



**GENERAL  
LABORATORY  
INSTRUMENTS**



ISO 9001 : 2008 CERTIFIED COMPANY

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## SIEVES. 20/30cm DIA BRASS FINE SERIES.

As Per IS 460 (Part I) - 1962.

Made of Brass Frame, without joint.

Following apertures are available in 20cm & 30cm Dia Sieves.



| ORDER CODE                         | BSS MESH No. | ASTM MESH No. | ISS MESH No. | WIDTH OF APERTURE |
|------------------------------------|--------------|---------------|--------------|-------------------|
| AIC-SFS-20B4.75 / AIC-SFS-30B4.75. | -            | 4             | -            | 4.75mm            |
| AIC-SFS-20B4.00 / AIC-SFS-30B4.00. | 4            | 5             | 480          | 4.00mm            |
| AIC-SFS-20B3.35 / AIC-SFS-30B3.35. | 5            | 6             | 340          | 3.35mm            |
| AIC-SFS-20B2.80 / AIC-SFS-30B2.80. | 6            | 7             | 280          | 2.80mm            |
| AIC-SFS-20B2.36 / AIC-SFS-30B2.36. | 7            | 8             | 240          | 2.36mm            |
| AIC-SFS-20B2.00 / AIC-SFS-30B2.00. | 8            | 10            | 200          | 2.00mm            |
| AIC-SFS-20B1.70 / AIC-SFS-30B1.70. | 10           | 12            | 170          | 1.70mm            |
| AIC-SFS-20B1.40 / AIC-SFS-30B1.40. | 12           | 14            | 140          | 1.40mm            |
| AIC-SFS-20B1.18 / AIC-SFS-30B1.18. | 14           | 16            | 120          | 1.18mm            |
| AIC-SFS-20B1.00 / AIC-SFS-30B1.00. | 16           | 18            | 100          | 1.00mm            |
| AIC-SFS-20B850M / AIC-SFS-30B850M. | 18           | 20            | 85           | 850microns        |
| AIC-SFS-20B710M / AIC-SFS-30B710M. | 22           | 25            | 70           | 710microns        |
| AIC-SFS-20B600M / AIC-SFS-30B600M. | 25           | 30            | 60           | 600microns        |
| AIC-SFS-20B500M / AIC-SFS-30B500M. | 30           | 35            | 50           | 500microns        |
| AIC-SFS-20B425M / AIC-SFS-30B425M. | 36           | 36            | 40           | 425microns        |
| AIC-SFS-20B355M / AIC-SFS-30B355M. | 44           | 45            | 35           | 355microns        |
| AIC-SFS-20B300M / AIC-SFS-30B300M. | 52           | 50            | 30           | 300microns        |
| AIC-SFS-20B250M / AIC-SFS-30B250M. | 60           | 60            | 25           | 250microns        |
| AIC-SFS-20B212M / AIC-SFS-30B212M. | 72           | 70            | 20           | 212microns        |
| AIC-SFS-20B180M / AIC-SFS-30B180M. | 85           | 80            | 18           | 180microns        |
| AIC-SFS-20B150M / AIC-SFS-30B150M. | 100          | 100           | 15           | 150microns        |
| AIC-SFS-20B125M / AIC-SFS-30B125M. | 120          | 120           | 12           | 125microns        |
| AIC-SFS-20B106M / AIC-SFS-30B106M. | 150          | 140           | 10           | 106microns        |
| AIC-SFS-20B090M / AIC-SFS-30B090M. | 170          | 170           | 9            | 90microns         |
| AIC-SFS-20B075M / AIC-SFS-30B075M. | 200          | 200           | 8            | 75microns         |
| AIC-SFS-20B063M / AIC-SFS-30B063M. | 240          | 230           | 7            | 63microns         |
| AIC-SFS-20B053M / AIC-SFS-30B053M. | 300          | 270           | 6            | 53microns         |
| AIC-SFS-20B050M / AIC-SFS-30B050M. | -            | -             | -            | 50microns         |
| AIC-SFS-20B045M / AIC-SFS-30B045M. | 350          | 325           | 4            | 45microns         |
| AIC-SFS-20B040M / AIC-SFS-30B040M. | -            | -             | -            | 40microns         |
| AIC-SFS-20B038M / AIC-SFS-30B038M. | 400          | 400           | -            | 38microns         |
| AIC-SFS-20B032M / AIC-SFS-30B032M. | 450          | -             | -            | 32microns         |
| AIC-SFS-20B025M / AIC-SFS-30B025M. | 500          | -             | 2            | 25microns         |
| AIC-SFS-20B020M / AIC-SFS-30B020M. | 635          | -             | -            | 20microns         |
| AIC-SFS-20BLP / AIC-SFS-30BLP.     | Lid – Pan.   |               |              |                   |



## SIEVES. 30/45 cm DIA G.I. COARSE SERIES.

As Per IS 460 - 1962.

