

Model Illustrations



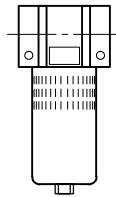
RAC3510



RAC5710



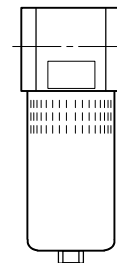
RAC51110



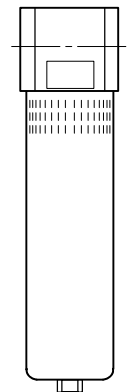
HP60077



HP60080



HP60083



HP60086

LOW PRESSURE SERIES

HIGH PRESSURE SERIES

2

Special Notes

1. Racor low pressure filters fit most standard filter heads in service. See available heads from Racor on the following pages.
2. Allow 2 inches of free space below each unit for element removal.
3. For additional information and availability, contact customer service: (800) 344-3286, 6 AM to 5 PM, Pacific Time.

Specifications

BASIC MODELS		RAC3510	RAC5710	RAC51110	HP60077	HP60080	HP60083	HP60086
Maximum Flow Rate	GPH LPH	900 3407	3000 11355	3000 11355	1200 4542	1200 4542	3000 11355	3000 11355
Filter Element	Cellulose Cartridge Microglass	RAC3510 NA	RAC5710 NA	RAC51110 NA	FC60078 FC60079	FC60081 FC60082	FC60084 FC60085	FC60087 FC60088
Center Threads		1"-12	1 1/2"-16	1 1/2"-16	NA	NA	NA	NA
Head Port Size ¹		NA	NA	NA	1 1/16"-12UN	1 1/16"-12UN	1 5/16"-12UN	1 5/16"-12UN
By-pass Setting	PSI	NA	NA	NA	25	25	25	25
Width (Diameter)	in./mm	(3.70/94)	(5.00/127)	(5.00/127)	4.00/102	4.00/102	4.50/114	4.50/114
Height	in./mm	5.50/140	7.00/178	11.00/280	7.7/195	11.4/291	10/254	14.3/363
Weight	Lbs./kgs.	1.3/0.6	2.3/1.0	3/1.4	3.5/1.6	4.6/2.1	6.4/2.9	8.7/3.9
Clean Pressure Drop @ Max.Flow	PSI bar	25 1.7	25 1.7	17 1.2	22 1.5	20 1.4	25 1.7	25 1.7
Maximum Allowable Working Pressure	PSI bar	175 12	175 12	175 12	3000 206	3000 206	3000 206	3000 206
Typical Beta Rating:								
(2/20) Cellulose uM		10/18	10/18	10/18	8/14	6/16	4/12	6/17
(2/20) Microglass uM		NA	NA	NA	2/5	2/6	2/6	3/7
Operating Temperature		- 40° / +225° F / - 40° / +107° C						

¹ SAE O-ring Boss Type (SAE J1926)

SPECIFICATIONS are found on Hydraulic Fluid Filters introduction page.

How to Order -The example below illustrates how the part numbers are constructed.

RAC57	10	
Maximum Pressure: 175 PSI/12.1 bar.	<u>Nominal</u>	Mounting Head Selection.
RAC35: 900 GPH / 3407 LPH (3.7" diameter x 5.5" long)	<u>Micron</u>	See the table below.
RAC57: 3000 GPH / 11355 LPH (5" diameter x 7" long)	<u>Rating</u>	RAC35 = Use type 1
RAC511: 3000 GPH / 11355 LPH (5" diameter x 11" long)	Specify:	RAC57 = Use type 2
	10 only	RAC5111 =Use type 2



Replacement Service Elements -Service elements include seal.

Service Element No.	Micron Rating	(Solids Capacity) Water / Dirt	Case Quantity
RAC3510	10	221ml / 12.2 grams	12
RAC5710	10	842ml / 47 grams	6
RAC51110	10	842ml / 47 grams	6

RAC51110 shown

Hydraulic Mounting Head Selection

Type 1
07500 Series

Type 2
12500 (L or R) Series
(IN HH12515L Shown)

Type 2
12500MP Series
(Multi-port head)

IN HG15LF Gauge
(Not to scale)

