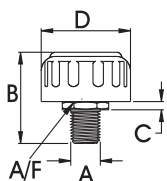




R350-02

R350-06

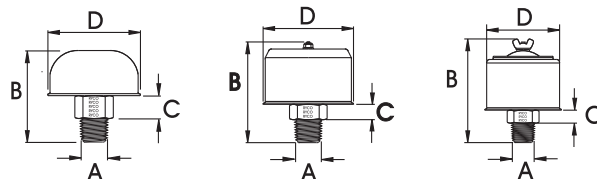
R355-06



R60

R362

R356/R358



### RECOMMENDED FOR:

RYCO R60 Series Air Breathers and R300 Series Air Breather Filters are designed for installation on the oil reservoir, to filter contaminants from the air as it leaves and enters the reservoir due to changes in oil level as the system operates.

### FEATURES:

- Sturdy, metal construction.
- Nominal air filtration ratings of 10, 27, 40 and 149 Micron depending on model. 10 and 27 Micron elements are cellulose, 40 and 149 Micron elements are foam plastic.
- BSP threads, except R67 which is UNO.

### TECHNICAL DATA

Five Series, two with replaceable elements.

1. **R350** Standard Air Breather.
2. **R355** Pressurised Air Breather, complete with 0,34 bar (5 psi) relief valve. Pressurised reservoirs can reduce the risk of oil contamination and can assist feed of oil to suction side of pump.
3. **R60** Domed Air Breather.
4. **R362** Standard Pleated Element Air Breather.
5. **R356 & R358** High Volume Pleated Element Air Breather.

### PART NUMBERS, SPECIFICATIONS AND DIMENSIONS

PART NUMBER	THREAD	NOMINAL FILTRATION	DIS-PLACEMENT	DIAMETER	OVERALL HEIGHT	CLEARANCE	A/F HEX	WEIGHT	REPLACEMENT ELEMENT
PART NO	A inch	MICRON	LPM	D mm	B mm	C mm	mm	kg	PART NO
R350-0210	1/4 BSPP	10	90	46	63	8	25	0,11	
R350-0240	1/4 BSPP	40	150	46	63	8	25	0,11	
R350-0610	3/4 BSPP	10	400	77	75	10	30	0,25	
R350-0640	3/4 BSPP	40	720	77	75	10	30	0,25	
R355-0240	1/4 BSPP	40	150	46	63	8	25	0,13	
R355-0610	3/4 BSPP	10	400	77	75	10	30	0,25	
R355-0640	3/4 BSPP	40	720	77	75	10	30	0,25	
R64	1/4 BSPT	149	150	63	56	12	17,6	0,10	
R62	3/8 BSPT	149	150	63	56	11	17,6	0,10	
R61	1/2 BSPT	149	150	63	62	13	22,3	0,13	
R60	3/4 BSPT	149	150	63	62	17	27	0,16	
R67	3/4 UNO	149	150	63	53	13	22,3	0,12	
R362-12	3/4 BSPT	27	1000	96	95	13	35	0,30	A245
R362-16	1 BSPT	27	1000	96	100	14	35	0,33	A245
R356-12	3/4 BSPT	27	1500	137	150	13	35	0,63	A5
R356-16	1 BSPT	27	1500	137	155	14	35	0,64	A5
R356-20	1.1/4 BSPT	27	1500	137	155	14	44,5	0,72	A5
R356-24	1.1/2 BSPT	27	1500	137	160	14	50,8	0,77	A5
R356-32	2 BSPT	27	1500	137	160	17	61,4	0,83	A5
R358-40	2.1/2 BSPP	10	4000	185	190	15	80	1,30	E358-40

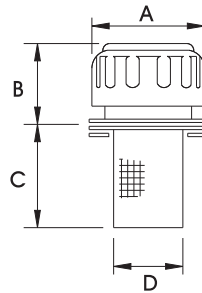
### MOUNTING OPTIONS

RYCO Air Breathers are installed on the top of the oil reservoir.  
BSPP threaded should be installed with **RL2I** Bonded Seal.

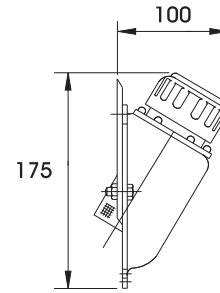
BSPT threaded should be installed with thread tape or thread sealant.



