

OPERATION OF KUHLMAN GAUGE

PUTTING GAUGE AWAY OR IN CASE

1. Close all valves #3 (Top Valve), #2, and #1.

PREPARING GAUGE TO OPERATE

1. Open Valve #1 - Relieve pressure.
2. Open Valve #2
3. Open Valve #3 (Top Valve)

THE GAUGE IS NOW READY TO CHECK 16" OF WATER OR UNDER - IF FLUID IS AT ZERO.

CAUTION ON CHECKING INCHES OF WATER

Close Valves #1 and #2. After gauge has been attached to the system to be checked, open Valve #1, slowly and if fluid starts out the top of gauge, close Valve #1, this stops the fluid. It also means you have more than 16" of water column in system.

FOR CHECKING SYSTEM WITH POUNDS PRESSURE NEUTRALIZE GAUGE

1. Open Valve #1 - Relieve pressure.
2. Open Valve #2
3. Open Valve #3 (Top Valve)

THEN - TO PUT ON SYSTEM WITH POUNDS PRESSURE

1. Close Valve #3 (Top Valve) - with fluid at zero.
2. Close Valve #2
3. Close Valve #1
4. Attach gauge to system to be checked.
5. slowly open Valve #1 and read pressure.

TO LEAK DETECT WITH GAUGE ON SYSTEM

1. Valve #1 is open
2. Open Valve #2
3. Slowly close Valve #1. If you have a big leak the fluid will travel up the inside tube very fast. - To keep from losing fluid open Valve #1. Find leak then repeat step #3. Fluid should not travel up the inside tube. If it does there is leakage in the system.

TO REMOVE GAUGE FROM SYSTEM

1. Close Valve #3 (Top Valve) if open
2. Close Valve #2 if open
3. Close Valve #1
4. Remove Gauge from System
5. After removing gauge from system, slowly open Valve #1 to relieve pressure from gauge.
6. Close Valve #1 and you are ready to put gauge away or in case.

MAINTENANCE

With proper care and usage the high impact plastic Kuhlman Gauge is very durable. Keeping the quick disconnects and valves clean will extend their life and minimize leakage. Proper operation will prevent loss of gauge fluid, however, if gauge fluid is needed only Kuhlman gauge fluid should be used. The fluid is available in 1/2 pint filling bottles and one gallon bottles from:

The Kuhlman Instrument Company
54 Summit Street
Norwalk, OH 44857

Rev. 4-1-85