

COMPRESSED AIR FILTERS



'Carbon Candle Filters' (CCF-Series) are designed to remove dust & oil & condensed moisture from the compressed air. These filters are used for removal of particles of 5 µ and above. The elements are made with Carbon impregnated polyporous material. These filters to be installed in all compressed air applications before air dryers as a pre-filter.

- Models

Capacity

Working Pressure

Working Temp.

Filter Elements

Drain
- : CCF-15 to CCF-2000

: 15 to 2000 cfm

: 12 Bar, 20 Bar, 30 Bar

: upto 60°C

: CCE-Series

: Manual

'Micro Filters' (MF-Series) are designed to remove dust & oil contents from the compressed air for critical applications. The elements are made with high quality glass fibre material. These filters to be installed in compressed air line after air dryers as an after-filter. It is mandatory to use pre filter while installing micro filters

- Models

Filter Elements

Grade

Grade

Grade

Grade

Capacity

Working Pressure

Working Temp.

Drain
- : MF\*-15 to MF-2000

: ME\*- Series

: V-Dust particles upto 5 µ & above

: A-Dust particles upto 1 µ & residual oil content<0.1ppm w/w

: B-Dust particles upto 0.1 µ & residual oil content<0.05ppm w/w

: C-Dust particles upto 0.01 µ & residual oil content<0.01ppm w/w

: D-For removal of Oil vapour & hydrocarbons odour residual oil content<0.003ppm w/w

: 15 to 2000 cfm

: 12 Bar

: upto 60°C

: Manual

: (\* to replace with Grade)

AIR RECEIVERS



We manufacture compressed Air / Gas Receivers at our works. We use inverted welded machines to obtain good quality of welding and finishing. Details are as below :

- Mounting type

Working pressures

Capacity

Design code

Material of construction

Standard accessories

Optional accessories
- : Vertical / Horizontal

: Up to 30 Bar

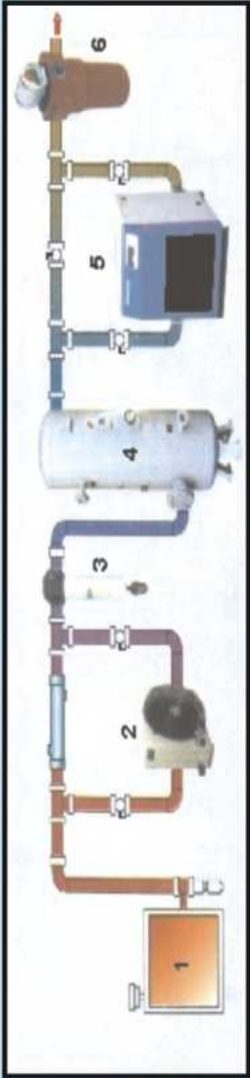
: Up to 20000 Ltrs.

: IS-2825

: MS-IS-2062 / 2002 / SS-304

: Pressure gauge, Safety valve, manual drain valve, Internal Test certificates.

: Auto drain valve, Third party inspection certification from competent agency, Inlet & outlet valves, Inter connecting pipeline etc.



1. Air Compressor 2. After cooler 3. course Filter 4. Air Receiver 5. Air Dryer 6. Fine Filter

Installation Guidelines

- Install the air dryer in a well ventilated covered area.
- Power supply to be connected through a separate MCB of suitable rating.
- The temperature of incoming air to the dryers should not exceed the Max. temp. Limit, otherwise install air cooler before air dryers.

