Welcome to Geoa Instruments Industries Pvt. Ltd., established by Mr. M. T Kulkarni, it is a family owned company. He is a Mechanical Engineer with over 42 years of experience of manufacturing process control instruments for measurement of Temperature, Pressure, Flow, Level & Instrumentation Valves.

We are the leaders in manufacturing various types of Thermowells for all types of Temperature Sensors and Gauges for Industrial applications like Sugar, Power, Oil, Gas, Petrochemical, Fertilizer and other process industries.

The company has many sets of excellent mechanical processing equipments and modern inspection and testing equipments for our products.

A-State-of-the-Art manufacturing facility, continuous Research & Development, innovative technology & stringent quality control at every stage have been some of the key factors in the manufacturing of our products.

We are not only the manufacturer but the solution providers.

We have built world class reputation of total understanding of customers requirements and needs, thus delivering excellent products and services at competitive prices.

For us, commitment and integrity are valued the most, which reflects in the philosophy of achieving total customer satisfaction. With our presence in major cities in India and a growing international network across all continents, we are in a position to reach clients all over the world.

Our Products have been supplied to the following Industries

- Bhabha Atomic And Research Center
- Oil & Gas Refineries & Petrochemical Industries
- Chemical, Process, Sugar Industries
- Thermal Power & Atomic Power Plants
- Fertilizers & Agro Chemicals
- Pharmaceuticals & Laboratories
- Steel & Metallurgical Plants
- Original Equipment Manufacturers
- EPC Contractors
- Water & Effluent Treatment Plants
- Pulp, Paper & Fibre Industries
- Defence
- And Many More
Index

Bourdon Sensing Pressure Gauge ................................. 03

Chemical Seal(Diaphragm) Pressure Gauge .................... 04

Diaphragm Sensing Pressure Gauge .......................... 05

Capsule Sensing Pressure Gauge .............................. 06

Solid Front Pressure Gauge ................................. 07

Special Purpose Pressure Gauges ............................ 08

Hygiene Gauges ............................................ 09

Indicating Pressure Switches ............................... 10

Accessories .............................................. 11

Testing Facilities For Pressure Gauges .................... 12
The Bourdon pressure gauge uses the principle that a flattened tube tends to straighten or regain its circular form in cross-section when pressurized. Although this change in cross-section may be hardly noticeable, and thus involving moderate stresses within the elastic range of easily workable materials, the strain of the material of the tube is magnified by forming the tube into a C shape or even a helix, such that the entire tube tends to straighten out or uncoil, elastically, as it is pressurized. This type of gauge is equipped to meet most of the Industrial applications.

Features

- Protection class IP-67
- Accuracy +/-1% FSD as Standard, ± 0.5% on request
- 22mm A/F Socket
- Unit Of Measurement- mmWC, kg/cm², Bar, PSIG, Kpa mBar
- Range: (-) 1 to 1000 kg/cm²
- Compliance to latest EN- 837 Standard
- Micrometer Pointer for Reset

Technical Specifications

Reference standard : EN-837
Dial : 100mm, 150mm, in aluminium white background with black markings
Case : SS304 with Bayonet Bezel as a standard
SS316, Diecast Aluminium with screwed bezel, epoxy painted black (on request)
Protection : Weatherproof to IP-67 (IS/IEC 60529:2001)
Bourdon Size : 63mm dia as a standard, 110mm dia (on request)
Bourdon Material : SS316 as Standard, MONEL (on request)
Socket : 22mm A/F in SS316 as Standard, SS316L, Monel (on request)
Movement : SS304, SS316
Connection : ½” NPT (M) as standard (Any other on request)
Range : Minimum Span of 0.4Kg/cm² up to maximum 1000 Kg/cm² (Ref Standard EN 837)
Accuracy : ± 1% FSD (In accordance with EN 837)
Over range : 130% FSD
Temp Suitability : (-) 20 Deg C to 60 Deg C (Service Temperature)
Zero Adjustment : Micrometer Pointer
Blow Out Disc : Provided (Top Mounted)
Optional
- 1) Glycerine Filled Case
- 2) IBR Certification
- 3) Maxima Indicating Pointer
- 4) Snubber
- 5) NACE Certification
- 6) Adjustable Swivel Connection for better positioning and rotation of the Gauge
- 7) Pressure Gauge in Non Ferrous Materials
- 8) Restrictor in Stainless Steel
Chemical (Diaphragm) Seal Pressure Gauges

A Chemical (diaphragm) seal is a flexible membrane that seals and isolates an enclosure. The flexible nature of this seal allows pressure effects to cross the barrier but not the material being contained.

