

## **TECHNICAL SPECIFICATION**

### **Description of Material**

#### **Silica Gel Breather with 100 gm Silica gel suitable for 25 KVA to 100 KVA Transformers.**

1. Silica Gel Breather made of high quality unbreakable of clear view 2 mm thick polycarbonate body, with Silica Gel (IS 3401:1992 with its latest amendment),
2. Breather should be suitable and of good strength to have 100 gm Silica Gel in weight suitable for 25KVA to 100 KVA Distribution Transformers.
3. Each Silica gel Breather body having dia of size 65 mm, height 85 mm and total height of Breather set top to bottom 130 mm with 01 No. suitable Breather Cover of dia size 70 mm made of Aluminium Alloy with ½ inch BSP Top .
4. Breather cover should be spray painted with 2 coat of smock grey best quality paint and as per all specification & size mentioned in enclosed Drawing with this tender document.
5. Breather should be compatible with Breath out test & Leakage test test
6. All Component combined as per Drawing will be called a set. Component with details as under:

| Sl. | Part Name            | Description          | Quantity |
|-----|----------------------|----------------------|----------|
| 1   | Breather Body        | Polycarbonate        | 1 No.    |
| 2   | Breather Top Cover   | Aluminium Alloy      | 1 No.    |
| 3   | Top Cover Seal       | Nitrile Rubber       | 1 No.    |
| 4   | Bolt 1/4"            | M.S                  | 1 No.    |
| 5   | Washer 1/4 "         | M.S                  | 1 No.    |
| 6   | SP Washer 1/4 "      | M.S                  | 1 No.    |
| 7   | Nut 1/4"             | M.S                  | 1 No.    |
| 8   | Oil Cup              | Poly Carbonate       | 1 No.    |
| 9   | Oil Cup Seal         | Nitrile Rubber       | 1 No.    |
| 10  | Top Cover Cap        | PVC                  | 1 No.    |
| 11  | Dark Blue Silica Gel | As per IS 3401: 1992 | 100gm.   |

7. Tolerance in Dimension size  $\pm 5\%$

#### **Silica gel breather with 500 gms silica gel suitable for 250 KVA to 630 KVA Transformers**

1. Silica Gel Breather made of high quality unbreakable of clear view 2 mm thick polycarbonate body with Silica Gel (IS 3401:1992 with its latest amendment).
2. Breather should be suitable & of good strength to have 500 gm Silica Gel in weight suitable for 250KVA to 630 KVA Distribution Transformers.
3. Each Silica gel Breather body having dia of size 100 mm, height 150 mm and total height of Breather set top to bottom 190 mm with 01 No. suitable Breather Cover of dia size 105 mm made of Aluminium Alloy with ½ inch BSP Top.
4. Breather cover should be spray painted with 2 coat of smock grey best quality paint and as per all specification & size mentioned in enclosed Drawing with this tender document.
5. Breather should be compatible with Breath out test & Leakage test test
6. All Component combined as per Drawing will be called a set. Component with details as under:

| Sl. | Part Name            | Description          | Quantity |
|-----|----------------------|----------------------|----------|
| 1   | Breather Body        | Polycarbonate        | 1 No.    |
| 2   | Breather Top Cover   | Aluminium Alloy      | 1 No.    |
| 3   | Top Cover Seal       | Nitrile Rubber       | 1 No.    |
| 4   | Hex Bolt 5/16 "      | M.S                  | 1 No.    |
| 5   | Washer 5/16"         | M.S                  | 1 No.    |
| 6   | SP Washer 5/16"      | M.S                  | 1 No.    |
| 7   | Nut 5/16"            | M.S                  | 1 No.    |
| 8   | Oil Cup              | Poly Carbonate       | 1 No.    |
| 9   | Oil Cup Seal         | Nitrile Rubber       | 1 No.    |
| 10  | Top Cover Cap        | PVC                  | 1 No.    |
| 11  | Clip                 | SS                   | 1 No.    |
| 12  | Dark Blue Silica Gel | As per IS 3401: 1992 | 500 Gm.  |

7. Tolerance in Dimension size  $\pm 5\%$