

### For Ammonia (R-717) and Halocarbon Refrigerants

#### Features

- **2" Pipe: Schedule 80**
- **≥ 2 1/2" Pipe: Schedule 40**
- **Incorporates Level Eye® Sight Glasses with Reflex Lenses**
- **Custom Connection Sizes and Locations**
- **Custom Pipe Lengths**
- **Capacitance Probes Available**
- **Scarfed Level Eye® Housings Available**

#### Description

Phillips® Level Eye® columns are rugged refrigerant level gauges. The unique reflex glass lens turns black in the presence of liquid and remains white when no liquid is present. For horizontal vessels, the columns typically are built with Level Eyes on 4" centers. Spacing on columns for vertical vessels would be greater than 4 inches.

Custom designed columns are available for all types of vessels. When level controls are to be mounted on the columns, the required couplings or nozzles can be welded to the column. Submit a sketch and Phillips will quote per your requirements.

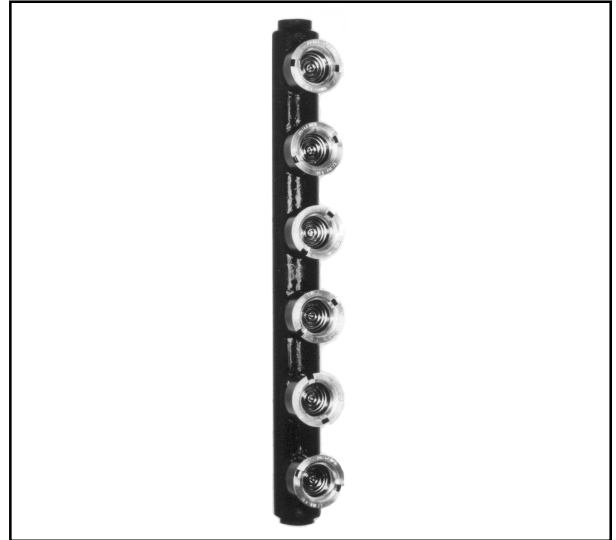
Various configurations of Level Eye columns, incorporating different size pipe or Level Eyes with Frost Shields, can be built to suit operating conditions and custom requirements.

#### Type 'H' Level Eye Columns

For use with high temperature receivers, columns would be built with Level Eyes on 4" centers minimum or slightly larger centers when necessary.

The number preceding the 'H' in the table below is the number of Level Eyes. A typical column with five Level Eyes with top and bottom balancing connections would be a number 5H column.

**Ordering Instructions:** Select the 'V' dimension in Table 1 that meets your requirements and specify the Catalog Number for that line. Advise of any variation you may require.



Phillips Level Eye® Column

#### Type 'M' Level Eye Columns

For use on vessels with operating pressures in the range of 75 PSIG down to 15 PSIG. This includes Controlled Pressure Receivers where the introduction of cold liquid due to Phillips transfer systems may bring the liquid temperature down to 32°F or lower. Standard length Frost Shields are supplied.

**Ordering Instructions:** Order by specifying the number of Level Eyes required followed by a 'M.' Advise length 'D' required for your installation (see drawing below) and whether 1" top and bottom or 1" side balance connections (suffix 'S'), threaded or plain end, are desired. For example, a typical column using eight Level Eyes with side balance line connections would be an 8MS.

#### Type 'L' Level Eye Columns

For use on vessels with operating pressures below 15 PSIG. Frost Shields supplied are 1" longer than standard.

**Ordering Instructions:** Order by specifying the number of Level Eyes required followed by an 'L.' Advise the length 'D' and whether 1-1/4" or larger top and bottom connections are required. A typical column using six Level Eyes would be a 6L. Also advise if side balance connections are required and indicate center to center distance.

