

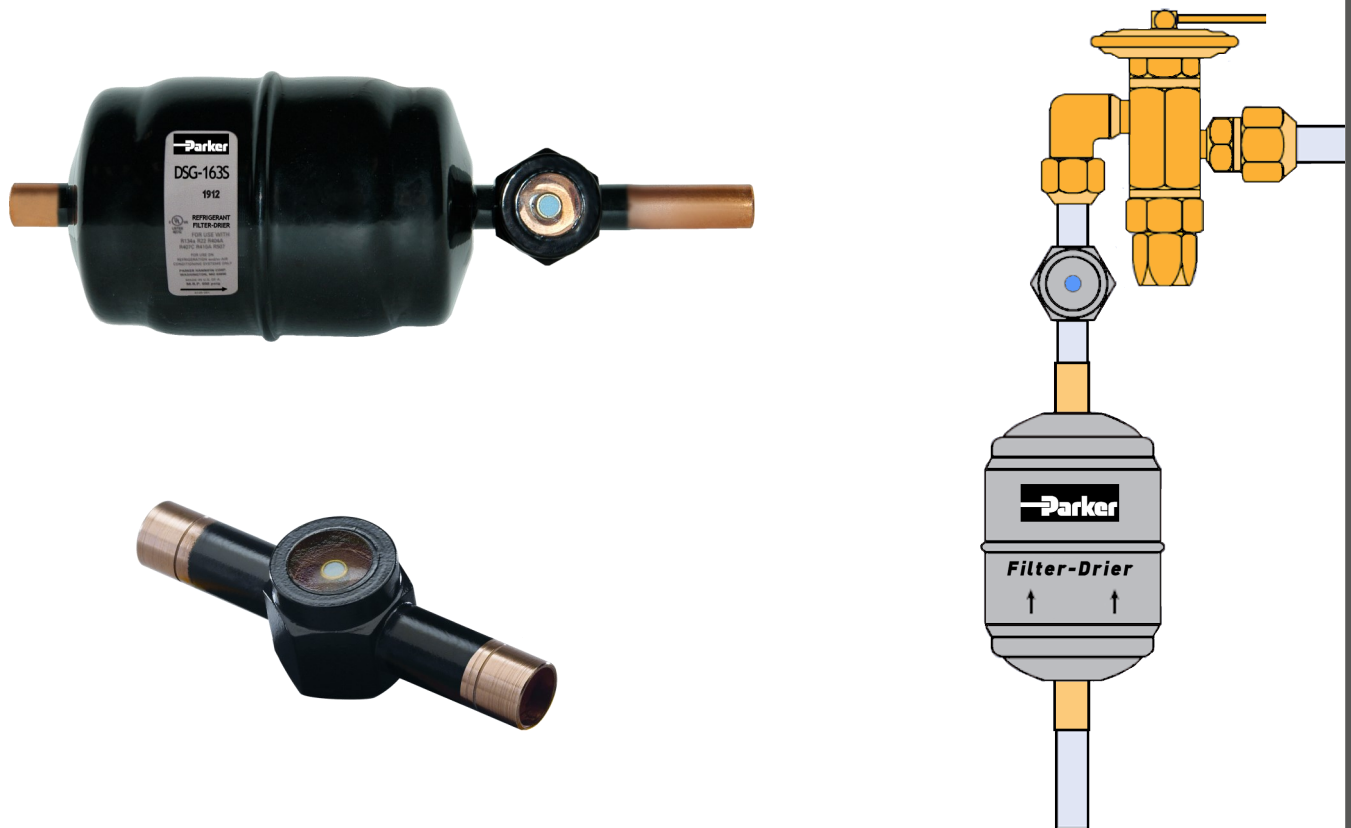
What is the preferred location of the liquid line sight glass?

From the standpoint of indicating the condition of the refrigerant (100% liquid or mixture of liquid and bubbles) the preferred location is immediately before the TXV.

One of the requirements for proper TXV operation, is a solid stream of liquid refrigerant entering the valve. Positioning the sight glass immediately before the TXV helps to ensure that is the case. A clear sight glass could also be an indication of a properly charged system.

By locating the Sight Glass downstream of the filter-drier, it can signal a restriction in the filter-drier should one occur. However, be careful not to confuse this with a shortage of refrigerant.

In addition to the Parker PSG Moisture & Liquid Indicator, Parker also offers a combination Filter-Drier and PSG Sight Glass. These are available in two sizes—DSG-083S and DSG-163S.



The Parker Moisture and Liquid Indicator combines the two functions of moisture and liquid indication into a single economical product. Take the guess work out of servicing refrigeration and air conditioning equipment.

A **dark blue** color indicates the refrigerant is **DRY** and **pink** indicates a **WET** condition. The indicator is formulated so that it changes color at the moisture levels generally accepted as the safe operating range.

Reprinted / adapted from Parker Sporlan Bulletin 5-220 / 032013.; Parker Catalog B-1 (2007).