Common uses for chemical (diaphragm) PG seals are to protect pressure sensors from the fluid whose pressure is being measured.

Technical Specifications

- **Dial**: 100mm, 150mm in aluminium white background with black markings
- **Case**: SS304 / SS316 with Bayonet Bezel as a standard. Diecast Aluminium with screwed bezel, epoxy painted black (on request)
- **Protection**: Weatherproof to IP-67 (IS/IEC 60529:2001)
- **Bourdon Size**: 63mm dia as a Standard, 110mm dia (on request)
- **Bourdon Material**: SS316
- **Socket**: 22mm A/F in SS316
- **Movement**: SS304 / SS316
- **Connection to Seal**: Screwed
- **Range**: 0-2.5 Kg/cm² and above
- **Accuracy**: ±1% FSD as Standard (In accordance with EN 837)
- **Over range**: 130% FSD
- **Suitability**: (-) 20 Deg C to 60 Deg C (Service Temperature)
- **Zero Adjustment**: Micrometer Pointer
- **Blow Out Disc**: Provided (Top Mounted)
- **Filled Fluid**: Silicone Oil as a Standard
- **Seal Top Flange**: CS / SS304 / SS316
- **Seal Bottom Flange**: SS304 / SS316 / SS316L / SS316+PTFE
- **Chemical Seal (Diaphragm)**: SS316, SS316+PTFE, PTFE
- **Reference standard**: EN-837
- **Optional**:
  1) Provision of Capillary in case of Remote Sensing Gauge
  2) Bottom Flange equipped with Flushing Connection
  3) Welded Diaphragm Construction
  4) 'I' Section Type Chemical Seal Arrangement
  5) Flanged, Jacketed, Weld in, Extended and Pancake type Process Connection can be offered
Diaphragm Sensing Pressure Gauges

Such type of Gauges are mostly preferred, where pressures are low, thereby eliminating the use of the Bourdon type due to its insensitivity. In such a assembly, the sensing component is a diaphragm, which is connected to the movement assembly through a ‘Ball & Socket’ arrangement. The Pressure to be measured is transmitted through this Diaphragm to the transmission shaft.

The diaphragm offers dual advantage in such type of assembly. Along with increased sensitivity for low pressure measurement it also serves as an isolation between the process medium and the pressure sensing element.

Technical Specifications

Reference standard: EN-837
Dial: 100mm, 150mm, in aluminium white background with black markings
Case: SS304 with Bayonet Bezel as a Standard
SS316, Diecast Aluminium with screwed bezel, epoxy painted black (On Request)
Protection: Weatherproof to IP-67 (IS/IEC 60529:2001)
Connection: ½” NPT (M) as Standard in SS304
or SS316 (Any other on request)
Range: Min: 0-400mmWC to Max: 0-6000mmWC
Accuracy: ±2% FSD
Over range: 130% FSD
Zero Adjustment: Micrometer Pointer
Top Flange: CS, SS304, SS316
Diaphragm: SS316, PTFE Lined SS316 (Any other on request)
Bottom Flange: SS304, SS316, SS316+PTFE Block,
PTFE lined SS316 (Any other on request)
Capsule Sensing Pressure Gauges

Such types of Pressure gauges are used for low pressure measurement, in NON corrosive process mediums. The sensing element is a capsule which is made up of dual SS316L laser welded diaphragms. Such type of gauges are preferred for their Accuracy in low pressure measurement. The unique compact design is highly suitable for use in many Industrial applications where space can be a major constraint.

Features

- Ingress Protection class IP-67
- Compact Design
- Lowest Span with Increased Accuracy
- All Internal Components in Stainless Steel.

Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial</td>
<td>100mm, 150mm, in aluminium white background with black markings</td>
</tr>
<tr>
<td>Case</td>
<td>SS304 with Bayonet Bezel as a Standard SS316, Diecast Aluminium with screwed bezel, epoxy painted black (on request)</td>
</tr>
<tr>
<td>Protection</td>
<td>Weatherproof to IP-67 (IS/IEC 60529:2001)</td>
</tr>
<tr>
<td>Pointer</td>
<td>Aluminium</td>
</tr>
<tr>
<td>Capsule</td>
<td>SS316</td>
</tr>
<tr>
<td>Socket</td>
<td>SS316 / SS316L</td>
</tr>
<tr>
<td>Movement</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Connection</td>
<td>½&quot; NPT (M) as Standard in SS304 or SS316 (Any other on request)</td>
</tr>
<tr>
<td>Range</td>
<td>Min: 0-60mmWC to Max: 0-6000mmWC (Some Ranges are restricted for 100mm Dial Size)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±2% FSD</td>
</tr>
<tr>
<td>Over range</td>
<td>110% FSD</td>
</tr>
<tr>
<td>Zero Adjustment</td>
<td>Internal Micrometer Pointer</td>
</tr>
</tbody>
</table>
Solid Front (All Safety Pattern) Pressure Gauges

Such types of Pressure gauges are designed to be used in Process Industries where safety requirements are of prime importance. They are strategically designed with a solid front and a Blow out back which is detached from the assembly in case of the Bourdon Rupture, which can happen due to excess pressure developed in the system.

Features
- Ingress Protection class IP-67
- Safety Pattern (Solid Metallic Front)
- Micrometer Pointer
- All Components in Stainless Steel.

Technical Specifications

Reference Standard : EN 837
Dial : 100mm, 150mm, in aluminium white background with black markings
Case : SS304 with Bayonet Bezel as a Standard SS316 (on request)
Protection : Weatherproof to IP-67 (IS/IEC 60529:2001)
Bourdon Size : 63mm dia as a standard, 110mm dia (on request)
Bourdon Material : SS316
Socket Material : 22mm A/F in SS316 as Standard, SS316L, Monel (on request)
Movement : SS304, SS316
Range : As per EN 837, minimum Span of 0.4Kg/cm² upto maximum 1000 Kg/cm²
Accuracy : ± 1% FSD
Over range : 130% FSD
Suitability : (-) 20 Deg C to 60 Deg C (Service Temperature)
Zero Adjustment : Micrometer Pointer
Optional : 1) Glycerine Filled Case
           2) NACE Certification
Some Special Purpose Pressure Gauges

**Receiver Gauges**

High quality gauge designed to work with a pneumatic transmitter or controller.

Stainless Steel wetted parts. Range of 3-15 Psi or 0.2 to 1 Kg/m² as Standard, any other on request. Reliable indication of changes in pressure, temperature, flow, level, or other measured variables.

- **Dial**: 100mm, 150mm
- **Case**: SS304 as a Standard Aluminium, SS316 (on request)
- **Mounting**: Local, Surface or Panel Mounted
- **Entry**: Bottom, Back

*Note: Linear Dial Marking offered as Standard (Square Root on request)*

**Vacuum / Compound Gauges**

A compound gauge is a device that can display both positive and negative (vacuum) pressures. A compound gauge is used when measuring a system that is exerting both positive and negative pressure on the gauge.

Vacuum gauges, measure pressure in units of inches of mercury (in Hg).

The needle in a compound gauge will move clockwise when measuring positive pressure and counterclockwise when measuring negative pressure.

- **Dial**: 100 mm, 150 mm
- **Case**: SS304 as a standard Aluminium, SS316 (on request)
- **Mounting**: Local, Surface or Panel Mounted
- **Entry**: Bottom, Back

*Note: Lowest Range: (-) 1 Kg/cm² to 0 or 0-760mm Hg Vac or (-)5000mm WC to (+)5000mm WC. (Any other on request)*

**Oxygen/Acetylene Gauges**

We exercise extreme care in the manufacture and testing of this gauge, and in the subsequent cleaning and handling of oxygen / Acetylene gauges and their connections, so that they are kept absolutely free of oil and grease. Bourdon Sensing Pressure Gauges are offered in such type.

- **Dial**: 100 mm, 150 mm

**Ammonia Gauges**

Ammonia gauges requirements for the agricultural, industrial, OEM, and refrigeration markets are increasing day by day. We have intensified our focus on the ammonia pressure gauge market to bring our knowledge and customer service to an industry based on quality and service. Ammonia pressure gauges are designed for rugged performance in the measurement of vacuum and pressure for any system or piece of equipment that is charged with ammonia.

