JERGUSON®
A Division Of The Clark-Reliance Corporation

Specialists In Liquid Level Indication

LIQUID LEVEL GAGES Series 51

For Pressures Up To 10,000 psi @ 100°F

Section: J100
Bulletin: J100.12
Date: 1/1/99
Supercedes: 51

A high pressure gage for longer-life under severe conditions

- **Working Pressures to 10,000 psi**
- **Solid, One-piece Steel Chamber**
- **Viton "O" Rings**

The Jerguson Series 51 Liquid Level Gage is a specially designed instrument capable of withstanding high pressures. The one-piece chamber is machined out of solid bar stock carbon steel or stainless steel as specified. It is drilled lengthwise and crosswise at each port leaving tie-bars in between to resist deflection under pressure. Viton "O" rings that seal each port are unaffected by most liquids that cause deterioration in rubber. The "O" rings are seated in recessed circular channels to assure proper seating action.

MAXIMUM VISIBILITY:
This gage is unique in that it combines the strength to withstand very high pressures with a good degree of visibility. Port holes in the chamber are drilled on an angle for positive drainage of the port, thus preventing false level reading caused by liquid hang up.

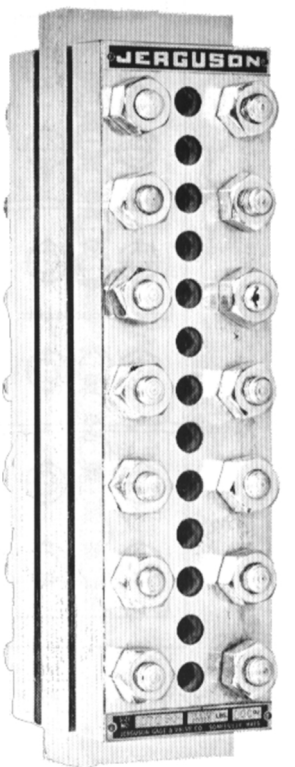
RATINGS:
Carbon steel and 316SS are rated for 10,000 psi @ 400° F using Viton. Gages with 304SS chambers are rated for 6600 psi @ 400° F using Viton.

CONNECTIONS:
½" N.P.T. or Flanged to 6600 psi. High pressure fittings recommended for higher pressures.

CHOICE OF LENGTHS:
Series 51 Gages are offered in standard sizes up to 6 feet in length. They are built to order in greater lengths.

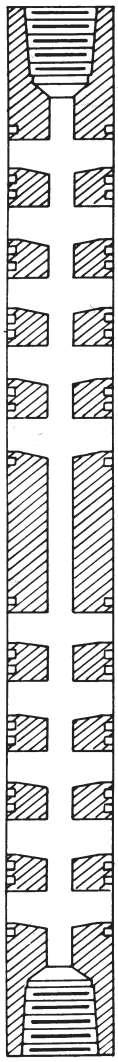
CONSTRUCTION:
Chambers are machined from solid bar stock steel, carbon or stainless as specified. Covers are carbon steel. Studs are threaded through the chamber to allow glasses on each side to be changed individually.

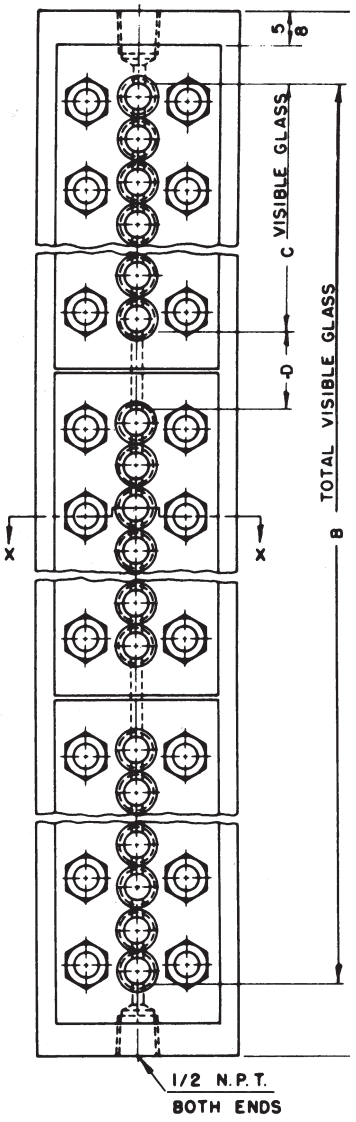
Although the tempered longitudinal glass is carefully chosen for "close tolerance" the design of the chamber and individual self-sealing "O" rings at each port confine the pressure on the glass to ½" circles. Fibrous cushions are used between covers and glasses.

