2 pcs.) | #6 JIC (2 pcs.) | #8 JIC (2 pcs.) | #8 JIC (2 pcs.) |
| Oil Drain Hose I.D. | N/A | 0.375 in. (0.95 cm) | 0.375 in. (0.95 cm) | 0.5 in. (1.27 cm) | 0.5 in. (1.27 cm) |

Units can be manifolded to handle higher flow rates. Do not use CCV1500 in continuous duty applications.

Racor CV Systems

In an open system, the crankcase breather is connected to the Crankcase Ventilation (CV) filter assembly. The CV outlet is open to atmosphere. This configuration is simple to install and is an effective oil mist removal system for applications which allow crankcase venting to atmosphere. There may be some visible blow-by gases present from the CV outlet.

The only routine maintenance required for the CV system is filter replacement. Typical service life of the high-performance filter in diesel applications is 750 hours. Some variations in service life occur depending on load profile, engine wear condition, flow and aerosol mass concentration of crankcase emissions, and soot concentration.

CV units are designed to handle various crankcase flow rates up to 50 CFM. Traditionally, the crankcase flow rate can be calculated as follows: $\text{rated horsepower} \div 20 = \text{cubic feet per minute (CFM)}$. This formula can only be used as a guide since recent improvements in piston design have produced engines with higher horsepower and lower blow-by flow rates. The blow-by flow rate of a worn engine, at time of overhaul, is generally double the flow rate when the engine is new. The flow rate of a worn engine is factored into the formula. Note: Specify left or right-hand inlet when ordering.

Open Crankcase Ventilation Features and Benefits

Choose left or right-hand inlet.

High-efficiency oil separation to 0.3 micron.

Stainless steel latches for tool-less filter change.

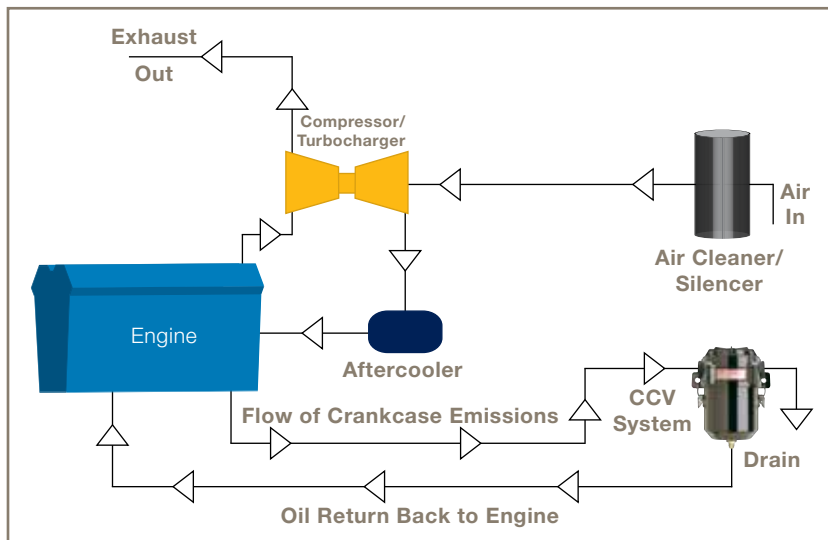
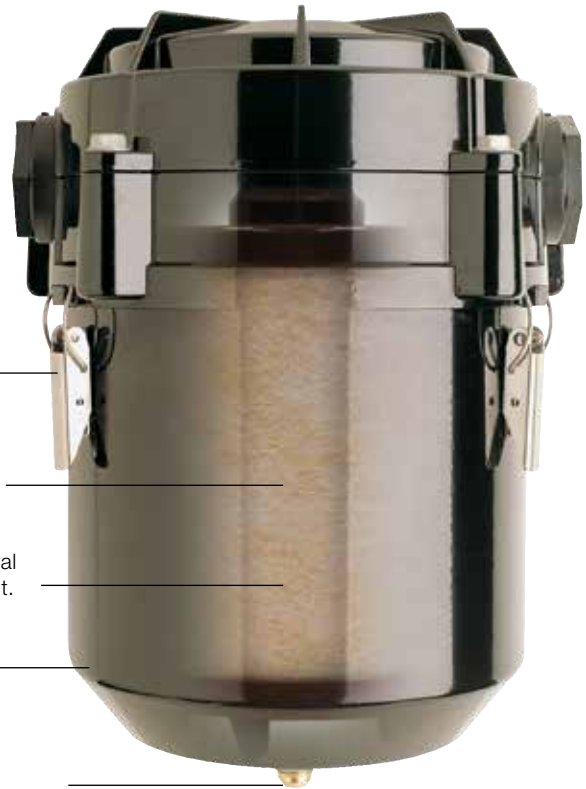
Replaceable high-performance filter with depth-loading, micro-glass fiber coalescing media.

