



# KEPNER PRODUCTS COMPANY

ESTABLISHED IN 1948

## Glossary

<b>Pressure, burst</b>	The pressure which causes failure of and consequential loss of fluid through the product envelope.
<b>Pressure, cracking</b>	The pressure at which a pressure-operated valve begins to pass fluid.
<b>Pressure, override</b>	The difference between the cracking pressure of a valve and the pressure reached when the valve is passing its rated flow.
<b>Pressure, pilot</b>	The pressure in the pilot circuit.
<b>Pressure, proof</b>	The non-destructive test pressure, in excess of the maximum rated operating pressure, which causes no permanent deformation, excessive external leakage, or other resulting malfunction.
<b>Seal, bubble tight</b>	Seal arrangement that does not allow a bubble of air to be forced past it into water or hydraulic fluid.
<b>Seal, leak tight</b>	Seal arrangement that does not allow a drop of hydraulic fluid to be forced past it into air.
<b>Seal, soft seat</b>	Use of an elastomer as a stop or seat for a poppet.
<b>Seal, metal-to-metal</b>	Use of a metal seat and a metal poppet that have been precision made, so that there is no leakage path between them when the poppet is seated. Kepner Products Company valves have a soft seat seal and use a metal-to-metal stop to prevent the poppet from moving through the seal.
<b>Valve, cartridge</b>	A valve with working parts contained in a cylindrical body. The cylindrical body must be inserted into a housing for use. Ports through the body cooperate with ports in the containing housing.
<b>Valve, directional control</b>	A valve whose primary function is to direct or prevent flow through selected passages.
<b>Valve, directly operated</b>	A valve in which the controlling forces acting on the element directly influence the movement of the control elements.
<b>Valve, pilot operated (indirect)</b>	A valve in which a relatively small flow through an integral vent line relief (pilot) controls the movement of the main element.
<b>Valve, pilot</b>	A valve applied to operate another valve or control.

Valve performance is dependent on proper selection, application, installation and maintenance. Consult Factory.

Kepner Products Company, Villa Park, IL 630.279.1550 E-mail: [kepner@kepner.com](mailto:kepner@kepner.com)