- **Dial**: 100 mm, 150 mm
Hygiene Gauges

These types of Gauges are specifically designed to be crevice free with flush diaphragms for all hygienic applications. They contain no filling fluid which would contaminate the process, should a failure of the unit occur. Complying with the most stringent of hygiene regulations, it is available with a full range of connections and operating pressures.

Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference Standard</td>
<td>EN 837</td>
</tr>
<tr>
<td>Dial</td>
<td>100mm, 150mm, in aluminium white background with black markings</td>
</tr>
<tr>
<td>Case</td>
<td>SS304 with Bayonet Bezel as a standard SS316 (on request)</td>
</tr>
<tr>
<td>Protection</td>
<td>Weatherproof to IP - 67 (IS/IEC 60529:2001)</td>
</tr>
<tr>
<td>Bourdon Size</td>
<td>63mm dia as a standard, 110mm dia (on request)</td>
</tr>
<tr>
<td>Bourdon Material</td>
<td>SS316</td>
</tr>
<tr>
<td>Socket Material</td>
<td>22mm A/F in SS316 as Standard, SS316L, Monel (on request)</td>
</tr>
<tr>
<td>Movement</td>
<td>SS304, SS316</td>
</tr>
<tr>
<td>Range</td>
<td>As per EN 837, minimum Span of 0.4Kg/cm² upto maximum 1000 Kg/cm²</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 1% FSD</td>
</tr>
<tr>
<td>Over range</td>
<td>130% FSD</td>
</tr>
<tr>
<td>Suitability</td>
<td>(-)20 Deg C to 60 Deg C (Service Temperature)</td>
</tr>
<tr>
<td>Zero Adjustment</td>
<td>Micrometer Pointer</td>
</tr>
</tbody>
</table>
| Optional             | 1) Glycerine Filled Case  
                        2) NACE Certification |
A Indicating Pressure Switch is a form of switch that closes an electrical contact when a certain set pressure has been reached on its input. It offers a dual advantage of Indication and Switching. The switch may be designed to make contact either on pressure rise or on pressure fall. Because of their robust design, they are suitable for harsh environment and most corrosive media and meet stringent demands to bring the advantages of high accuracy, long term stability and protection against water jets and dust on their moving parts.

### Features
- Reliable and accurate multi-stage Pressure Switches
- Dual Performance of Indication and Switch
- Low Hysterisis
- Flameproof or Weatherproof Housing

### Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial</td>
<td>100mm, 150mm, in aluminium white background with black markings</td>
</tr>
<tr>
<td>Case</td>
<td>SS304 with Bayonet Bezel as a standard</td>
</tr>
<tr>
<td></td>
<td>SS316, Diecast Aluminium with screwed bezel, epoxy painted black (on request)</td>
</tr>
<tr>
<td>Protection</td>
<td>Weatherproof to IP-67 (IS/IEC 60529:2001), Flameproof to IIA IIB</td>
</tr>
<tr>
<td>Bourdon Size</td>
<td>63mm dia as a Standard, 110mm dia (on request)</td>
</tr>
<tr>
<td>Bourdon Material</td>
<td>SS316 as Standard, Monel on request</td>
</tr>
<tr>
<td>Socket Material</td>
<td>SS316 as Standard, Monel on request</td>
</tr>
<tr>
<td>Movement</td>
<td>SS304 / SPDT Microswitch movement (Imported from Germany) as per the type of switch required</td>
</tr>
<tr>
<td>Range</td>
<td>(-)1 to 600 kg/cm²</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±1% FSD for Indication and ±2% FSD for Switching</td>
</tr>
<tr>
<td>Over range</td>
<td>±130% FSD</td>
</tr>
<tr>
<td>Blow Out Disc</td>
<td>Provided</td>
</tr>
<tr>
<td>Contacts for Switching</td>
<td>a) 1 SPST, Single, Open Normally, Closes on rise in Pressure or Vice Versa rated 30VA@230VAC</td>
</tr>
<tr>
<td></td>
<td>b) 2 SPST, Dual Contacts, Individually adjustable, one closed one open, both open, both closed rated 30VA@230VAC</td>
</tr>
<tr>
<td></td>
<td>c) 1 SPDT, Single Microswitch, adjustable over entire span rated 5A@230VAC</td>
</tr>
<tr>
<td></td>
<td>d) 2 SPDT, Dual Microswitch, adjustable over entire span rated 5A@230VAC</td>
</tr>
</tbody>
</table>
Accessories

**Snubber**
A pressure gauge snubber is installed in the line that leads to the pressure gauge. The purpose of the snubber is to dampen the oscillations and thus provide a steady reading and protection for the gauge.