Extended filter service interval from the Vaporbloc™ element.

Steel housing with epoxy powder coating.

Drain check valve allows collected oil to return to crankcase. This eliminates frequent draining and significantly reduces oil consumption.

Continuous operating temperature range is -40°F to +240°F (-40°C to 116°C).



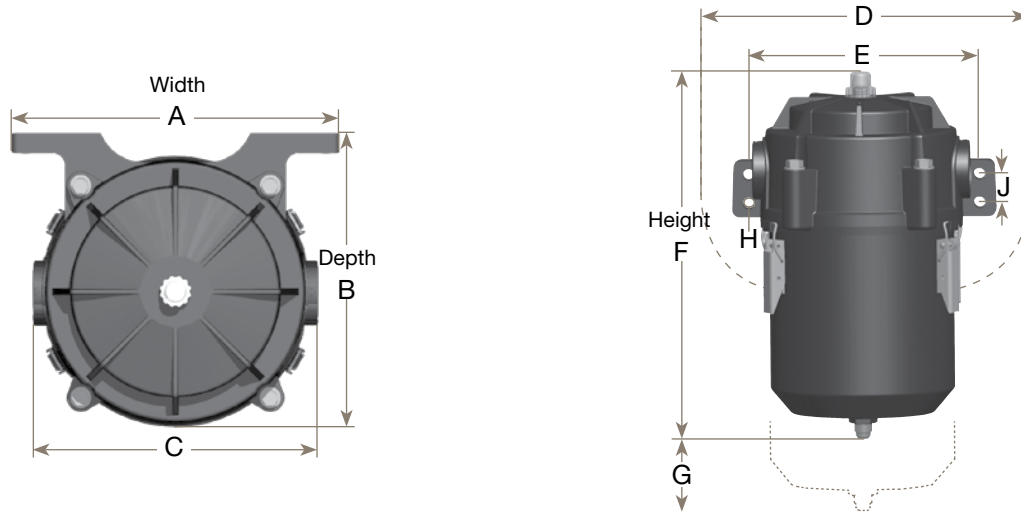
Open Crankcase Ventilation Specifications



| | CV4501 | CV6001 | CV8001 | CV12001 |
|---|---|---|---|---|
| Maximum Flow Rate | 10 CFM (283 LM) | 20 CFM (566 LM) | 40 CFM (1133 LM) | 50 CFM (1416 LM) |
| Inlet/Outlet Port Size | 1 3/16"-12 STOR | 1 5/8"-12 STOR | 1 7/8"-12 STOR | 1 7/8"-12 STOR |
| Weight | 3.3 lbs (1.5 kg) | 5.0 lbs (2.3 kg) | 8.7 lbs (3.9 kg) | 9.3 lbs (4.2 kg) |
| Replacement Filter Media Density: High | CCV55248-08 | CCV55274-08 | CCV55222-08 | CCV55222-12-08 |
| Housing Material | Die cast head, glass-filled nylon and black powder epoxy-coated steel bowl. | Die cast head, glass-filled nylon and black powder epoxy-coated steel bowl. | Die cast head, glass-filled nylon and black powder epoxy-coated steel bowl. | Die cast head, glass-filled nylon and black powder epoxy-coated steel bowl. |
| Engine Block Check Valve Return Fitting | 1/4" NPT | 1/4" NPT | 1/4" NPT | 3/8" NPT |
| Swivel Fitting (Qty.) | #6 JIC (2 pcs.) | #6 JIC (2 pcs.) | #8 JIC (2 pcs.) | #8 JIC (2 pcs.) |
| Oil Drain Hose I.D. | 0.375 in. (0.95 cm) | 0.375 in. (0.95 cm) | 0.5 in. (1.27 cm) | 0.5 in. (1.27 cm) |

Units can be manifolded to handle higher flow rates.

