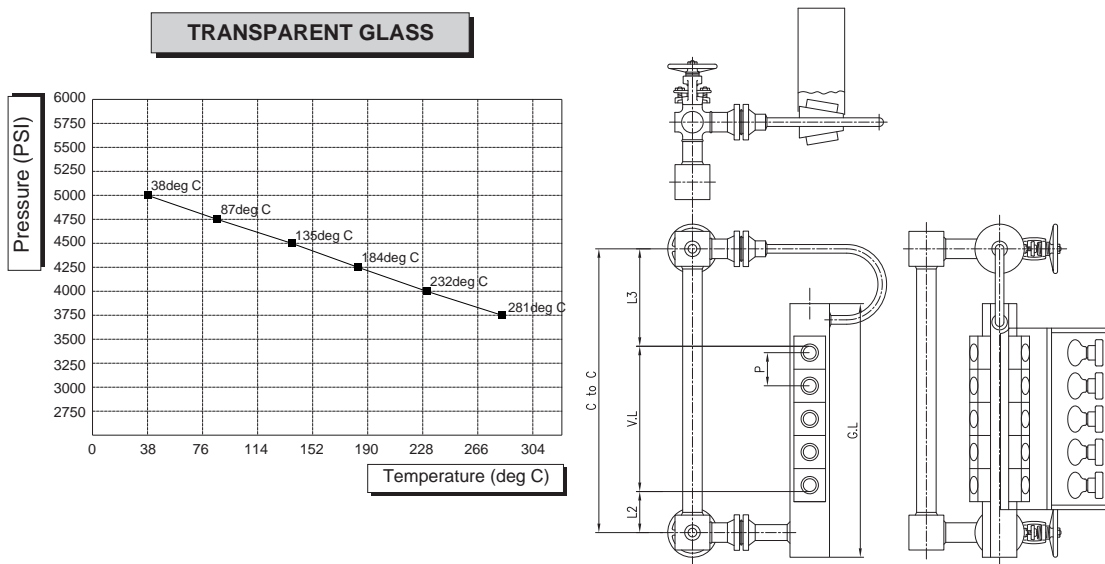


Pressure and temperature rating for L510

Spec. sheet no. LD05-04



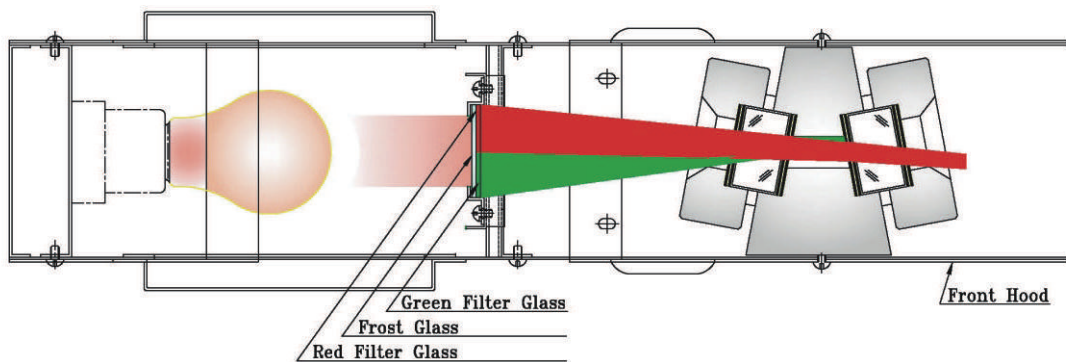
No. of ports	Visual length (VL)	Gauge length (G.L)	Installation length (C ~ C)	L1	L2	Port pitch (P)
5P	320	480	520	140	60	75
6P	395	555	595	140	60	75
7P	470	630	670	140	60	75
8P	545	705	745	140	60	75
9P	620	780	820	140	60	75
10P	695	855	895	140	60	75
11P	770	930	970	140	60	75
12P	845	1,005	1,042	140	60	75
13P	920	1,080	1,120	140	60	75
14P	995	1,155	1,195	140	60	75
15P	1,070	1,230	1,270	140	60	75

Note : We can also manufacture items with different number of ports to the above.

Construction and functioning

Two-color water level gauge applies the principle of optical science that the reflective index of light is different when it passes through steam space and boiler water section, separating red (steam space) and green (boiler water section). The gauge is of construction that a special lamp, colored glass plate (red, green) and a condensing lens are provided inside the illuminator installed at the rear of water level gauge. The light separated into two colors by passing through the colored plates (red, green) enters into visible window of water level gauge after traveling angle is changed a little by the next condensing lens. Then, when the light passes through the trapezoid chamber which consists of two sheets of gauge glass when it is steam green light reflected in the chamber and does not appear outside interrupted by gauge cover and only red reflected ray appears on the visible face after passed through inside of water level gauge. And when it is boiler water in the chamber, contradictions phenomenon will occur, that is, the red reflected ray does not appear outside interrupted and only green refracted ray appears on the visible face. As mentioned above, the filter glass, a condensing lens, gauge glass are combined in the optically position so that correct water level may appear by instantaneously sensing the level variance.

In the case of steam (Red)



In the case of boiler water (Green)

