

# Air Intake Separation Systems

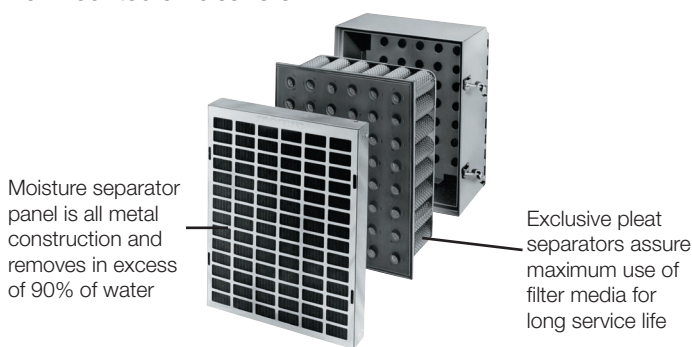


Mobile fire fighting equipment requires additional precautions be observed to protect the engine air intake system. Air filters operating in adverse conditions can plug up rapidly with a resulting loss of horsepower, and their inability to maintain RPM for pumps or generators. If embers are drawn

in through the air intake during operation, the resulting problems can be catastrophic. Hot embers may burn holes in the air filter — allowing dirt, sand, smoke and other particles to contaminate and shut down the engine, often beyond repair. Even worse, a burning air filter may lead to a major vehicle fire. Also, large amounts of free water in the cylinders can result in broken pistons or bent rods. The Racor Moisture Separators & Ember Separator Packs are specifically designed to reduce the risk of these events from occurring.

Racor Moisture Separators & Ember Separator Packs protect the downstream air filter from embers using a combination of unique flat and crimped metal screens constructed into a galvanized steel frame. This multi-layered screen design traps embers or allows them to burn out before passing through the pack, while creating only minimal air flow restriction through the system. Periodic cleaning or replacement of the screen is all that's required after installation.

## Pamic Moisture Separators- for external mounted air cleaners



Kit Number*	Moisture Separator <sup>1</sup>	Element Number	Flow Rate Range (CFM)	Hp Range	Height (In.)	Width (In.)
062701003	056519010	012233003	100 - 250	50 - 125	8.59	8.59
062701004	056519011	012233004	250 - 300	125 - 150	8.59	10.91
062701010	056519016	012233007	350 - 600	175 - 300	10.91	15.53
062701012	056519002	012233008	500 - 800	250 - 400	10.91	20.16
062701013	056519003	012233009	600 - 1,000	300 - 500	13.22	20.16
062701014	056519004	012233010	700 - 1,200	350 - 600	15.53	20.16
062701015	056519005	012233011	1,000 - 1,600	500 - 800	20.16	20.16
059709000	056519003 x2	012233009 x2	1,200 - 2,000	600 - 1,000	27.81	20.16
059711000	056519004 x2	012233010 x2	1,400 - 2,400	700 - 1,200	32.44	20.16
059713000	065619005 x2	012233011 x2	2,000 - 3,200	1,000 - 1,600	41.69	20.16

\* Nozzle or outlet not included. Must be ordered separately.  
<sup>1</sup>Additional sizes available. Contact Racor for more information.

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## Ember Separator Pack- for under hood mounted air cleaners



Part No.	Width	Height	Area (Sq. In.)
123970001	20"	8"	160
123970002	8.62"	7.94"	69
123970003	20"	5.5"	110
123970004	9"	20.75"	187
123970005	12"	9.5"	114
123970006	10.75"	9.25"	99.4
123970007	20.75"	11.25"	233.4
123970008	15"	4"	60
123970009	7.75"	7.75"	60
123970010	5.88"	20.6"	121.3
123970011	8"	9"	72
123970012	5.5"	16.25"	89.4
123970013	25"	3.5"	87.5
123970014	3.5"	12"	42
123970015	15.5"	8"	124
123970016	8.75"	23"	201.3
123970017	12.75"	5.34"	68
123970018	9.5"	5.34"	50.8
123970019	7"	16"	112
123970020	6.8"	11.88"	81.8
123970021	17.1"	11.35"	194
123970022	16.25"	5.5"	89.4
123970023	5.5"	10"	55
123970024	22"	4"	88
123970025	19"	16"	304
123970026	25.24"	4.4"	111.06
123970027	11.06"	5.31"	58.73
123970028	11.94"	3"	35.82

All Racor Ember Separators have a depth of 1".