CCV and CV Dimensions



| Dimension | 1500 Series | | 4500 Series | | 6000 Series | | 8000 Series | | 12000 Series | |
|----------------------|-------------|------|-------------|------|-------------|------|-------------|------|--------------|------|
| | IN | CM | IN | CM | IN | CM | IN | CM | IN | CM |
| A | 8.0 | 20.3 | 7.2 | 18.3 | 8.6 | 21.8 | 10.6 | 26.9 | 10.6 | 26.9 |
| B | 5.0 | 12.7 | 5.6 | 14.2 | 7.3 | 18.5 | 9.3 | 23.6 | 9.3 | 23.6 |
| C | 3.6 | 9.1 | 5.6 | 14.2 | 7.1 | 18.0 | 9.1 | 23.1 | 9.1 | 23.1 |
| D | 8.2 | 20.8 | 7.5 | 19.1 | 11.3 | 28.7 | 13.3 | 33.8 | 13.3 | 33.8 |
| E | 7.0 | 17.8 | 6.0 | 15.2 | 7.5 | 19.1 | 9.5 | 24.1 | 9.5 | 24.1 |
| F¹ | 5.0 | 12.7 | 9.3 | 23.6 | 12.0 | 30.5 | 13.9 | 35.3 | 18.0 | 45.7 |
| G² | 6.0 | 15.2 | 2.3 | 5.7 | 4.0 | 10.1 | 5.0 | 12.7 | 6.0 | 15.2 |
| H | 0.38 | 0.97 | 0.43 | 1.09 | 0.37 | 0.94 | 0.43 | 1.09 | 0.43 | 1.09 |
| J³ | N/A | N/A | N/A | N/A | 0.93 | 2.4 | 1.06 | 2.7 | 1.06 | 2.7 |

¹ Dimension "F" is 0.75" less for CV Systems.

² Dimension "G" is the minimum filter removal clearance - allow more room if possible for ease of service. CCV1500 Series filters are serviced from top.

³ Dimension "J" is not applicable on CCV1500 and 4500 assemblies because there are only two (2) mounting holes. All other units have four (4) mounting holes.

CCV™ Assemblies

CCV1500 Series – Maximum Flow 1 CFM

| Part Number | Description | Inlet Side | Media Density | Inlet/Outlet Port Size | Check Valve | Swivel Fitting (Qty.) | Drain Hose I.D. |
|-------------|--------------------|------------|---------------|------------------------|-------------|-----------------------|-----------------|
| CCV1500-04 | Intermittent | N/A | Low | 3/4" Hose Bead | N/A | N/A | 1/2" |
| CCV55365-04 | Replacement Filter | N/A | Low | N/A | N/A | N/A | N/A |

CCV4500 Series – Maximum Flow 10 CFM

| Part Number | Description | Inlet Side | Media Density | Inlet/Outlet Thread Size | Check Valve | Swivel Fitting (Qty.) | Hose I.D. (Qty.) |
|----------------------------|---------------------|---------------|---------------|--------------------------|-------------|-----------------------|------------------|
| CCV4500-08L CCV4500-08R | Bypass Assembly | Left Right | High | 1-3/16"-12 SAE | 1/4" NPT | #6 JIC (2 pcs.) | 3/8" (3 ft.) |
| CCV4501-08L CCV4501-08R | Non-Bypass Assembly | Left Right | High | 1-3/16"-12 SAE | 1/4" NPT | #6 JIC (2 pcs.) | 3/8" (3 ft.) |
| CCV4500-10L CCV4500-10R | Bypass Assembly | Left Right | Ultra | 1-3/16"-12 SAE | 1/4" NPT | #6 JIC (2 pcs.) | 3/8" (3 ft.) |
| CCV4501-10L CCV4501-10R | Non-Bypass Assembly | Left Right | Ultra | 1-3/16"-12 SAE | 1/4" NPT | #6 JIC (2 pcs.) | 3/8" (3 ft.) |
| CCV55248-08 CCV55248-10 | Replacement Filter | N/A | High Ultra | N/A | N/A | N/A | N/A |