RFSB-05 & RFSB-25



RFSB-25BM



**RECOMMENDED FOR:**

**RYCO RFSB Series** Filler Cap/Strainer/Air Breathers are designed for installation on unpressurised oil reservoirs.

**RYCO RFSB-P Series** are available for pressurised tanks, complete with 0,34 bar (5 psi) relief valve. Pressurised reservoirs can reduce the risk of oil contamination and can assist feed of oil to suction side of pump.

Filler Cap/Strainer/Air Breathers perform three functions:

1. The Filler Cap, with its quarter turn to release bayonet attachment, allows quick access to add oil to the reservoir.
2. The mesh Strainer basket prevents large particles from entering the reservoir.
3. The Breather filters air as it leaves and enters the reservoir, to compensate for changes in oil level as the system operates.

**FEATURES:**

- Sturdy, all metal construction.
- Nominal air filtration ratings of 10 and 40 Micron depending on model.

- Two mounting styles:
  1. Round flange/screws for mounting on top of reservoir
  2. Square flange/bolts & nuts for mounting on side of reservoir.
- Gasket and mounting hardware supplied.
- Security Chain on Filler Cap. (**RFSB-25**)
- Strainer basket can be removed for cleaning by removing the mounting screws.

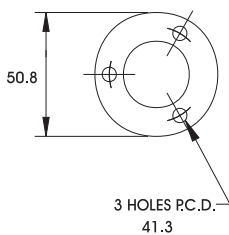
**TECHNICAL DATA**

- **Cap:** Chrome plated steel.
- **Basket:** Plated Steel woven mesh.
- **Flange/bayonet mount:** Plated steel.
- **Air Filtration Media:**  
40 Micron: foam plastic.  
10 Micron: cellulose, resin impregnated.
- **Gasket:** Cork.
- **Screws:** Plated steel.
- **Nuts and Bolts:** Black steel.
- **Security Chain:** Plated steel.

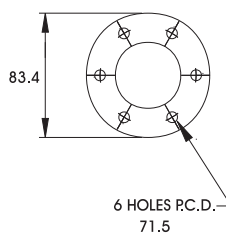
**PART NUMBERS, SPECIFICATIONS AND DIMENSIONS**

PART NUMBER	MOUNTING HOLES	NOMINAL FILTRATION	DIS-PLACEMENT	DIAMETER OF CAP	INSTALLED HEIGHT	STRAINER DEPTH	STRAINER DIAMETER	WEIGHT
<b>RFSB-0510</b>	3 x PCD 41,3	10	90	46	49	65	28	0,10
<b>RFSB-0540</b>	3 x PCD 41,3	40	150	46	49	65	28	0,10
<b>RFSB-2510</b>	6 x PCD 71,5	10	400	77	62	91	48	0,29
<b>RFSB-2540</b>	6 x PCD 71,5	40	720	77	62	91	48	0,29
<b>RFSB-2510P</b>	6 x PCD 71,5	10	400	77	62	91	48	0,33
<b>RFSB-2540P</b>	6 x PCD 71,5	40	720	77	62	91	48	0,33
<b>RFSB-2510BM</b>	6 x 101, 6SQ	10	400	77	175 x 100	91	48	0,76
<b>RFSB-2540BM</b>	6 x 101, 6SQ	40	720	77	175 x 100	91	48	0,76

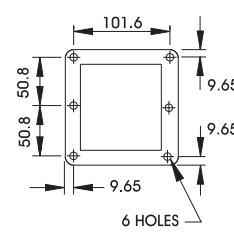
RFSB-05



RFSB-25



RFSB-25BM



**MOUNTING OPTIONS & MOUNTING INSTRUCTIONS**

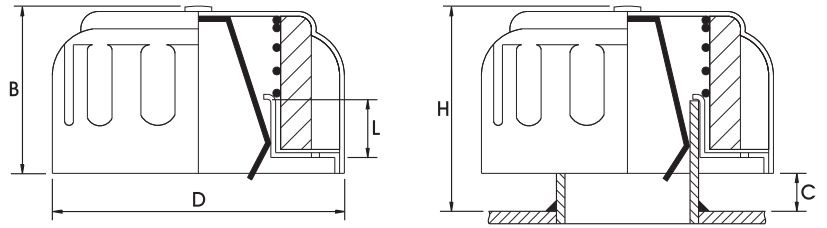
**RYCO RFSB-05** and **RFSB-25** Series Filler Cap/Strainer/Air Breathers are installed on the top of the oil reservoir.

