

Annexure-A
P:2/15

Sr. No.	Description	Qty. Required
1	2	3
1	Local Gauge Glass, LG-201, Flange size = 3/4" #300 (RF), Centre to Centre distance = 2000, Visible area= 1650 mm, Wetted Parts=SS316L (specs are at P-3/15)	1
2	Local Gauge Glass, LG-204, Flange size = 3/4" #300 (RF), Centre to Centre distance = 1200, Visible area= 1100 mm, Wetted Parts=SS316L (specs are at P-4/15)	1
3	Local Gauge Glass, LG-202, Flange size = 3/4" #300 (RF), Centre to Centre distance = 1400, Visible area= 1340 mm, Wetted Parts=SS316L (specs are at P-5/15)	1
4	Local Gauge Glass, LG-203, Flange size = 3/4" #300 (RF), Centre to Centre distance = 900, Visible area= 840 mm, Wetted Parts=SS316L (specs are at P-6/15)	1
5	Local Gauge Glass, LG-205, Flange size = 3/4" #300 (RF), Centre to Centre distance = 1250, Visible area= 1160 mm, Wetted Parts=SS316L (specs are at P-7/15)	1
6	Local Gauge Glass, LG-206, Flange size = 3/4" #300 (RF), Centre to Centre distance = 950, Visible area= 850 mm, Wetted Parts=SS316L (specs are at P-8/15)	1
7	Local Gauge Glass, LG-EVP, Flange size = 1/2" #150 (RF), Centre to Centre distance = 690, Visible area= 590 mm, Wetted Parts=SS304 (specs are at P-9/15)	1
8	Local Gauge Glass, LG-301-V, Flange size = 3/4" NPT Nipple(M) with Union Centre to Centre distance = 2060, Visible area= 1960 mm, Wetted Parts=SS304 (specs are at P-10/15)	1
9	Local Gauge Glass, LG-303-V, Flange size = 3/4" NPT Nipple(M) with Union Centre to Centre distance = 1250, Visible area= 1150 mm, Wetted Parts=SS304 (specs are at P-11/15)	1
10	Local Gauge Glass, LG-305-V, Flange size = 3/4" NPT Nipple(M) with Union Centre to Centre distance = 500, Visible area= 400 mm, Wetted Parts=SS304 (specs are at P-12/15)	1
11	Local Gauge Glass, LG-306-V, Flange size = 3/4" NPT Nipple(M) with Union Centre to Centre distance = 710, Visible area= 610 mm, Wetted Parts=SS304 (specs are at P-13/15)	1
12	Local Gauge Glass, LG-308-V, Flange size = 3/4" NPT Nipple(M) with Union Centre to Centre distance = 1210, Visible area= 1110 mm, Wetted Parts=SS304 (specs are at P-14/15)	1
13	Local Gauge Glass, LG-308S-V, Flange size = 3/4" NPT Nipple(M) with Union Centre to Centre distance = 1250, Visible area= 1150 mm, Wetted Parts=SS304 (specs are at P-15/15)	1
	Detailed Specifications are attached	

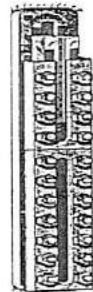
Pi 3/15

SPECIFICATIONF LOCAL GAUGE GLASS

1 - LG-201

Quantity= 01

Connection Size:	Flanged ¾" (RF) #300
Visible measuring area:	1650mm
Centre to Centre connection distance:	2000mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Optional:	Vent , Drain and Heating arrangement is required.
Wetted Parts Material:	SS316L
Visible Length:	315mm
Gage length:	340mm
Operating Pressure:	12.5 Bar
Operating Temperature:	32 °C
Fluid:	Sour Water



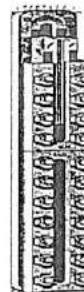
P:4/15

SPECIFICATIONF LOCAL GAUGE GLASS

2 - LG-204

Quantity= 01

Connection Size:	Flanged ¾" (RF) #300
Visible measuring area:	1100mm
Centre to Centre connection distance:	1200mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Optional:	Vent , Drain and Heating arrangement is required
Wetted Parts Material:	SS316L
Visible Length:	315mm
Gage length:	340mm
Operating Pressure:	22 Bar
Operating Temperature:	32 °C
Fluid:	Sour Water