CCV6000 Series – Maximum Flow 20 CFM

| Part Number | Description | Inlet Side | Media Density | Inlet/Outlet Thread Size | Check Valve | Swivel Fitting (Qty.) | Hose I.D. (Qty.) |
|----------------------------|---------------------|---------------|---------------|--------------------------|-------------|-----------------------|------------------|
| CCV6000-08L CCV6000-08R | Bypass Assembly | Left Right | High | 1-5/8"-12 SAE | 1/4" NPT | #6 JIC (2 pcs.) | 3/8" (3 ft.) |
| CCV6001-08L CCV6001-08R | Non-Bypass Assembly | Left Right | High | 1-5/8"-12 SAE | 1/4" NPT | #6 JIC (2 pcs.) | 3/8" (3 ft.) |
| CCV6000-10L CCV6000-10R | Bypass Assembly | Left Right | Ultra | 1-5/8"-12 SAE | 1/4" NPT | #6 JIC (2 pcs.) | 3/8" (3 ft.) |
| CCV6001-10L CCV6001-10R | Non-Bypass Assembly | Left Right | Ultra | 1-5/8"-12 SAE | 1/4" NPT | #6 JIC (2 pcs.) | 3/8" (3 ft.) |
| CCV55274-08 CCV55274-10 | Replacement Filter | N/A | High Ultra | N/A | N/A | N/A | N/A |



CCV™ Assemblies

CCV8000 Series – Maximum Flow 40 CFM

| Part Number | Description | Inlet Side | Media Density | Inlet/Outlet Thread Size | Check Valve | Swivel Fitting (Qty.) | Hose I.D. (Qty.) |
|----------------------------|---------------------|---------------|---------------|--------------------------|-------------|-----------------------|------------------|
| CCV8000-08L CCV8000-08R | Bypass Assembly | Left Right | High | 1-7/8"-12 SAE | 3/8" NPT | #8 JIC (2 pcs.) | 1/2" (3 ft.) |
| CCV8000-08L CCV8000-08R | Non-Bypass Assembly | Left Right | High | 1-7/8"-12 SAE | 3/8" NPT | #8 JIC (2 pcs.) | 1/2" (3 ft.) |
| CCV8000-10L CCV8000-10R | Bypass Assembly | Left Right | Ultra | 1-7/8"-12 SAE | 3/8" NPT | #8 JIC (2 pcs.) | 1/2" (3 ft.) |
| CCV8001-10L CCV8001-10R | Non-Bypass Assembly | Left Right | Ultra | 1-7/8"-12 SAE | 3/8" NPT | #8 JIC (2 pcs.) | 1/2" (3 ft.) |
| CCV55222-08 CCV55222-10 | Replacement Filter | N/A | High Ultra | N/A | N/A | N/A | N/A |

CCV12000 Series – Maximum Flow 50 CFM

| Part Number | Description | Inlet Side | Media Density | Inlet/Outlet Thread Size | Check Valve | Swivel Fitting (Qty.) | Hose I.D. (Qty.) |
|----------------------------------|---------------------|---------------|---------------|--------------------------|-------------|-----------------------|------------------|
| CCV12000-08L CCV12000-08R | Bypass Assembly | Left Right | High | 1-7/8"-12 SAE | 3/8" NPT | #8 JIC (2 pcs.) | 1/2" (3 ft.) |
| CCV12001-08L CCV12001-08R | Non-Bypass Assembly | Left Right | High | 1-7/8"-12 SAE | 3/8" NPT | #8 JIC (2 pcs.) | 1/2" (3 ft.) |
| CCV12000-10L CCV12000-10R | Bypass Assembly | Left Right | Ultra | 1-7/8"-12 SAE | 3/8" NPT | #8 JIC (2 pcs.) | 1/2" (3 ft.) |
| CCV12001-10L CCV12001-10R | Non-Bypass Assembly | Left Right | Ultra | 1-7/8"-12 SAE | 3/8" NPT | #8 JIC (2 pcs.) | 1/2" (3 ft.) |
| CCV55222-12-08 CCV55222-12-10 | Replacement Filter | N/A | High Ultra | N/A | N/A | N/A | N/A |