Made of G. I. Perforated steel plate having square punch of following sizes in 30cm & 45cm Dia frames.

| ORDER CODE                         | SQUARE PUNCH SIZE |
|------------------------------------|-------------------|
| AIC-SCS-30G125 / AIC-SCS-45G125.   | 125mm             |
| AIC-SCS-30G106 / AIC-SCS-45G106.   | 106,,             |
| AIC-SCS-30G100 / AIC-SCS-45G100.   | 100mm             |
| AIC-SCS-30G090 / AIC-SCS-45G090.   | 90mm              |
| AIC-SCS-30G080 / AIC-SCS-45G080.   | 80mm              |
| AIC-SCS-30G075 / AIC-SCS-45G075.   | 75mm              |
| AIC-SCS-30G063 / AIC-SCS-45G063.   | 63mm              |
| AIC-SCS-30G053 / AIC-SCS-45G053.   | 53mm              |
| AIC-SCS-30G050 / AIC-SCS-45G050.   | 50mm              |
| AIC-SCS-30G045 / AIC-SCS-45G045.   | 45mm              |
| AIC-SCS-30G040 / AIC-SCS-45G040.   | 40mm              |
| AIC-SCS-30G37.5 / AIC-SCS-45G37.5. | 37.5mm            |
| AIC-SCS-30G31.5 / AIC-SCS-45G31.5. | 31.5mm            |
| AIC-SCS-30G26.5 / AIC-SCS-45G26.5. | 26.5mm            |
| AIC-SCS-30G025 / AIC-SCS-45G025.   | 25mm              |
| AIC-SCS-30G22.4 / AIC-SCS-45G22.4. | 22.4mm            |
| AIC-SCS-30G020 / AIC-SCS-45G020.   | 20mm              |
| AIC-SCS-30G019 / AIC-SCS-45G019.   | 19mm              |
| AIC-SCS-30G016 / AIC-SCS-45G016.   | 16mm              |
| AIC-SCS-30G13.2 / AIC-SCS-45G13.2. | 13.2mm            |
| AIC-SCS-30G12.5 / AIC-SCS-45G12.5. | 12.5mm            |
| AIC-SCS-30G11.5 / AIC-SCS-45G11.5. | 11.5mm            |
| AIC-SCS-30G11.2 / AIC-SCS-45G11.2. | 11.2mm            |
| AIC-SCS-30G010 / AIC-SCS-45G010.   | 10mm              |
| AIC-SCS-30G09.5 / AIC-SCS-45G09.5. | 9.5mm             |
| AIC-SCS-30G008 / AIC-SCS-45G008.   | 8mm               |
| AIC-SCS-30G06.3 / AIC-SCS-45G06.3. | 6.3mm             |
| AIC-SCS-30G05.6 / AIC-SCS-45G05.6. | 5.6mm             |
| AIC-SCS-30G4.75 / AIC-SCS-45G4.75. | 4.75mm            |
| AIC-SCS-30G3.35 / AIC-SCS-45G3.35. | 3.35mm            |
| AIC-SCS-30G2.36 / AIC-SCS-45G2.36. | 2.36mm            |
| AIC-SCS-30G1.18 / AIC-SCS-45G1.18. | 1.18mm            |
| AIC-SCS-30GLP / AIC-SCS-45GLP.     | LID & PAN SET     |



## GYRATORY SIEVE SHAKER. MOTORISED.

These Sieve Shakers can carry up to 6 sieves & 1 Lid Pan Set of 200mm, 300mm or 450 mm Diameter depends upon model.

The shaker is driven by  $\frac{1}{4}$  or  $\frac{1}{2}$  HP, 1440 RPM motor through a reduction gear immersed in oil. The sieve table does not rotate but is inclined from the vertical axis and the direction of inclination changes progressively in clockwise direction. In addition to this gyratory motion of the table, there is an upward and downward movement ensuring that each square cm of the sieve is utilised. The stop pin below the table is provided for only upward & downward motion. A pair of rods and a holder is supplied.