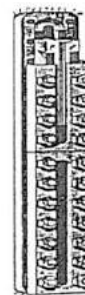
P:5/15

SPECIFICATIONF LOCAL GAUGE GLASS

3 -LG-202

Quantity= 01

Connection Size:	Flanged ¾" (RF) #300
Visible measuring area:	1340mm
Centre to Centre connection distance:	1400mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Optional:	Vent, Drain and Heating arrangement is required
Wetted Parts Material:	SS316L
Visible Length:	315mm
Gage length:	340mm
Operating Pressure:	22 Bar
Operating Temperature:	115 °C
Fluid:	Sour Water



P: 6/15

SPECIFICATIONF LOCAL GAUGE GLASS

4 -LG-203

Quantity= 01

Connection Size:	Flanged 3/4" (RF) #300
Visible measuring area:	840mm
Centre to Centre connection distance:	900mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Optional:	Vent, Drain and Heating arrangement is required
Wetted Parts Material:	SS316L
Visible Length:	315mm
Gage length:	340mm
Operating Pressure:	22 Bar
Operating Temperature:	115 °C
Fluid:	Sour Water



P: 7/15

SPECIFICATIONF LOCAL GAUGE GLASS

5-LG-205

Quantity= 01

Connection Size:	Flanged 3/4" (RF) #300
Visible measuring area:	1160mm
Centre to Centre connection distance:	1250mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel
Liquid chamber:	Number of gauge sections
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Gaskets and cushions:	Die cut from quality material for providing a long life.
Optional:	Vent, Drain and Heating arrangement is required
Wetted Parts Material:	SS316L
Visible Length:	315mm
Gage length:	340mm
Operating Pressure:	20 Bar
Operating Temperature:	115 °C
Fluid:	Sour Water



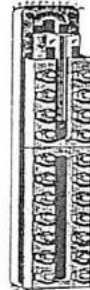
P: 8/15

SPECIFICATIONF LOCAL GAUGE GLASS

6 - LG-206

Quantity= 01

Connection Size:	Flanged ¾" (RF) #300
Visible measuring area:	850mm
Centre to Centre connection distance:	950mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Optional:	Vent, Drain and Heating arrangement is required
Wetted Parts Material:	SS316L
Visible Length:	315mm
Gage length:	340mm
Operating Pressure:	22 Bar
Operating Temperature:	130 °C
Fluid:	Sour Water



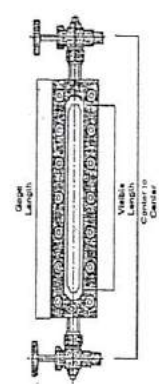
P: 9/15

SPECIFICATIONF LOCAL GAUGE GLASS

7 - LG-EVP

Quantity= 01

Connection Size:	Flanged 1/2" (RF) #150
Visible measuring area:	590mm
Centre to Centre connection distance:	690mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel 304
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Liquid chamber:	One Piece/ sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Wetted Parts Material:	SS304
Visible Length:	590mm
Gage length:	690mm
Operating Pressure:	2 Bar
Operating Temperature:	120 °C
Fluid:	Water



P: 10/15

SPECIFICATIONF LOCAL GAUGE GLASS

8- LG-301-V

Quantity= 01

Connection Size:
Visible measuring area:
Centre to Centre connection distance:
Visible area:
Type:
Connection style:
Covers:
Bolts and Nuts:

3/4" NPT Nipple (M) with Union (SS304)
1960mm
2060mm
Gauge Column
Reflux
Side-Side
Encloses glass to reduce stress and
resist glass breakage.
Stainless steel 304

Glasses:

Tempered Borosilicate glass for high
strength and resistance to thermal
shock.

Liquid chamber:

One Piece/ sections

Gaskets and cushions:

Die cut from quality material for
providing a long life.

Wetted Parts Material:

SS304

Operating Pressure:

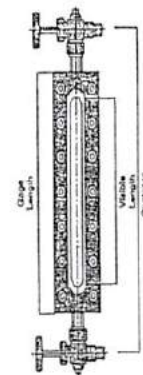
350mmHg

Operating Temperature:

40 °C

Fluid:

Water



P: 4/15

SPECIFICATIONF LOCAL GAUGE GLASS

9 - LG-303-V

Quantity= 01

Connection Size:

3/4" NPT Nipple (M) with Union (SS304)

Visible measuring area:

1150mm

Centre to Centre connection distance:

1250mm

Visible area:

Gauge Column

Type:

Reflux

Connection style:

Side-Side

Covers:

Encloses glass to reduce stress and resist glass breakage.