CCV Fitting/Hose Kits

CCV4500 Series Assemblies

| Part No. | Description |
|----------|---|
| CCV55024 | (1) 3/4" fitting, (1) 1" fitting, (1) 3/4" ID x 4 foot long hose, (1) 1" ID x 4 foot long hose, (4) clamps and (4) ties |
| CCV55025 | (2) 1" fittings, (1) 1" ID x 8 foot long hose, (4) clamps and (4) ties |
| CCV55037 | (1) 1-1/4" fitting, (1) 1" fitting, (1) 1-1/4" ID x 4 foot long hose, (1) 1" ID x 4 foot long hose, (4) clamps and (4) ties |
| CCV55038 | (1) 3/4" fitting, (1) 1" fitting, (1) 3/4" ID x 6 foot long hose, (1) 3/4" Tee fitting, (1) 1" ID x 4 foot long hose, (8) clamps and (8) ties |

CCV6000 Series Assemblies

| Part No. | Description |
|----------|---|
| CCV55046 | (2) 1-1/4" fittings, (1) 1-1/4" ID x 8 foot long hose, (4) clamps and (4) ties |
| CCV55047 | (2) 1-1/4" fittings, (1) 1-1/4" Tee fitting, (1) 1-1/4" ID x 10 foot long hose, (8) clamps and (8) ties |
| CCV55048 | (2) 1-1/4" fittings, (1) 1-1/2" ID x 4 foot long hose, (1) bushing reducer, (1) 1-1/4" ID x 4 foot long hose, (4) clamps and (4) ties |
| CCV55049 | (2) 1-1/4" fittings, (1) 1-1/2" ID x 5 foot long hose w/2" cuff, (1) bushing reducer, (1) 1-1/4" ID x 4 foot long hose, (4) clamps and (4) ties |

CCV8000 and CCV12000 Series Assemblies

| Part No. | Description |
|----------|---|
| CCV55067 | (2) 1-1/2" fittings, (1) 1-1/2" ID x 10 foot long hose, (1) bushing reducer, (4) clamps and (4) ties |
| CCV55068 | (2) 1-1/2" fittings, (1) 1-1/2" Tee fitting, (1) 1-1/2" ID x 12 foot long hose, (2) bushing reducers, (8) clamps and (8) ties |
| CCV55069 | (2) 1-1/2" fittings, (1) 1-1/2" ID x 5 foot long hose w/2" cuff, (1) bushing reducer, (1) 1-1/2" ID x 5 foot long hose, (4) clamps and (4) ties |

Hose and Fitting Kits

Hose and fitting kits include inlet and outlet fittings and enough hose for a typical installation of a CCV assembly. CCV assemblies require special fittings only available from Racor. In order to determine the correct hose and fitting kit, you need to know the quantity and outside diameter of the engine breather(s). Hose and fitting kits are available in various sizes and configurations.

Bulk Hose Kits

Drain Hoses

| Part Number | Push-Lok Hose Size |
|-------------|--------------------|
| CCV836-6-25 | 3/8 I.D., 25' Roll |
| CCV836-6-50 | 3/8 I.D., 50' Roll |
| CCV836-8-25 | 1/2 I.D., 25' Roll |
| CCV836-8-50 | 1/2 I.D., 50' Roll |

Inlet/Outlet Hose Kits

(available by the foot)

| Part Number | Corrugated Hose Size (I.D.) |
|-------------|-----------------------------|
| CV1034-01-C | 3/4" |
| CV1100-01-C | 1" |
| CV1114-01-C | 1 1/4" |
| CV1112-01-C | 1 1/2" |