The holder can be fixed on the top of the upper most sieves and thus the sieve set is firmly held.

These Sieve Shakers are either fitted with 0-60minutes Mechanical Timer or Standalone 00-99.59minutes Digital Timer.

Suitable for operation on 230 Volts, 50 Cycles, Single Phase, AC Supply.



| ORDER CODE       | CAN CARRY SIEVE OF   | MOTOR            | TIMER      |
|------------------|----------------------|------------------|------------|
| AIC-SSGM-20.     | 200mm Dia            | $\frac{1}{4}$ HP | Mechanical |
| AIC-SSGD-20.     | 200mm Dia            | $\frac{1}{4}$ HP | Digital    |
| AIC-SSGM-2030.   | 200 & 300mm DIA      | $\frac{1}{2}$ HP | Mechanical |
| AIC-SSGD-2030.   | 200 & 300mm DIA      | $\frac{1}{2}$ HP | Digital    |
| AIC-SSGM-203045. | 200, 300 & 450mm DIA | $\frac{1}{2}$ HP | Mechanical |
| AIC-SSGD-203045. | 200, 300 & 450mm DIA | $\frac{1}{2}$ HP | Digital    |

## SIEVE SHAKER. HAND OPERATED



This is a bench type model, which is portable, sturdy and convenient for bench mounting. The side-to-side rocking motion carrier can accommodate 7 sieves.

**AIC-SSHO-20.**

**SIEVE SHAKER HAND OPERATED. 20cm.**  
Used for 20cm Dia Sieves.

**AIC-SSHO-2030.**

**SIEVE SHAKER HAND OPERATED. 30cm.**  
Used for 20 & 30cm Dia Sieves.

**AIC-SSHO-203045.**

**SIEVE SHAKER HAND OPERATED. 45cm.**  
Used for 20, 30 & 45cm Dia Sieves.

## HOT AIR OVENS.



- Construction : Double Walled. 75 mm thick glass wool insulation. Outer Chamber made of Powder Coated Mild Steel / Stainless Steel. Inner Chamber made of Stainless Steel.
- Temperature Range : 50°C to 250°C.
- Temp. Control & Display : Sensitive Thermostat with Built-in Thermometer / Dual Display Microprocessor Based PID Temperature Controller cum Indicator.
- Temp. Control Accuracy :  $\pm 2^{\circ}\text{C}$  in Thermostatic Models /  $\pm 1^{\circ}\text{C}$  for Microprocessor Based Models
- Heating Elements : Made of 80/20 Nichrome Wires. Heaters are placed in the both sides & bottom of the Oven.
- Standard Supply Operated On : Trays made from S.S. Rods. Three Core Wire with Plug.  
: 230 V, 50 Hz, Single Phase, AC Supply.

| ORDER CODE                          | Size (Cm) | Inner Chamber | Outer Chamber          | Temperature Controller & Indicator | Trays | Forced Air Circulation |
|-------------------------------------|-----------|---------------|------------------------|------------------------------------|-------|------------------------|
| AIC-HAO-T3030S.                     | 30x30x30  | S.S.          | CRC Powder Coated      | Thermostat & Thermometer           | 1     | No                     |
| AIC-HAO-D3030S / AIC-HAO-D3030SS.   | 30x30x30  | S.S.          | CRC Powder Coated / SS | Microprocessor Dual Display        | 1     | No                     |
| AIC-HAO-T3535S.                     | 35x35x35  | S.S.          | CRC Powder Coated      | Thermostat & Thermometer           | 1     | No                     |
| AIC-HAO-D3535S / AIC-HAO-D3535SS.   | 35x35x35  | S.S.          | CRC Powder Coated / SS | Microprocessor Dual Display        | 1     | No                     |
| AIC-HAO-T4545S.                     | 45x45x45  | S.S.          | CRC Powder Coated      | Thermostat & Thermometer           | 2     | No                     |
| AIC-HAO-TF4545S                     | 45x45x45  | S.S.          | CRC Powder Coated / SS | Microprocessor Dual Display        | 2     | YES                    |
| AIC-HAO-D4545S / AIC-HAO-D4545SS.   | 45x45x45  | S.S.          | CRC Powder Coated      | Thermostat & Thermometer           | 2     | No                     |
| AIC-HAO-DF4545S / AIC-HAO-DF4545SS. | 45x45x45  | S.S.          | CRC Powder Coated / SS | Microprocessor Dual Display        | 2     | YES                    |
| AIC-HAO-TF6045S.                    | 60x45x45  | S.S.          | CRC Powder Coated      | Thermostat & Thermometer           | 3     | YES                    |
| AIC-HAO-DF6045S / AIC-HAO-DF6045SS. | 60x45x45  | S.S.          | CRC Powder Coated / SS | Microprocessor Dual Display        | 3     | YES                    |
| AIC-HAO-TF6060S.                    | 60x60x60  | S.S.          | CRC Powder Coated      | Thermostat & Thermometer           | 3     | YES                    |
| AIC-HAO-DF6060S / AIC-HAO-DF6060SS. | 60x60x60  | S.S.          | CRC Powder Coated / SS | Microprocessor Dual Display        | 3     | YES                    |
| AIC-HAO-TF9060S.                    | 90x60x60  | S.S.          | CRC Powder Coated      | Thermostat & Thermometer           | 3     | YES                    |
| AIC-HAO-DF9060S / AIC-HAO-DF9060SS  | 90x60x60  | S.S.          | CRC Powder Coated / SS | Microprocessor Dual Display        | 3     | YES                    |

