

- Low cost and simple installation
- Accurate to ± 1 inch
- Choice of standard materials to accommodate most installations
- Extremely visible numerals and graduations
- Durable and reliable construction materials on all moving parts
- Custom marking available

The Shand & Jurs Model 92302/03 Liquid Level Indicators

The Shand & Jurs Model 92302/03 Liquid Level Indicator is a reliable and inexpensive float actuated level gauging system. It is designed to provide reliable and virtually trouble-free service for installation not requiring accuracies better than ± 1 inch.

Shand & Jurs provides as standard, rugged aluminum or redwood indicator boards. 316 Stainless Steel boards and mounting hardware also available. Graduations are in feet and inches or meters and decimeters, large black numerals make readout highly visible from a distance. Half or third travel indicator boards are offered for special installations, such as underground tanks. Outage (reverse reading), volumetric and custom marked boards available.

To simplify ordering and installation, Shand & Jurs provides complete installation kits for redwood and aluminum indicator boards. Complete kit includes float, brackets, clamps, anchor bar, target, sheaves, guide wire spring assembly, guide wire and liquid seal when required.

The choice of material selection for kits permits installation in a variety of environmental conditions. To provide a vapor tight installation and protect the gauge board from corrosive tank vapors, a standard liquid seal is available.

Shand & Jurs also offers limit switches to actuate high and low level alarms, provide pump control or other signaling functions.

SPECIFICATIONS:

Gauging Range:.....55 Feet or 16.8 Meters
(Higher Available)
Operating Temperature:....-30° to 160°F
Type of Kit Class:.....Class A (Aluminum)
Class B (Nodular Iron)

MATERIALS OF CONSTRUCTION:

Indicator Board:Redwood or Aluminum,
316 SS optional
Float:.....316 SS
Brackets:.....Steel
Anchor Bar:.....Steel
Float Cable:Stainless Steel
Cable Clamp:.....Stainless Steel
Target:.....Steel

SHEAVE ASSEMBLY:

Housing and Cover:.....Cast Aluminum
or Nodular Iron
Sheave:Delrin
Bearing:Teflon
Shaft:Stainless Steel

GUIDE WIRE SPRING ASSEMBLY:

Housing Assembly:Galvanized Steel
Spring:Steel
Guide Wire:.....Stainless Steel

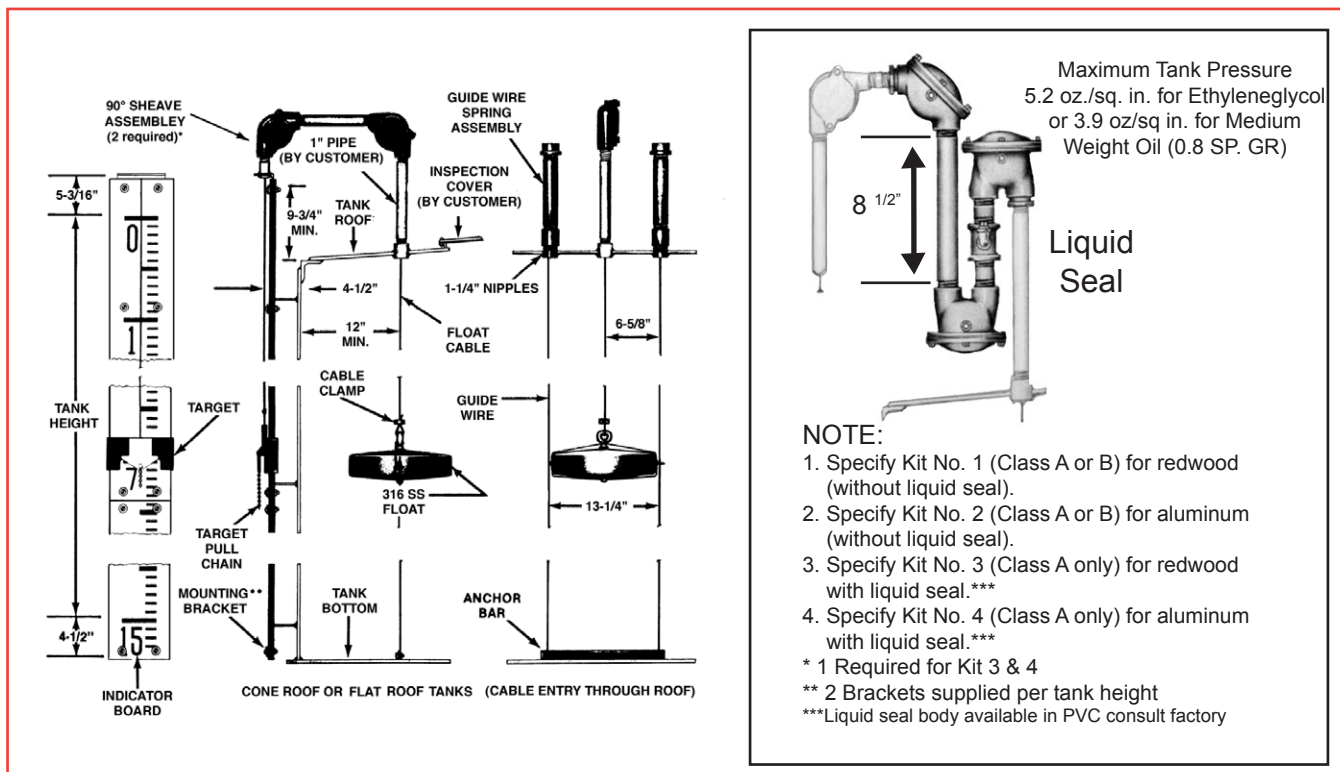
LIQUID SEAL: (Class A only):

Housing & Cover:Cast Aluminum
Sheaves:.....Delrin
Pipe:Galvanized Steel
Bearing:Teflon
Shaft:Stainless Steel

LIQUID SEAL INSTALLATION:

Maximum tank pressure 5 oz./sq. in. for antifreeze or 4 oz./sq. in. for medium weight oil (0.8 Sp. Gr.)