MOC: CS, SS304, SS316, Monel (Any other on request)
Connection: ½” NPT (F) x 1/2” NPT (M) as a Standard. (Any other on request)

**Gauge Saver**
The gauge saver is a piston valve designed to protect pressure gauges against over pressure. The high rate of gauge repairs indicates over pressure at many measuring points which exceed not only the normal operating pressure by far but also the measuring range of the pressure gauge. Such pressure peaks destroy the measuring system of the pressure gauge. Expenses for disassembly of the damaged instrument, reassembly of a new gauge and repair of the damaged one are the consequences. This can be avoided by using dependably working gauge savers.

MOC: CS, SS304, SS316, Monel (Any other on request)
Connection: ½” NPT as a standard. (Any other on request)

**Syphon**
A pressure gauge syphon is a simple device used to protect a pressure sensor from high-temperature media, such as steam. It can also be used to reduce the potentially damaging effects of rapid pressure changes. These low-cost devices allow system builders to use a pressure sensor with a much lower temperature range in high-temperature applications. Can be offered with IBR Certification if required.

MOC: CS, SS304, SS316, Monel (Any other on request)
Connection: ½” NPT (F) x 1/2” NPT (M) as a Standard. (Any other on request)

**Two Way Isolation Valve**
These are needle type valves used for Isolation of the process and the Pressure Gauge.

MOC: CS, SS304, SS316, Monel (Any other on request)
Connection: ½” NPT (F) x 1/2” NPT (M) as a Standard. (Any other on request)

**Three Way Isolation Valve**
These valves are also used for Isolation of the process and the Pressure Gauge. These type have Drainage Facility.

MOC: CS, SS304, SS316, Monel (Any other on request)
Connection: ½” NPT (F) x 1/2” NPT (F) x 1/2” NPT (M) as a standard. (Any other on request)

**Gauge Union**
It is used for positive sealing while the pressure gauge may be directed into any direction.

MOC: CS, SS304, SS316, Monel (Any other on request)
Connection: 1/2” NPT (M) as a Standard. (Any other on request)
In-House Testing facilities for Pressure Gauges

For the manufacturing & testing of Pressure gauges, we follow EN : 837 standard.
Following tests are carried out to ensure the quality of Pressure gauges. We have facilities to carry out following tests in-house at our manufacturing plant.

1) Visual Inspection
2) Dimensional Check
3) Hysteresis Test
4) Accuracy Test
5) Degree of Protection Test
6) Leak Test
7) Mechanical Vibration Suitability Test
8) Mounting Position Test
9) Steady Pressure Endurance Test
10) Over Pressure Endurance Test
11) Test Set Up for Endurance, Pulsation and Stress Relieving (Test Facility Under Commissioning)
12) Helium Leak Test for High Reliability and Safety Requirement
13) Hydraulic Dead Weight Test-Model No-CPB5800 (DH-Budenberg Make)

The suggestions and recommendations made in this catalogue are to be used as intended guide only. We do not guarantee performance of the material due to various external factors. As improvements and developments is a continuous process, the specifications provided can be revised regularly without any notification thereon.
Some of our Valued Customers

