

### RECOMMENDED FOR:

**RYCO RD Series Diffusers** are designed to be installed on the return line, inside the oil reservoir, below the level of the oil. They minimise turbulence and foaming of the oil and help to reduce reservoir noise. They can prevent cavitation caused by flow disturbance at the pump inlet. The discharge velocity is reduced in two stages; as the oil passes through the holes in the inner baffle tube, and then the holes in the outer baffle tube located 180° opposite the inner baffle tube holes.

### FEATURES:

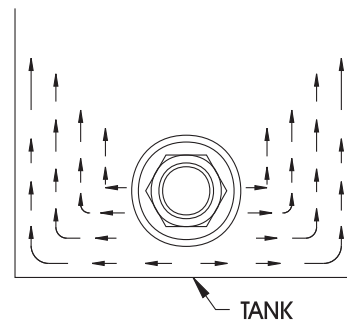
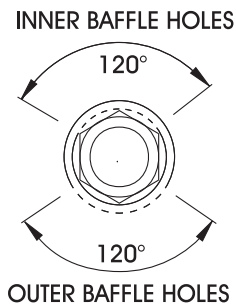
- Sturdy, all metal construction, continuous epoxy bonded.
- BSPP threads.

### TECHNICAL DATA

- **Threaded Cap:** Diecast aluminium.
- **End Cap:** Plated steel.
- **Baffle Tubes:** Plated steel.
- **Operating Temperature:** 85°C (185°F) maximum continuous working temperature.
- **Fluid Compatibility:** Mineral/petroleum based hydraulic oils, may also be used with lubricants and coolants.
- **Nominal Flow Rates:** Flow rates shown below are for 30 centistoke viscosity oil. If oil of other than 30 centistoke viscosity is used, flow rates will vary. See pages 386 and 387 for "Effect of Temperature and Viscosity on Flow Rate and Pressure Drop".
- **Pressure Drop:** At Flow rates shown below, for 30 centistoke viscosity oil is, 0,03 to 0,04 bar (0.44 to 0.58 psi).

### PART NUMBERS, SPECIFICATIONS AND DIMENSIONS

PART NUMBER	PORT BSPP	NOMINAL FLOW	LENGTH	OVERALL LENGTH	DIAMETER	WEIGHT
PART NO	A inch	LPM	B mm	L mm	D mm	kg
RD-06	3/4	50	105	120	64	0,34
RD-08	1	100	110	125	86	0,38
RD-12	1.1/2	200	160	175	86	0,50
RD-16	2	400	185	200	100	0,70



### MOUNTING INSTRUCTIONS

**RYCO RD Series Diffusers** are installed inside the oil reservoir, below the level of the oil and preferably in the lower third of the reservoir. They should be installed at the opposite end of the reservoir to the oil suction line, to allow the oil to cool, settle and de-aerate as much as possible before it returns to

the pump. The holes in the outer baffle tube must discharge downwards; or if installed vertically, the discharge holes must face the opposite direction to the suction line.