Hump Hose Fittings

These are designed to be used with existing air cleaner to turbo rubber adapters.

| Part Number | Hose |
|-------------|-------|
| CCV55540 | 0.75" |
| CCV55113 | 1.0" |
| CCV55114 | 1.25" |
| CCV55115 | 1.5" |



Marine Air Filter Assemblies with Racor CCV™ Connector



The Racor Marine Air Filter and the Racor CCV can be connected to bring you effective air and crankcase filtration with one simple hose and clamp.

| Marine Air Filter Model | Replacement Filter Part Number | Outlet Diameter | Length | Hose Barb | Diameter |
|-------------------------|--------------------------------|-----------------|--------|-----------|----------|
| AF M408512 | AF M8040 | 4" | 12" | 1" | 8.5" |
| AF M501012 | AF M8050 | 5" | 12" | 1" | 10" |
| AF M601212 | AF M8060 | 6" | 12" | 1.25" | 12" |

All Marine Air Filters include Installation Instructions

Note: AF M601212 includes 1-1/4" x 1-1/2" Bushing (connects to 1-1/2" I.D. Hose)

CCV 90° Hose Adapters



| | |
|----------------|-------------|
| Part Number | CCV55121 |
| Use with Model | CCV6000 |
| Hose Size | 1-1/4" I.D. |

| | |
|----------------|-------------|
| Part Number | CCV55547-10 |
| Use with Model | CCV8000 |

| | |
|----------------|-------------|
| Part Number | CCV55547-02 |
| Use with Model | CCV4500 |

CCV Hose Barbs



| CCV Assembly | Hose Barb Part Number | Size |
|------------------|-----------------------|-------------|
| CCV4500 | CCV55251 | 0.75" |
| CCV4500 | CCV55250 | 1" |
| CCV4500 | CCV55280 | 1.25" |
| CCV6000 | CCV55089 | 0.75" |
| CCV6000 | CCV55268 | 1.25" |
| CCV6000 | CCV55121 | 1.25" (90°) |
| CCV6000 | CCV55267 | 1.5" |
| CCV8000/CCV12000 | CCV55218 | 1.5" |

CCV8000 Conversion Kits

The CCV55613-08 and CCV55613-10 allow the CCV8000 to be converted to a CCV12000. The CCV12000 series offers 60% additional media. The CCV12000 series is great for applications where extra capacity is desired and immediate engine accessibility is not available. It allows for increased efficiency and longer service intervals. Kit includes element, wear spacer, o-rings, and CCV12000 bowl.



| Part Number | Element |
|-------------|---------------|
| CCV55613-08 | High Density |
| CCV55613-10 | Ultra Density |

CCV Heater Kits



CCV heater kits are an optional accessory for engine applications operating in severe cold weather. Emulsion and/or ice deposits on the element and inside the canister develop when the air blast from the radiator cools the CCV assembly. The emulsions are created by water vapors condensing and combining with oil droplets in the cold air stream of the CCV system. This build-up can prematurely choke the filter and reduce filter life. The heater band and insulating sleeve are placed over the CCV canister and insulate the assembly to prevent the emulsion build-up. Reduced filter life can be avoided by installing a Racor CCV Heater Kit.

| CCV Assembly | Heater Kit Part Number |
|--------------|------------------------|
| CCV4500 | CCV55461 |
| CCV6000 | CCV55462 |
| CCV8000 | CCV55463 |

Kits include heater band and insulating sleeve only. CCV assembly sold separately.

Electronic Remote Filter Gauge



The CCV55615-01 electronic remote filter gauge features a green light that turns red at 8 inWc pressure indicating the need for filter changeout.