**NOTE: Ovens With 400° Care also Available.**



## HOT PLATES

- Construction. : Round / Rectangular Top Plate made of Cast Iron and body made of thick PCRC duly POWDER COATED.
- Temperature Range : Upto 300° C.
- Temp. Controlled By. : Sensitive Thermostat / Digital.



| ORDER CODE      | TOP PLATE TYPE (Round / Rectangular) | TOP PLATE SIZE (cm) | TEMPERATURE CONTROLLER | RATINGS (Watts) |
|-----------------|--------------------------------------|---------------------|------------------------|-----------------|
| AIC-HP-T20CI.   | Round                                | 20                  | Thermostatic           | 1200            |
| AIC-HP-T23CI.   | Round                                | 23                  | Thermostatic           | 1500            |
| AIC-HP-T30CI.   | Round                                | 30                  | Thermostatic           | 2000            |
| AIC-HP-T2530CI. | Rectangular                          | 25x30               | Thermostatic           | 1500            |
| AIC-HP-T2540CI. | Rectangular                          | 25x40               | Thermostatic           | 1500            |
| AIC-HP-T3045CI. | Rectangular                          | 30x45               | Thermostatic           | 2000            |
| AIC-HP-T4560CI. | Rectangular                          | 45x60               | Thermostatic           | 3000            |

## MUFFLE FURNACE - LIGHT WEIGHT. DIGITAL.

- Construction : Double walled with double insulation for minimum heat leakage and faster Temperature rise. The outer casing made of thick CRC Powder Coated, heating chambers consists of rectangular horizontal totally enclosed muffle bracket.
- Heating Elements : Made of Kanthal A1 wire.
- Maximum Temperature : 1200° C.
- Working Temperature : 1130° C.
- Temp. Controlled By : Dual Display Microprocessor Based PID Temperature Controller cum Indicator.
- Temp. Control Accuracy :  $\pm 1^{\circ}\text{C}$
- Standard Supply : Three core wire and three Pin Plug.
- Operated On : 230 V, 50 Hz, Single Phase, AC Supply.



| ORDER CODE      | Size HxWxD               | RATINGS Kw |
|-----------------|--------------------------|------------|
| AIC-MFLW-2210D. | 22.5x10x10cm / 9x4x4"    | 1.5        |
| AIC-MFLW-2512D. | 25x12.5x12.5cm / 10x5x5" | 2.0        |
| AIC-MFLW-3015D. | 30x15x15cm / 12x6x6"     | 3.5        |
| AIC-MFLW-4522D. | 45x22.5x22.5cm / 18x9x9" | 6.0        |

## WATER STILL (MANESTY TYPE).



Made of stainless steel, fitted with immersion type element with iron brackets to be fixed on the wall on which the still can rest, electrically operated on 220 / 230 volts AC with condenser opening facility for ease of periodical cleaning. **The stated output of the still is approximate as it is bound to vary according to the voltage of mains.**