- Saint-Gobain Seva Engineering
- Tata Chemicals Ltd.
- Hindustan Chemicals Company
- India Oil Tanking Ltd.
- Meghmani Finechem Limited
- Endress+Hauser (India) Pvt. Ltd.
- Solaris Chemtech
- S. S. Engineers
- Yokogawa India Ltd.
- Shanti Gears Ltd.
- United Industries
- Monnet Ispat & Energy Ltd.
- Kalyani Gerdau Steels
- Shriram Epc Ltd.
- Veesons Energy
- Multi Organics Pvt Ltd.
- Prolific Systems And Technologies Pvt. Ltd.
- Southern Petrochemicals
- SRF Limited
- Hindalco Industries
- Bilt Graphic Paper Products Ltd.
- Indian Acrylics Ltd.
- Tamilnadu Petro Products Ltd.
- Veesons Energy
- Micromax Systems Pvt. Ltd.
- Abb Ltd-Bangalore
- KG Denim Limited
- Chemplast Sanmar Ltd.
- Styrolution ABS (India) Ltd.
- Essar Power Gujarat Ltd.
- Rainbow Papers Ltd.
- Industrial Instruments
- Shriram Non Conventional Energy Ltd.
- Atul Ltd.
- Gail Pata
- Jindal Steel & Power Ltd.
- Allied Furnaces Pvt. Ltd.
- Govind Poy Oxygen Ltd.
- Paradeep Phosphates Limited
- Rama Newsprint And Papers Ltd.
- P. T. Indo-Bharat Rayon
- Eco Cane Sugar Energy Ltd.
- Advance Ventilation Pvt. Ltd.
- Chambal Fertilisers and Chemicals Ltd.
- Clique Solar
- Jasubhai Engg. Pvt. Ltd.
- E & C Projects Pvt. Ltd.
- Gharda Chemicals
- Greensol Power Systems Pvt. Ltd.
- Indian Rare Earths Ltd.
- Clique Developments Ltd.
- Facor Power Ltd
- Del Controls Ltd.
- Essar Power Gujarat Ltd.
- Cetex Petrochemicals Ltd.
- Bhel-Bangladesh
- Bhushan Power & Steel Ltd.
- Manali Petrochemicals Ltd.
- Indian Additives Ltd.
- Vadinar Power Company Ltd.
- Indo Rama Synthetics Ltd.
- Inox Air Products Ltd.
- Chennai Petroleum Corporation Ltd.
- Coromandel International Ltd.
- Grasim Industries Ltd.
- India Glycols Ltd.
- ISGEC Heavy Engineering Ltd.
- Jubilant Lifesciences
- Konstelec Engineers Pvt Ltd.
- S. S. Company
### Pressure Conversion Chart