Remote Filter Gauge

Part Number: CCV55012
All Hardware Included



Heavy-Duty Wear Spacers



| CCV Unit | Spacer Number |
|----------|---------------|
| CCV4500 | CCV55390 |
| CCV6000 | CCV55385 |
| CCV8000 | CCV55374 |
| CCV12000 | CCV55374 |

Tap Sleeves



| Part No. | Size |
|----------|-----------------------------|
| | Diameter, Length, Hose Barb |
| CCV30100 | 3"(D), 5"(L), 1"(HB) |
| CCV40100 | 4"(D), 5"(L), 1"(HB) |
| CCV50125 | 5"(D), 6"(L), 1-1/4"(HB) |
| CCV60125 | 6"(D), 6"(L), 1-1/4"(HB) |

Note: CCV60125 includes 1 1/4" x 1 1/2" Bushing (connects to 1 1/2" ID Hose)

Worldwide Filtration Manufacturing Locations

North America

Compressed Air Treatment

Gas Separation & Filtration Division

Airtek/Finite/domnick hunter/Zander
Lancaster, NY
716 686 6400
www.parker.com/faf

Balston
Haverhill, MA
978 858 0505
www.parker.com/balston

Engine Filtration

Racor

Modesto, CA
209 521 7860
www.parker.com/racor

Holly Springs, MS
662 252 2656
www.parker.com/racor

Hydraulic Filtration

Hydraulic & Fuel Filtration

Metamora, OH
419 644 4311
www.parker.com/hydraulicfilter

Laval, QC Canada
450 629 9594
www.parkerfarr.com

Velcon
Colorado Springs, CO
719 531 5855
www.velcon.com

Process Filtration

domnick hunter Process Filtration SciLog

Oxnard, CA
805 604 3400
www.parker.com/processfiltration

Water Purification

Village Marine, Sea Recovery, Horizon Reverse Osmosis

Carson, CA
310 637 3400
www.parker.com/watermakers

Europe

Compressed Air Treatment

domnick hunter Filtration & Separation

Gateshead, England
+44 (0) 191 402 9000
www.parker.com/dhfns

Parker Gas Separations

Etten-Leur, Netherlands
+31 76 508 5300
www.parker.com/dhfns

Hiross Zander

Essen, Germany
+49 2054 9340
www.parker.com/hzfd

Padova, Italy
+39 049 9712 111
www.parker.com/hzfd

Engine Filtration & Water Purification

Racor

Dewsbury, England
+44 (0) 1924 487 000
www.parker.com/rfde

Racor Research & Development

Stuttgart, Germany
+49 (0)711 7071 290-10

Hydraulic Filtration

Hydraulic Filter

Arnhem, Holland
+31 26 3760376
www.parker.com/hfde

Ujala, Finland
+358 20 753 2500

Condition Monitoring Parker Kittiwake

West Sussex, England
+44 (0) 1903 731 470
www.kittiwake.com

Process Filtration

domnick hunter Process Filtration Parker Twin Filter BV

Birtley, England
+44 (0) 191 410 5121
www.parker.com/processfiltration

Asia Pacific

Australia

Castle Hill, Australia
+61 2 9634 7777
www.parker.com/australia

China

Shanghai, China
+86 21 5031 2525
www.parker.com/china

India

Chennai, India
+91 22 4391 0700
www.parker.com/india

Parker Fowler

Bangalore, India
+91 80 2783 6794
www.johnfowlerindia.com

Japan

Tokyo, Japan
+81 45 870 1522
www.parker.com/japan

Korea

Hwaseon-City
+82 31 359 0782
www.parker.com/korea

Singapore

Jurong Town, Singapore
+65 6887 6300
www.parker.com/singapore

Thailand

Bangkok, Thailand
+66 2186 7000
www.parker.com/thailand

Latin America

Parker Comercio Ltda. Filtration Division

Sao Paulo, Brazil
+55 12 4009 3500
www.parker.com/br

Pan American Division

Miami, FL
305 470 8800
www.parker.com/panam

Africa

Aeroporto Kempton Park, South Africa
+27 11 9610700
www.parker.com/africa



WARNING: The products described in this catalog can expose you to chemicals including Diisononyl phthalate, Carbon black, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Parker Hannifin Corporation
Filtration Group Global Headquarters
6035 Parkland Boulevard
Cleveland, OH 44124-4141
phone 216 896 3000
www.parker.com