**RFSB-05 Series:** Cut hole of 29 mm (1.142") diameter. Drill mounting holes 3 off 3,8 mm (0.15") diameter on 41,3 mm (1.626") P.C.D.

**RFSB-25 Series:** Cut hole of 50 mm (1.97") diameter. Drill mounting holes 6 off 3,8 mm (0.15") diameter on 71,5 mm (2.815") P.C.D.

**RYCO RFSB-25BM Series:** are installed on the vertical side of the oil reservoir.

Cut hole 75 mm wide x 105 mm high (2.95" x 4.13"). Drill mounting holes 6 off 7,0 mm (0.28") diameter as shown in diagram.



### RECOMMENDED FOR:

**RYCO R381-40** Push-On Filler Cap/Air Breathers are designed for installation on 1.1/2" Outside Diameter (38.1 mm) steel tubing, on the top of unpressurised oil reservoirs.

The internal spring steel clip grips the inside of the steel tubing, and allows quick access to the reservoir for adding oil. The Breather filters air as it enters and leaves the reservoir.

### FEATURES:

- Sturdy, all metal construction.
- Spring steel clip.
- Nominal air filtration rating of 40 micron.
- Positive stop, when tubing end meets raised locating flange inside body of **R381-40**, ensures correct installation.

### TECHNICAL DATA

- **Cap:** Chrome plated steel.
- **Clip:** Spring steel.
- **Air Filtration Media:** 40 micron nominal foam plastic.
- **Suitable steel tubing size:** 1.1/2" OD x maximum 10 Gauge (0.128") wall thickness (38.1 mm OD x 31.6 mm minimum ID).

**NOTE:** Do not use with smaller Outside Diameter tubing. Smaller tubing may enter past the raised locating flange inside the **R381-40**, reducing the air flow through the breather, and may cause damage to the spring steel clip. Do not use with 1.1/2" Outside Diameter steel tubing of more than 10 Gauge (0.128") wall thickness, this may cause damage to the spring steel clip.

### DIMENSIONS

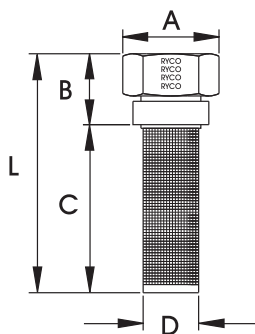
PART NUMBER	DIAMETER OF CAP	OVERALL HEIGHT	TUBING SOCKET DEPTH	MINIMUM RECOM. CLEARANCE	MINIMUM INSTALLED HEIGHT	WEIGHT
PART NO <b>R381-40</b>	D mm 78	B mm 52	L mm 17	C mm 10	H mm 62	kg 0,25

### MOUNTING INSTRUCTIONS

Weld steel tubing to reservoir. Minimum length of tubing is 33 mm (1.3") to allow 10 mm (0.4") Minimum Recommended Clearance for air to enter underneath.

Push **R381-40** onto the tubing, ensuring that both ends of the spring steel clip are inside the tubing, until the internal raised flange locates against the end of the tubing.

# R365 Filler Strainer



### RECOMMENDED FOR:

**RYCO R365** Filler Strainer is designed for installation on the top of oil reservoirs. The collar is welded to the reservoir, and the steel mesh basket locates into the collar and is secured by the cap. The basket strains large particles, and can be removed for cleaning.

### FEATURES:

- Plated steel mesh basket.
- Heavy hexagon steel cap, threaded 2" BSPP.
- Synthetic rubber O Ring inside cap seals when cap is screwed on to tank collar fitting.
- Weld-on collar fitting for tank.

### DIMENSIONS

PART NUMBER	DIAMETER OF CAP	INSTALLED HEIGHT	STRAINER DEPTH	STRAINER DIAMETER	OVERALL HEIGHT	WEIGHT
PART NO <b>R365</b>	A mm 66,5 A/F	B mm 42	C mm 140	D mm 50	L mm 182	kg 0,50

### MOUNTING INSTRUCTIONS

Cut hole of 55mm (2.16") diameter. Insert collar into hole, and weld around collar. Then install basket and cap.