

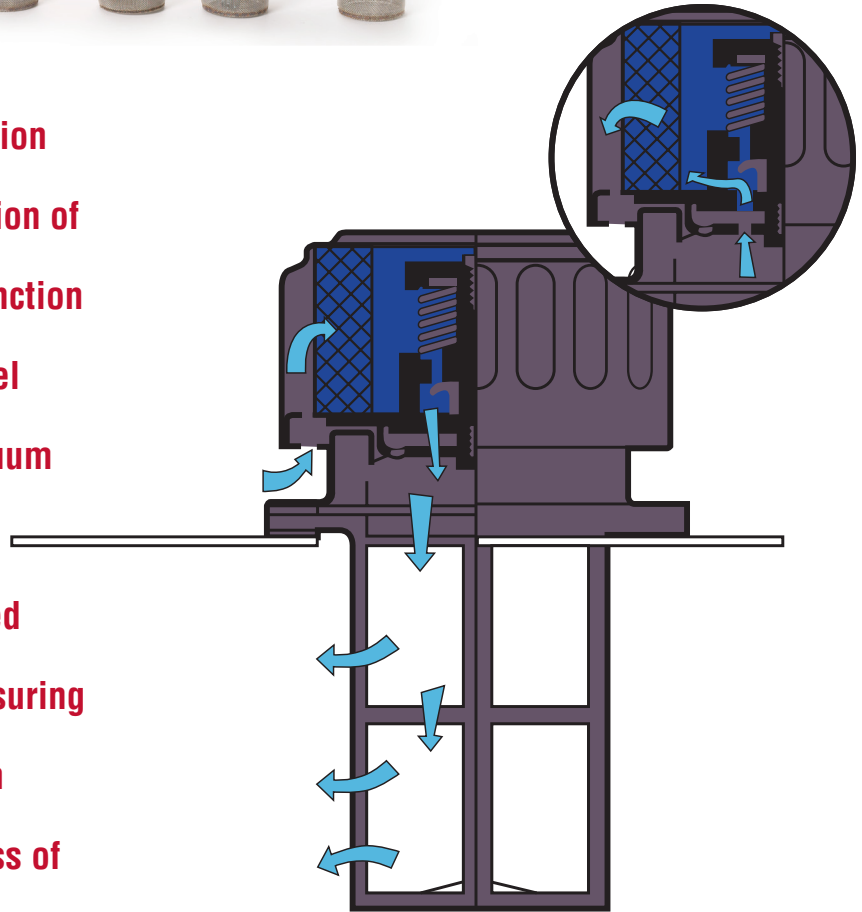


Fluid Power Specialist



Pressurized Filler Breathers

For applications requiring pressurization the normal cap is modified by the option of a double valve which performs the function of maintaining a pre-set pressure level in the reservoir and preventing a vacuum depression being generated. It also provides a boost pressure for a flooded inlet condition for the pump and pressuring of the air space in the reservoir which reduces turbulence, splashing, ingress of dirt, foaming and aeration of the oil.



The double valve assembly is attached to the center of insert base plate and projects into the space inside the filter element, ensuring that any air drawn into the system is filtered. The valve spring is loaded onto a rubber seal ring and the pressure setting can be 3 PSI, 5 PSI or 10 PSI.

A small rubber diaphragm on the underside of the valve seat allows air to be drawn into the reservoir when the pressure falls below atmosphere. This feature is a vacuum breaker.

When the reservoir pressure reaches pressure setting the valve lifts and allows air through the filter element, thus reducing the pressure which allows the valve to re-seal and maintain the pressure inside the reservoir. The pressure assembly reduces air intake by approximately 80%.

Lenz models bayonet type 57XL, NY-B and threaded type BF-1216, NY can be equipped with this feature.

See the Lenz website www.lenzinc.com or catalog for further details

