

HANSEN TECHNOLOGIES CORPORATION



STANDARD SEE-LEVEL®: H1100-R

Specifications, Applications,
Service Instructions & Parts

SEE-LEVEL®
REFRIGERANT
LIQUID INDICATORS

ASME SA36
Housing Material



INTRODUCTION

Hansen SEE-LEVEL® liquid indicators provide simple indication of true liquid levels in industrial and commercial refrigeration systems. When liquid is present the distinctive reflex lens appears dark; when vapor is present, the lens is light. The long universal housing provides adequate length for ease of welding as well as insulation clearance for low temperature applications. The optional frost shield facilitates clear viewing of liquid level under frosting conditions.





APPLICATION

SEE-LEVEL® liquid indicators are suitable for ammonia, R22, R134a, and also other approved refrigerants. Typical uses include: refrigerant receivers, level columns, accumulators, intercoolers, suction lines, oil lines, and liquid lines.

MATERIAL SPECIFICATIONS

Housing: Steel, ASME SA36 (ASTM A36), traceable, zinc chromate plated
 Reflex Lens: Clear, Boro-silicate tempered glass (Optional clear lens: Soda lime glass)
 Retainer ring: Cold rolled steel (ASTM A108), zinc chromate plated
 Pressure Gasket: Neoprene
 Retainer Rotation Gasket: Red fiber
 Frost Shield: Lucite, 2" (51 mm) long
 Shield O-Ring: Buna-N
 Safe Working Pressure: 400 psig (27 bar standard)
 Operating Temperature: -60F to 240F (-50°C to 115°C)

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
H1100-R	 Standard SEE-LEVEL®
H1100-RN	 With Frost Shield
H1100C-R	 With Saddle Milled Housing
H1100C-RN	 With Saddle Milled Housing and Frost Shield

Shipping weight: 2 lbs.

TO ORDER: Specify Catalog Number, and whether material certificate is required.

ADVANTAGES

Hansen SEE-LEVEL® housings meet the material requirements of ASME for direct welding to vessels, receivers, level columns or liquid lines. Furthermore, each is marked for material traceability; certifications are available upon request. The SEE-LEVEL® has a large diameter reflex lens for easy viewing. Frost shield length is suitable for temperatures down to -60F (-50°C). Standard housing can be welded (fillet weld) into a 1.94"/2" diameter opening or 1½" socket weld fitting, or butt welded to a 1½" pipe (Schedule 80). The scarfed (saddle milled) housing is available for simplified welding over a 1.5" (38 mm) hole, onto 2½", 3", or 4" pipe, such as for level columns or liquid lines.