### AIC-WSM-2L.

**WATER STILL (MANESTY TYPE). 2 Ltr. / Hour.**  
Distilled Water Capacity 2 Ltr / Hour (Approx).

### AIC-WSM-4L.

**WATER STILL (MANESTY TYPE). 4 Ltr. / Hour.**  
Distilled Water Capacity 4 Ltr / Hour (Approx).

### AIC-WSM-6L.

**WATER STILL (MANESTY TYPE). 6 Ltr. / Hour.**  
Distilled Water Capacity 6 Ltr / Hour (Approx).

### AIC-WSM-10L.

**WATER STILL (MANESTY TYPE). 10 Ltr. / Hour.**  
Distilled Water Capacity 10 Ltr / Hour (Approx).

## WATERBATH - DOUBLE WALLED. DIGITAL.

|                        |   |
|------------------------|---|
| Construction           | : Double Walled. Inside made of stainless steel. Outer made of CRC / S.S. Powder Coated. Gap between the wall filled with Glass Wool. |
| Temperature Range      | : 5° C above ambient to 100° C.   |
| Controlled By          | : Dual Display Micro Processor Based Digital Temperature Controller cum Indicator.  |
| Temp. Control Accuracy | : $\pm 1^{\circ}$ C or better.  |
| Standard Supply        | : Complete with stainless steel lid. Three Core Wire with Plug.   |
| Operated On            | : 230 V, 50 Hz, Single Phase, AC Supply.  |



| ORDER CODE                           | Size LxWxD (Cm) | INNER CHAMBER | OUTER CHMABER          | STIRRER |
|--------------------------------------|-----------------|---------------|------------------------|---------|
| AIC-WBDD-403015S / AIC-WBDD-403015SS | 40x30x15        | SS            | CRC Powder Coated / SS | Yes     |
| AIC-WBDD-302517S / AIC-WBDD-302517SS | 35x30x25        | SS            | CRC Powder Coated / SS | Yes     |

**NOTE: These Waterbaths can be supplied with 06/12 concentric rings arrangements.**



## WATERBATH - DOUBLE WALLED. THERMOSTATIC.

|                        |   |
|------------------------|---|
| Construction           | : Double Walled. Inside made of stainless steel. Outer made of CRC / S.S. Powder Coated. Gap between the wall filled with Glass Wool. |
| Temperature Range      | : 5° C above ambient to 100° C.   |
| Controlled By          | : Sensitive Thermostat.   |
| Temp. Control Accuracy | : $\pm 2^{\circ}$ C.  |
| Standard Supply        | : Complete with stainless steel lid. Three Core Wire with Plug. (Without Thermometer).  |
| Operated On            | : 230 V, 50 Hz, Single Phase, AC Supply.  |

| ORDER CODE                          | Size LxWxD(Cm) | INNER CHAMBER | OUTER CHMABER          |
|-------------------------------------|----------------|---------------|------------------------|
| AIC-WBD-403015S / AIC-WBD-403015SS. | 40x30x15       | SS            | CRC Powder Coated / SS |
| AIC-WBD-302517S / AIC-WBD-302517SS. | 30x25x17.5     | SS            | CRC Powder Coated / SS |
| AIC-WBD-303025S / AIC-WBD-303025SS. | 30x30x25       | SS            | CRC Powder Coated / SS |
| AIC-WBD-353520S / AIC-WBD-353520SS. | 35x35x20       | SS            | CRC Powder Coated / SS |
| AIC-WBD-352525S / AIC-WBD-352525SS. | 35x25x20       | SS            | CRC Powder Coated / SS |
| AIC-WBD-252020S / AIC-WBD-252020SS. | 25x20x20       | SS            | CRC Powder Coated / SS |

**NOTE: These Waterbaths can be supplied with 06/12 concentric rings arrangements.**



## WATERBATH - CONSTANT TEMPERATURE.



- Construction : Double walled. Inside made of Stainless Steel, Outer made of CRC Powder Coated / S.S. Glass Wool insulation.
- Temperature Range : From 5° C above ambient to 100° C.
- Temp. Controlled By : Dual Display Microprocessor Based Digital Temperature Indicator cum Controller.
- Temp. Control Accuracy :  $\pm 0.5^{\circ}$  C.
- Standard Supply : Complete with a Stirrer mounted on a base and fitted on the side of the bath at the top. Three Core Wire with Plug.
- Operated On : 230 V, 50 Hz, Single Phase, AC Supply.