Bolts and Nuts:

Stainless steel 304

Glasses:

Tempered Borosilicate glass for high strength and resistance to thermal shock.

Liquid chamber:

Number of gauge sections

Liquid chamber:

One Piece/ sections

Gaskets and cushions:

Die cut from quality material for providing a long life.

Wetted Parts Material:

SS304

Operating Pressure:

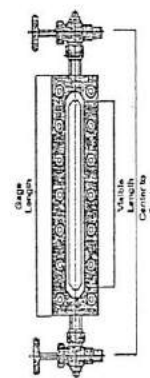
350mmHg

Operating Temperature:

40 °C

Fluid:

Water



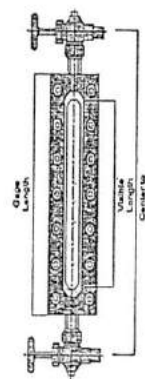
P: 12/15

SPECIFICATIONF LOCAL GAUGE GLASS

10 - LG-305-V

Quantity= 01

Connection Size:	3/4" NPT Nipple (M) with Union (SS304)
Visible measuring area:	400mm
Centre to Centre connection distance:	500mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel 304
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Liquid chamber:	One Piece/ sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Wetted Parts Material:	SS304
Operating Pressure:	350mmHg
Operating Temperature:	40 °C
Fluid:	Water



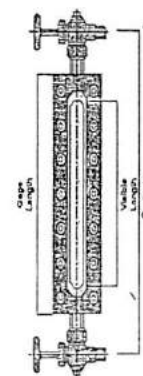
P:13/15

SPECIFICATIONF LOCAL GAUGE GLASS

11 - LG-306-V

Quantity= 01

Connection Size:	3/4" NPT Nipple (M) with Union (SS304)
Visible measuring area:	610mm
Centre to Centre connection distance:	710mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel 304
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Liquid chamber:	One Piece/ sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Wetted Parts Material:	SS304
Operating Pressure:	350mmHg.
Operating Temperature:	40 °C
Fluid:	Water



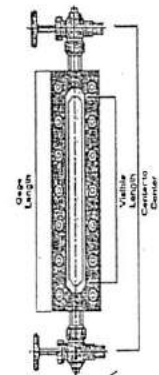
R=14/15

SPECIFICATIONF LOCAL GAUGE GLASS

12 - LG-308-V

Quantity= 01

Connection Size:	3/4" NPT Nipple(M) with Union (SS304)
Visible measuring area:	1110mm
Centre to Centre connection distance:	1210mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel 304
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Liquid chamber:	One Piece/ sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Wetted Parts Material:	SS304
Operating Pressure:	350mmHg.
Operating Temperature:	40 °C
Fluid:	Water



P:15/15

SPECIFICATIONF LOCAL GAUGE GLASS

13 - LG-308S-V

Quantity= 01

Connection Size:	3/4" NPT Nipple (M) with Union (SS304)
Visible measuring area:	1150mm
Centre to Centre connection distance:	1250mm
Visible area:	Gauge Column
Type:	Reflux
Connection style:	Side-Side
Covers:	Encloses glass to reduce stress and resist glass breakage.
Bolts and Nuts:	Stainless steel 304
Glasses:	Tempered Borosilicate glass for high strength and resistance to thermal shock.
Liquid chamber:	Number of gauge sections
Liquid chamber:	One Piece/ sections
Gaskets and cushions:	Die cut from quality material for providing a long life.
Wetted Parts Material:	SS304
Operating Pressure:	350mmHg,
Operating Temperature:	40 °C
Fluid:	Water

- Note:**
1. All wetted part must compliance with NACE MR-01-03
 2. Technical literature, maintenance & installation manuals are required in English.
 3. On-site inspection at Manufacturer premises should be included in quotation.
 5. Recommended maintenance schedule [Preventive (PM), Predictive (PDM,)] by vendor in English is required.