**Table 1: AMMONIA RECEIVER**

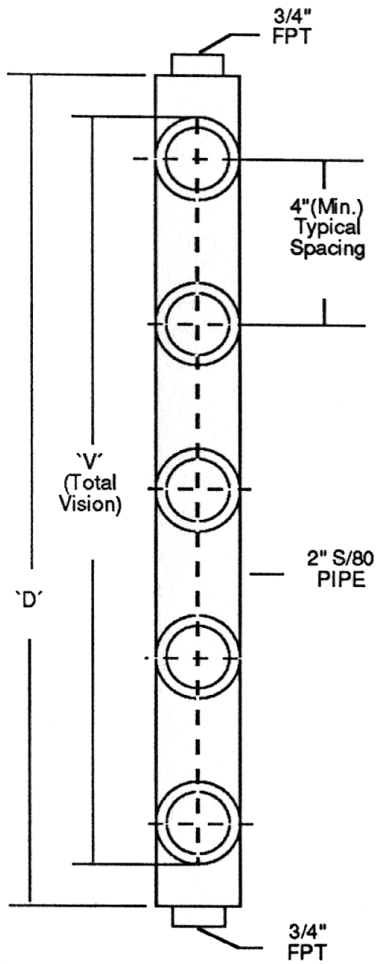
CATALOG NO.	D (IN.)	V (IN.)	SHIPPING WT. (LBS.)
4H	16	13.5	14
5H	20	17.5	17
6H	24	21.5	20
8H	32	29.5	26
9H	36	33.5	29
10H	43*	39.75	32
12H	48	45.5	38
14H	56	53.5	44
15H	60	57.5	47

\*4.25" Level Eye spacing

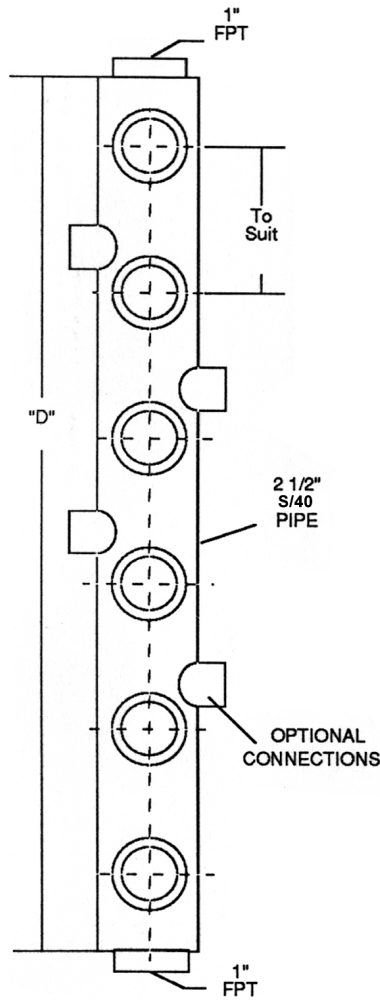


Phillips Level Eye®

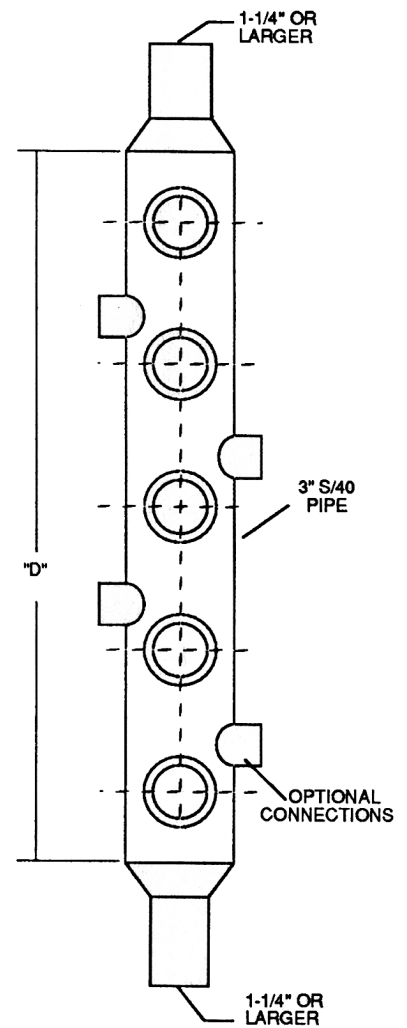
**Type "H"**



**Type "M"**



**Type "L"**



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