| ORDER CODE                          | Size<br>LxWxD (Cm) | INNER<br>CHAMBER | OUTER CHMABER          | STIRRER |
|-------------------------------------|--------------------|------------------|------------------------|---------|
| AIC-CTB-373025S / AIC-CTB-373025SS. | 37.5x30x25         | SS               | CRC Powder Coated / SS | Yes     |
| AIC-CTB-353025S / AIC-CTB-353025SS. | 35x30x25           | SS               | CRC Powder Coated / SS | Yes     |
| AIC-CTB-303025S / AIC-CTB-303025SS. | 30x30x25           | SS               | CRC Powder Coated / SS | Yes     |
| AIC-CTB-353520S / AIC-CTB-353520SS. | 35x35x20           | SS               | CRC Powder Coated / SS | Yes     |
| AIC-CTB-352525S / AIC-CTB-352525SS. | 35x25x20           | SS               | CRC Powder Coated / SS | Yes     |
| AIC-CTB-252020S / AIC-CTB-252020SS. | 25x20x20           | SS               | CRC Powder Coated / SS | Yes     |

## WATERBATH - LOW TEMPERATURE.

- Construction : Double walled. Inside made of Stainless Steel 304, Outer made of M.S. Powder Coated. PUFF insulation.
- Temperature Range : From 5° C to 60° C.
- Temp. Controlled By : Dual Display Microprocessor Based Digital Temperature Indicator cum Controller.
- Temp. Control Accuracy :  $\pm 1^{\circ}$  C.
- Standard Supply : Complete with a Stirrer fitted on the side of the bath at the top. Three Core Wire with Plug.
- Operated On : 230 V, 50 Hz, Single Phase, AC Supply.



| ORDER CODE                          | Size<br>LxWxD (Cm) | INNER<br>CHAMBER | OUTER CHMABER          | STIRRER |
|-------------------------------------|--------------------|------------------|------------------------|---------|
| AIC-LTB-202020S / AIC-LTB-202020SS. | 37.5x30x25         | SS               | CRC Powder Coated / SS | Yes     |
| AIC-LTB-252020S / AIC-LTB-252020SS. | 35x30x25           | SS               | CRC Powder Coated / SS | Yes     |

**NOTE : Other Sizes Also Can Be Made On Request.**

## HUMIDITY CHAMBERS (ENVIRONMENTAL CHAMBER). WITH REFRIGERATION SYSTEM.



|                        |   |
|------------------------|---|
| Construction           | : Double walled. Inside Chamber made of Stainless Steel, Outer Body made of CRC / G.I. Powder Coated. Inner water tank made of stainless steel with ball cock valve. Front door has a full view glass observation window. |
| Temperature Range      | : 10° C to 60° C.   |
| Temp. Control Accuracy | : ± 0.5° C.   |
| Humidity Range         | : From atmospheric humidity to 95 %.  |
| Humidity Control Accu. | : ± 3 % RH.   |
| Humidity Controlled By | : Dual Display Microprocessor Based PID Temperature cum Humidity Controller.  |
| Cooling System         | : Consist of high efficiency Kirlosker / Equivalent Make Compressor with relevant accessories.  |
| Operated On            | : 230 V, 50 Hz, Single Phase, AC Supply.  |

| ORDER CODE                         | Size HxWxD (Cm) | Volume Cu.ft. / Ltrs. | INNER CHAMBER | OUTER CHAMBER          | TRAYS |
|------------------------------------|-----------------|-----------------------|---------------|------------------------|-------|
| AIC-HCR-454545S / AIC-HCR-454545SS | 45x45x45        | 3 / 90                | S.S.          | CRC Powder Coated / SS | 2     |
| AIC-HCR-705050S / AIC-HCR-705050SS | 70x50x50        | 6 / 170               | S.S.          | CRC Powder Coated / SS | 3     |
| AIC-HCR-906060S / AIC-HCR-906060SS | 90x60x60        | 12 / 330              | S.S.          | CRC Powder Coated / SS | 3     |

### ESSENTIAL ACCESSORIES

- SERVO CONTROLLED VOLTAGE STABILISER.
- ASPIRATOR BOTTLER - PP. 10Ltr. Capacity for storage of Mineral Water and to serve as input water source for the water tank / steam boiler.
- SILICON RUBBER TUBING. 3mtr. For water Supply from reservoir to Boiler.

