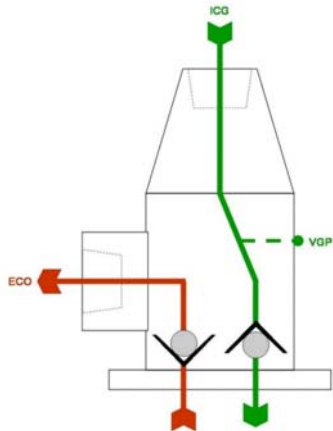


The OILMISER™ Reservoir Aspirator

The **OILMISER™ Reservoir Aspirator (ORA)** addresses two basic issues that affect hydraulic reservoirs.

1. Outside air enters the reservoir through the air breather, whenever the fluid level in the tank falls.
 2. Internal fumes and gasses exhaust through the air breather, whenever the fluid level in the tank rises.
- The problem is compounded when these reservoirs are located in confined machinery rooms and poorly ventilated work areas.



The **OILMISER™ Reservoir Aspirator** has two independent and unidirectional flow passageways in one body. The vertical airway is called the Inflow Control Gate (ICG). The second passageway is called the Exhaust Control Outlet (ECO) port.

The Inflow Control Gate allows air to enter the reservoir through the tank breather in one direction only, while preventing any exhaust air from venting back through the tank breather. The life of the air filter is significantly increased when contaminated fumes inside the reservoir do not vent back through the tank breather.

The Exhaust Control Outlet is also a unidirectional passageway. Internal fumes and gasses can only exit the reservoir through the Exhaust Control Outlet port. All replacement air can only re-enter through the Inflow Control Gate. The **ECO** port is a standard 1" NPT female pipe port.



On the basic **ORA-1000**, the Inflow Control Gate is protected by the **OILMISER™** 5 micron replaceable air filter (P/N AFE2001) and our all weather molded cap. This air filter and cap can be replaced with optional top end couplers, offering a range of female pipe ports from ½" NPT to 2" NPT.

Many hydraulic reservoirs and liquid storage tanks operate in extremely wet and contaminated areas, or in dangerous locations with limited access. Clean air can be piped into the reservoir from a safe and clean location through the Inflow Control Gate.

The **ECO** port can function somewhat like the EGR valve used on automobile engines. Internal fumes and gasses, generated inside the reservoir, can be piped out of the immediate work area and safely released to atmosphere at a remote location; or be further conditioned to meet local environmental concerns and safety regulations.



The **ORA** is shipped fully assembled and ready for mounting, using the tank top gasket and mounting screws supplied. In minutes, the **ORA** can replace most conventional reservoir filler/breathers that use a 6 hole x 2.88" BC mounting pattern.

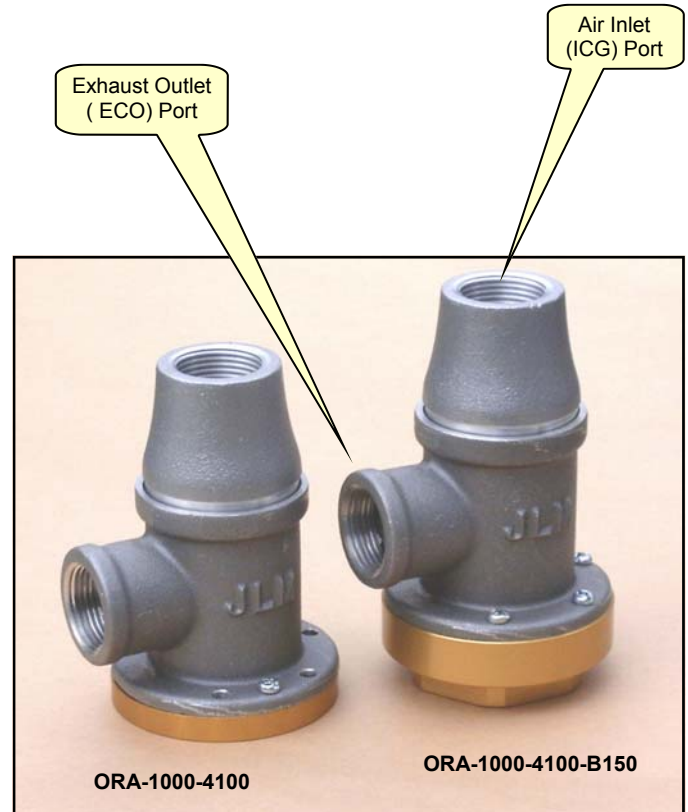
Part Number	Inflow Control Gate (ICG)	Exhaust Control Outlet (ECO)
ORA-1000	OILmiser 5 micron Filter & Cap	1" NPT Female Pipe
ORA-1000-4100	1" NPT Female Pipe	1" NPT Female Pipe
ORA-1000-4200	2" NPT Female Pipe	1" NPT Female Pipe
Other ICG and ECO port configurations are available. Contact factory for details		

More Options • Greater Flexibility



**ORA-1000
Surface Flange Mount**

**ORA-1000-B150
Bottom Pipe Mount**



ORA-1000-4100

ORA-1000-4100-B150

Part Number	Inflow Control Gate (ICG)	Exhaust Control Outlet (ECO)	Bottom Mount
ORA-1000	OILmiser 5 micron Filter & Cap	1" NPT Female Pipe	Surface Flange
ORA-1000-4100	1" NPT Female Pipe	1" NPT Female Pipe	Surface Flange
ORA-1000-4200	2" NPT Female Pipe	1" NPT Female Pipe	Surface Flange
ORA-1016	OILmiser 5 micron Filter & Cap	SAE-16 Female O'Ring Port	Surface Flange
ORA-1016-4016	SAE-16 Female O'Ring Port	SAE-16 Female O'Ring Port	Surface Flange
ORA-1016-4200	2" NPT Female Pipe	SAE-16 Female O'Ring Port	Surface Flange
▲ Flange Mount (6 holes on 2.88" BC) ▲		▼ Female Pipe Bottom Mount (NPT) ▼	
ORA-1000-B150 (1½")	OILmiser 5 micron Filter & Cap	1" NPT Female Pipe	1½" NPT Female
ORA-1000-4100-B150 (1½")	1" NPT Female Pipe	1" NPT Female Pipe	1½" NPT Female
ORA-1000-4200-B200 (2")	2" NPT Female Pipe	1" NPT Female Pipe	2" NPT Female
ORA-1016-B150 (1½")	OILmiser 5 micron Filter & Cap	SAE-16 Female O'Ring Port	1½" NPT Female
ORA-1016-4016-B150 (1½")	SAE-16 Female O'Ring Port	SAE-16 Female O'Ring Port	1½" NPT Female
ORA-1000-4200-B200 (2")	2" NPT Female Pipe	SAE-16 Female O'Ring Port	2" NPT Female
Other ICG and ECO port configurations are available. Contact factory for details			