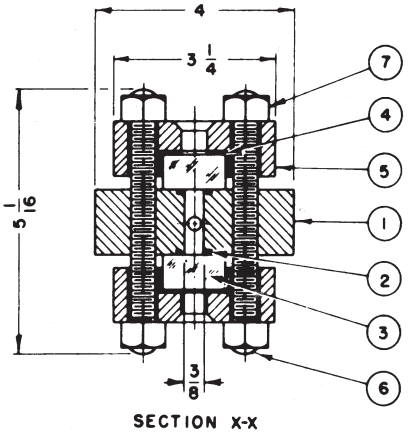


T-51 Gage

SERIES 51 LIQUID LEVEL GAGES







SECTION X-X

SIZE NO.	DIMENSION IN INCHES A	B	C	D	NO. OF PORTS
SINGLE SECTION GAGE					
11-T-51	6½"	3⅝"	3⅝"		5
12-T-51	7½"	4⅞16"	4⅞16"		6
13-T-51	8½"	5¼"	5¼"		7
14-T-51	9½"	6⅛16"	6⅛16"		8
15-T-51	10⅝"	7¹¹⁄16"	7¹¹⁄16"		10
16-T-51	11⅞"	8½"	8½"		11
17-T-51	13"	10⅛"	10⅛"		13
18-T-51	14⅝"	11¾"	11⅝"		15
19-T-51	15⅜"	12⅜16"	12⅜16"		16
TWO SECTION GAGE					
23-T-51	15¾"	12½"	5¼"	2"	14
24-T-51	17¾"	14⅝16"	6⅛16"	2⅜16"	16
25-T-51	20"	17⅛16"	7¹¹⁄16"	1¹¹⁄16"	20
26-T-51	22½"	19⅛"	8½"	2⅛"	22
27-T-51	24¾"	21⅞"	10⅛"	1⅝"	26
28-T-51	28"	25⅛"	11¾"	1⅝"	30
29-T-51	29½"	26¹¹⁄16"	12⅜16"	1⅜16"	32
THREE SECTION GAGE					
36-T-51	33⅛"	29¾"	8½"	2⅛"	33
37-T-51	36½"	33⅝"	10⅛"	1⅝"	39
38-T-51	41⅜"	38½"	11¾"	1⅝"	45
39-T-51	43⅝"	40¹³⁄16"	12⅜16"	1⅜16"	48
FOUR SECTION GAGE					
47-T-51	48¼"	45⅜"	10⅛"	1⅝"	52
48-T-51	54¾"	51⅞"	11¾"	1⅝"	60
49-T-51	57¾"	54¹⁵⁄16"	12⅜16"	1⅜16"	64
FIVE SECTION GAGE					
57-T-51	60"	57⅛"	10⅛"	1⅝"	65
58-T-51	68⅛"	65¼"	11¾"	1⅝"	75
59-T-51	71⅞"	69⅛16"	12⅜16"	1⅜16"	80

NOTES:
1. STANDARD HYDROTEST PRESSURE IS 1.5 TIMES THE GAGE GLASS RATED PRESSURE.
2. WHEN ORDERING, STATE MAXIMUM WORKING PRESSURE - TEMPERATURE.
3. WHEN ORDERING SPARE OR REPLACEMENT GLASS, SPECIFY "H.P." AND GAGE SIZE

BILL OF MATERIAL

PIECE NO.	NAME OF PIECE	STANDARD MATERIAL
1	CHAMBER	BAR STEEL
2	O-RING	VITON-A*
3	GLASS	TEMPERED
4	CUSHION	FIBROUS
5	COVER	BAR STEEL
6	STUD	ALLOY STEEL
7	NUT	ALLOY STEEL

* OTHER COMPOUNDS TO SUIT APPLICATION ARE AVAILABLE.

JERGUSON® GAGE AND VALVE
A Division of The Clark • Reliance® Corporation
13200 North Promenade • Stafford, TX 77477 USA
Telephone: (281) 240-4243 Fax: (281) 240-7299

JERGUSON® GAGE AND VALVE
A Division of The Clark • Reliance® Corporation
16633 Foltz Industrial Parkway • Strongsville, OH 44136 USA
Telephone: (440) 572-1500 Fax: (440) 238-8828

ISO 9001 REGISTERED Clark • Reliance

REPRESENTED BY: YATES & COMPANY, INC. ♦ 1 Hollywood Ave, Unit 22 HoHoKus, NJ 07423
Tel: 201-345-3101 ♦ Email: info@yatesco.net