<table>
<thead>
<tr>
<th>To</th>
<th>psi</th>
<th>mbar</th>
<th>bar</th>
<th>atm</th>
<th>pa</th>
<th>kPa</th>
<th>MPa</th>
<th>mmH₂O</th>
<th>in.H₂O</th>
<th>mmHg</th>
<th>in.Hg</th>
<th>kg/cm²</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>psi</td>
<td>1</td>
<td>68.95</td>
<td>0.0689</td>
<td>0.0681</td>
<td>6895</td>
<td>6.895</td>
<td>0.006895</td>
<td>703.8</td>
<td>27.71</td>
<td>51.715</td>
<td>2.036</td>
<td>0.0704</td>
</tr>
<tr>
<td>mbar</td>
<td>0.0145</td>
<td>1</td>
<td>0.001</td>
<td>0.00967</td>
<td>100</td>
<td>0.100</td>
<td>0.0001</td>
<td>10.21</td>
<td>0.402</td>
<td>0.75</td>
<td>0.0295</td>
<td>0.00102</td>
</tr>
<tr>
<td>bar</td>
<td>14.504</td>
<td>1000</td>
<td>1</td>
<td>0.987</td>
<td>100000</td>
<td>100</td>
<td>0.1</td>
<td>1020.1</td>
<td>401.9</td>
<td>750.1</td>
<td>29.53</td>
<td>1.02</td>
</tr>
<tr>
<td>atm</td>
<td>14.71</td>
<td>1013.25</td>
<td>1.01325</td>
<td>1</td>
<td>101325</td>
<td>101.325</td>
<td>1.013</td>
<td>10343</td>
<td>407.2</td>
<td>760.0</td>
<td>29.92</td>
<td>1.033</td>
</tr>
<tr>
<td>pa</td>
<td>0.00145</td>
<td>0.01</td>
<td>0.0001</td>
<td>0.0001</td>
<td>1</td>
<td>0.001</td>
<td>0.00001</td>
<td>0.102</td>
<td>0.00402</td>
<td>0.0075</td>
<td>0.000295</td>
<td>0.00001</td>
</tr>
<tr>
<td>kPa</td>
<td>0.014504</td>
<td>10.0</td>
<td>0.01</td>
<td>0.00987</td>
<td>1000</td>
<td>1</td>
<td>0.001</td>
<td>102.07</td>
<td>4.019</td>
<td>7.5</td>
<td>0.295</td>
<td>0.0102</td>
</tr>
<tr>
<td>MPa</td>
<td>145.04</td>
<td>10000</td>
<td>10</td>
<td>9.87</td>
<td>1000000</td>
<td>1000</td>
<td>1</td>
<td>10197.16</td>
<td>4014.6</td>
<td>7500.6</td>
<td>295.3</td>
<td>10.2</td>
</tr>
<tr>
<td>mmH₂O</td>
<td>0.001421</td>
<td>0.098</td>
<td>0.00098</td>
<td>0.00097</td>
<td>9.8</td>
<td>0.0098</td>
<td>0.000098</td>
<td>1</td>
<td>0.0394</td>
<td>0.0735</td>
<td>0.00289</td>
<td>0.0001</td>
</tr>
<tr>
<td>in.H₂O</td>
<td>0.0361</td>
<td>2.488</td>
<td>0.002488</td>
<td>0.00246</td>
<td>248.8</td>
<td>0.2488</td>
<td>0.00025</td>
<td>25.4</td>
<td>1.866</td>
<td>0.0735</td>
<td>0.00254</td>
<td></td>
</tr>
<tr>
<td>mmHg</td>
<td>0.01934</td>
<td>1.333</td>
<td>0.001333</td>
<td>0.001316</td>
<td>133.3</td>
<td>1.333</td>
<td>0.00013</td>
<td>13.61</td>
<td>0.536</td>
<td>1</td>
<td>0.0394</td>
<td>0.00136</td>
</tr>
<tr>
<td>in.Hg</td>
<td>0.4912</td>
<td>33.86</td>
<td>0.03386</td>
<td>0.03342</td>
<td>338.6</td>
<td>3.386</td>
<td>0.00386</td>
<td>345.7</td>
<td>13.61</td>
<td>25.4</td>
<td>1</td>
<td>0.0345</td>
</tr>
<tr>
<td>kg/cm²</td>
<td>14.22</td>
<td>960.7</td>
<td>0.9807</td>
<td>0.965</td>
<td>98067</td>
<td>98.067</td>
<td>0.0981</td>
<td>10010</td>
<td>394.1</td>
<td>735.6</td>
<td>28.96</td>
<td>1</td>
</tr>
</tbody>
</table>
M/s. Goa Instruments Industries Pvt Ltd
D2/5, Mapusa Industrial Estate, Mapusa, Goa - 403507, INDIA
Tel.: 0832-2262872/2262610   Fax: 0832-2262814
Email: sales@goainstruments.com    Web: www.goainstruments.com

BRANCHES

GOA BRANCH
D2/5, Mapusa, Industrial Estate,
Mapusa. Goa - 403 507
Tel. No. 0832-2262872
Email: goa@goainstruments.com
Contact: 09371644248

MUMBAI BRANCH
Gala no.314, 3rd Floor, Udyog Mandir No.1,
B.K. Marg, Nr. Paradise Cinema,
Mahim, Mumbai - 400 016
Tel.no. 022-24441136
Email: mumbai@goainstruments.com
Contact : 09372865722

DELIHI BRANCH
710, Shakuntla Apartments,
59, Nehru Place, New Delhi -110 019
Tel. No. 011-46542667
Email: delhi@goainstruments.com
Contact: 09313854099

CHENNAI BRANCH
Vaishnavi Appts., Flat No.27/1, Mahavir Nagar,
2nd Main Road, Kolathur, Chennai - 600 099
Tel.No. 044-26501076
Email: chennai@goainstruments.com
Contact: 09380848263

KOLKATA BRANCH
P-58, First Floor, Pragati Palli,
Lake Town, Kolkata - 700 089
Email: kolkata@goainstruments.com
Contact: 09331456788

BARODA BRANCH
801/A, Yashkamal Building, Tilak Road
Sayaji Gunj, Vadodara - 390 005
Tel. No. 0265-3914633
Email: baroda@goainstruments.com
Contact: 09327003311

BANGLADESH BRANCH
No.60, 12th Cross, Laxmaiah Block,
Off Bellary Road, Ganga Nagar,
Bangalore - 560 024
Email-bangalore@goainstruments.com
Contact: 09379013326

PUNE BRANCH
406, BR-1 Jai Ganesh Vision Akurdi Chowk
Akurdi, Pune - 411 035
Email: pune@goainstruments.com
Contact: 09325614155