For higher tank pressures, refer to Liquid Seal Model 93603.



All designs subject to change. Certified dimensions and specifications available upon request.

ACCESSORY KITS (EF)

KIT NO. 1 - CONE ROOF TANK (WOOD GAUGE BOARD)

DESCRIPTION	NO. REQ'D.	1A CAST AL. SHEAVE HSG.	1B NOD. IRON SHEAVE HSG.
SHEAVE ASSY. 1"-90	2	JB3561-1 (CA)	JB3561-2 (NI)
FLOAT-3166SS	1	JB3010-21	JB3010-21
ANCHOR BAR	1	JA3540-3	JA3540-3
GUIDE WIRE SPR. ASSY	2	JB3486-11	JB3486-11
CABLE CLAMP	1	090142	090142
TARGET	1	9230-11360	9230-11360
BRACKET	*	509-836	509-836

*NUMBER OF BRACKETS IS DETERMINED BY TANK HEIGHT.

KIT NO. 2 - CONE ROOF TANK (METAL GAUGE BOARD)

DESCRIPTION	NO. REQ'D.	2A CAST AL. SHEAVE HSG.	2B NOD. IRON SHEAVE HSG.
SHEAVE ASSY. 1"-90	2	JB3561-1 (CA)	JB3561-2 (NI)
FLOAT - 316SS	1	JB3010-21	JB3010-21
ANCHOR BAR	1	JA3540-3	JA3540-3
GUIDE WIRE SPR. ASSY	2	JB3486-11	JB3486-11
CABLE CLAMP	1	090142	090142
TARGET	1	9230-11360	9230-11360
BRACKET	*	509-836	509-836
INTERMEDIATE SUPPORT	*	9399-18000	9399-18000

*NUMBER OF BRACKETS IS DETERMINED BY TANK HEIGHT.

KIT #'S 3 & 4 - CONE ROOF TANK WITH LIQUID SEAL

(FOR MAXIMUM TANK PRESSURE OF 4.35 OZ./SQ. IN.)

DESCRIPTION	NO. REQ'D.	KIT 3A WOOD BOARD	KIT 4A METAL BOARD
SHEAVE ASSY. 1"-90	1	JB3561-1 (CA)	JB3561-1 (CA)
FLOAT - 316SS	1	JB3010-21	JB3010-21
ANCHOR BAR	1	JA3540-3	JA3540-3
GUIDE WIRE SPR. ASSY	2	JB3486-11	JB3486-11
CABLE CLAMP	1	090142	090142
TARGET	1	9230-11360	9230-11360
BRACKET	*	509-836	509-836
INTERMEDIATE SUPPORT	*	-----	9399-18000
LIQUID SEAL	1	JC3602-3	JC3602-3

*NUMBER OF BRACKETS IS DETERMINED BY TANK HEIGHT.

KIT #'S 5 & 6 - CONE ROOF TANK WITH PVC LIQUID

SEAL, SHEAVE & UNGUIDED FLOAT

(FOR MAXIMUM TANK PRESSURE OF 4.35 OZ./SQ. IN.)

DESCRIPTION	NO. REQ'D.	KIT 5A WOOD BOARD	KIT 6A METAL BOARD
PVC SHEAVE ASSY. 1"-90	1	LA276-533	LA276-533
RAFT FLOAT - PVC	1	LB290-800	LB290-800
TFE CABLE CLAMP	1	LA270-1007	LA270-1007
TARGET	1	9230-11360	9230-11360
BRACKET	*	509-836	509-836
INTERMEDIATE SUPPORT	*	-----	9399-18000
PVC LIQUID SEAL	1	LB277-543	LB277-543
1/16" TEFLON COATED CABLE	As Req'd	117-8	117-8

*NUMBER OF BRACKETS IS DETERMINED BY TANK HEIGHT.

SPECIAL ACCESSORY KIT SUBSTITUTIONS

A. FLOATS

DESCRIPTION	PART NUMBER
304 SS Float (11-3/4" DIA)	JB3010-7
Monel Float (11-3/4" DIA)	JB3010-4
304 ss Foamglass Float (9" x 12" x 3")	JC3000-1
Polyethylene float	9399-11250
Teflon coated float	LA290-674
* 304 SS (11-3/4" DIA)	JB3010-8

* For asphalt service only

B. SHEAVE ASSEMBLIES - 1 "NPT CONNECTIONS *

DESCRIPTION	PART NUMBER
All 316 SS	JB3561-4
Aluminum Housing/316ss Wheels	JB3561-5
Nodular Iron Housing/316ss Wheels	JB3561-6

* ALL STAINLESS STEEL WHEELS ARE TAPE/CABLE COMPATIBLE

C. ANCHOR BAR - 13-1/4"

DESCRIPTION	PART NUMBER
All 316 SS	JA3540-4

D. GUIDE WIRE SPRING ASSEMBLIES

(two per unit required)

DESCRIPTION	PART NUMBER
All 316 SS	93486-18
All 304 SS	93486-12

NOTE: FOR SPECIAL SYSTEM REQUIREMENTS, CONSULT FACTORY.