Part Number	Head Type	Port Sizes	Center Thread	By-pass Setting (PSID)	Filter Application	Case Quantity
Maximum flow rate for the heads below is 15 GPM / 900 GPH and up to 175 PSI / 12.1 bar.						
IN HH 07503	1	3/4"NPT	1"-12 UN	3	Use with 3510 filter	1
IN HH 07515	1	3/4"NPT	1"-12 UN	15		1
IN HH 07525	1	3/4"NPT	1"-12 UN	25		1
Maximum flow rate for the heads below is 50 GPM / 3000 GPH and up to 175 PSI / 12.1 bar.						
IN HH 12515 ¹	2	1 1/4"NPT	1 1/2"-16 UN	15	Use with 5710 and 51110 filters	1
IN HH 12525 ¹	2	1 1/4"NPT	1 1/2"-16 UN	25		1
IN HH 12515MP ²	2	1 1/4"NPT	1 1/2"-16 UN	15		1
IN HH 12525MP ²	2	1 1/4"NPT	1 1/2"-16 UN	25		1

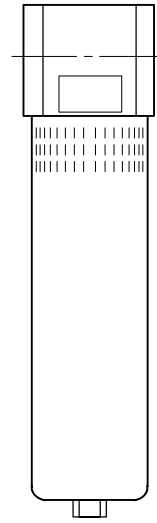
¹ Specify **L** or **R**. L provides the standard color-coded bar restriction gauge on the side of the head with the flow direction going to your *left*. R has the flow going to the *right*. See center head illustration, above.

² MP signifies a multi-port head. The multi-ports are for an optional in-head gauge, such as the IN HG15LF liquid filled, 1.5" diameter, compound pressure/vacuum gauge (1/8"NPT). See right illustration, above.

SPECIFICATIONS are found on Hydraulic Fluid Filters introduction page.

How to Order -The example below illustrates how the part numbers are constructed.

HP60086	C
Maximum Pressure: 3000 PSI/206 bar. HP60077: 1200 GPH / 4542 LPH HP60080: 1200 GPH / 4542 LPH HP60083: 3000 GPH / 11355 LPH HP60086: 3000 GPH / 11355 LPH	<u>Filter Element Media:</u> Specify one: C for Cellulose or M for Microglass



2

Replacement Service Elements -Service elements include seal.

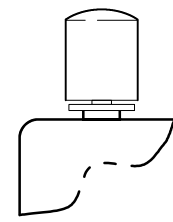
Model No.	Service Element No.	Micron Rating	(Beta Rating) Typical, 2/20	Case Quantity
HP60077C	FC60078	10	8 / 14	6
HP60077M	FC60079	10	2 / 5	6
HP60080C	FC60081	10	6 / 16	6
HP60080M	FC60082	10	2 / 6	6
HP60083C	FC60084	10	4 / 12	6
HP60083M	FC60085	10	2 / 6	6
HP60086C	FC60087	10	6 / 17	6
HP60086M	FC60088	10	3 / 7	6

HP60086 Shown

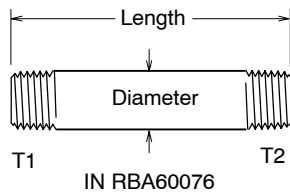
Reservoir Breather

Reservoir Breather & Adapters

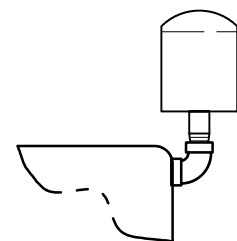
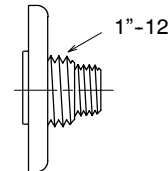
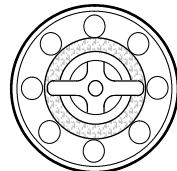
Breather Part Number	Center Threads	Breather Diameter	Breather Length	Recommended Adapter(s) See below	Case Qty.
RAC35RB	1"-12UN	3.00"	5.00"	IN RBA60076/ IN RBA3416	12



Replaces existing filler cap.



INRBA3416 End View. This adapter replaces the existing breather cap (or fill cap).



Typical installations mounted on side or top of reservoir

Adapter Part Number	Thread T1	Thread T2	Adapter Diameter	Adapter Length	Case Qty.
IN RBA60076	1"-12UN	3/4"NPT	1.05"	2.63"	1
IN HRBA3416	1"-12UN	Tank Cap	3.26"	1.27"	1