## BOD INCUBATORS / BIOCHEMICAL OXYGEN DEMAND INCUBATORS.

|                        |   |
|------------------------|---|
| Construction           | : Double walled. Inside Chamber made of Stainless Steel, Outer Body made of CRC / S.S.. Powder Coated, Glass Wool / PUF Insulation, Full size inner Acrylic / Glass door, Double walled metal door with magnetic gasket and lock. |
| Temperature Range      | : From 5° C to 50°C.  |
| Controlled By          | : Dual Display Microprocessor Based PID Temperature Controller cum Indicator.   |
| Temp. Control Accuracy | : ± 0.5°C.  |
| Cooling By             | : Hermetically sealed Kirlosker / equivalent Make Compressor coupled with evaporation coil and fan cooled condenser.  |
| Standard Supply        | : Forced Air Circulation by F. H. P. Motor for uniform heat distribution. Three Core Wire with Plug.  |
| Operated On            | : 230 V, 50 Hz, Single Phase, AC Supply.  |



| ORDER CODE                          | Size HxWxD (Cm) | Volume Cu.ft. / Ltrs. | INNER CHAMBER | OUTER CHAMBER          | TRAYS |
|-------------------------------------|-----------------|-----------------------|---------------|------------------------|-------|
| AIC-BOD-504545S / AIC-BOD-504545SS. | 50x45x45        | 3 / 90                | SS            | CRC Powder Coated / SS | 2     |
| AIC-BOD-705050S / AIC-BOD-705050SS. | 70x50x50        | 6 / 170               | SS            | CRC Powder Coated / SS | 2     |
| AIC-BOD-905555S / AIC-BOD-905555SS. | 90x55x55        | 10 / 280              | SS            | CRC Powder Coated / SS | 3     |
| AIC-BOD-906060S / AIC-BOD-906060SS. | 90x60x60        | 12 / 330              | SS            | CRC Powder Coated / SS | 3     |



## PROVING RINGS - COMPRESSION TYPE.

Used as a load measurement device and also as outfits with some of the civil engineering testing equipments like Direct Shear Test Apparatus, Triaxial Shear Test Apparatus, C.B.R. Test Apparatus, Unconfined C.B.R. Test Apparatus, Marshall Stability Test Apparatus etc.

These Proving Rings are made from the special steel, carefully forged to give maximum strength and machined to give highest sensitivity combined with stability to ensure long life and accuracy.

When compressive load is applied within the elastic range, the Proving Rings get temporarily deformed. This deformation is measured by a sensitive Dial Gauge, fixed co-axially at the center of the proving ring.

The Dial Gauge readings thus obtained versus load applied enable the operator to find out unknown load, just by noting the Dial gauge reading for the unknown load.

The proving rings have high elasticity and on removing load they regain their original shape provided they are loaded in their elasticity limits.

Each ring is calibrated and supplied with works calibration chart and a carrying case.



| ORDER CODE     | CAPACITY |        |         |
|----------------|----------|--------|---------|
|                | Kgf      | Tone   | kN      |
| AIC-PRC-200KG. | 200      | 0.20   | 2.0     |
| AIC-PRC-250KG. | 250      | 0.25   | 2.5     |
| AIC-PRC-500KG. | 500      | 0.50   | 5.0     |
| AIC-PRC-10kN   | 1000     | 1.00   | 10.0    |
| AIC-PRC-25kN   | 2500     | 2.50   | 25.0    |
| AIC-PRC-30kN   | 3000     | 3.00   | 30.0    |
| AIC-PRC-50kN   | 5000     | 5.00   | 50.0    |
| AIC-PRC-100kN  | 10000    | 10.00  | 100.00  |
| AIC-PRC-200kN  | 20000    | 20.00  | 200.00  |
| AIC-PRC-300kN  | 30000    | 30.00  | 300.00  |
| AIC-PRC-500kN  | 50000    | 50.00  | 500.00  |
| AIC-PRC-1000kN | 100000   | 100.00 | 1000.00 |
| AIC-PRC-2000kN | 200000   | 200.00 | 2000.00 |
| AIC-PRC-3000Kn | 300000   | 300.00 | 3000.00 |

**NOTE : All Proving Rings can be Supplied with NCCBM or NPL Calibration Certificate.**



## **AIC LAB EQUIPMENTS PVT. LTD.**

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