Manufactured By :

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Authorised Dealer :



**Note :** \* Product Development is the continuous process with us, Specifications may change without notice.



KNOWN FOR QUALITY

Applications:

- **CNC MACHINES**
- **GARMENT INDUSTRIES**
- **FOOD INDUSTRIES**
- **PAINTING APPLICATION**
- **LEATHER INDUSTRIES**
- **COLOUR SORTINGS**
- **ALL OTHER PNEUMATIC SYSTEMS**

Silent Features :

- ☆ **GOOD DESIGN WITH LATEST TECHNOLOGY**
- ☆ **GOOD QUALITY**
- ☆ **GOOD PERFORMANCE**
- ☆ **HIGHLY EFFICIENT HEAT EXCHANGERS**
- ☆ **CONSISTANT DEW POINT**
- ☆ **COPLAND / DENFOSS / SPORLON ACCESSORIES**



COMPRESSED AIR TREATMENT PRODUCTS



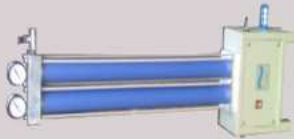
The compressed air generated by the air compressor need the treatment for removal of dust, excess oil, moisture etc. At "sintonik" we manufacture highly efficient equipments to meet the above industrial requirements

## DESICCANT TYPE AIR DRYERS

Desiccant/Heatless type air dryers can be used to remove air contaminants and a better due point can be achieved. There dryers works an adsorbson property of activated alumina. The incoming air from te compressor passes through the desiccant bed in two towers alternatively. The desiccaant balls attracts the moisture content from the air and holds it on the surface for the certain period. After saturation of 1st tower, air flow switched over to 2nd automatically and at the same time 1st comes in the regeneration to exhaust the collected moisture. This cycle repeat continuously with its control system.

### SALIENT FEATURES

- Small in size
- Automatic & maintenance free operation
- Low purge loss
- Better dew point
- Wall mounting design
- Easy installation



## DW - Series

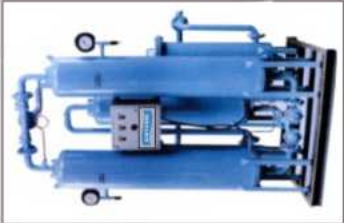
| Model | Capacity |                     | Air Conn.  | Dimensions (mm) |       |        | Weight (Kg) |
|-------|----------|---------------------|------------|-----------------|-------|--------|-------------|
|       | Cfm      | M <sup>3</sup> / hr |            | Length          | Width | Height |             |
| DW-10 | 10       | 17                  | ½" BSP (F) | 350             | 200   | 600    | 18          |
| DW-15 | 15       | 25                  | ½" BSP (F) | 350             | 200   | 750    | 26          |
| DW-20 | 20       | 34                  | ½" BSP (F) | 350             | 200   | 900    | 35          |
| DW-30 | 30       | 51                  | ½" BSP (F) | 350             | 200   | 1200   | 43          |

### OPERATING CONDITIONS:

Working Pressure : 10 Bar Max.      Air inlet Temp. : 45°C      Ambient Temp. : 45°C  
Atm. Dew Poing. -40°C to-70°C      Power Supply : 220 V/1ph. 50 Hz AC      Air Purge : 10% to 15%

## DF-Series

At "Sintonik" we manufacture desiccant type floor mounted air dryer in higher capacities. These are designed with inbuilt oil removal filter and after filter to get neat and clean air to your proocess.



| Model    | Capacity |                     | Air Conn | Dimensions (mm) |        |       | Weight (Kg) |
|----------|----------|---------------------|----------|-----------------|--------|-------|-------------|
|          | Cfm      | M <sup>3</sup> / hr |          | Length          | weight | Hiett |             |
| DF -30   | 30       | 51                  | 1½"      | 500             | 400    | 800   | 80          |
| DF -45   | 45       | 76                  | 1½"      | 500             | 400    | 1000  | 95          |
| DF -60   | 60       | 102                 | 1½"      | 500             | 400    | 1200  | 115         |
| DF -85   | 85       | 144                 | 1"       | 600             | 500    | 1000  | 160         |
| DF -110  | 110      | 187                 | 1"       | 600             | 500    | 1200  | 215         |
| DF -150  | 150      | 255                 | 1½"      | 750             | 600    | 1200  | 350         |
| DF -200  | 200      | 340                 | 2"       | 900             | 700    | 1400  | 4300        |
| DF -300  | 300      | 510                 | 2"       | 900             | 700    | 1500  | 590         |
| DF -500  | 500      | 850                 | 3"       | 1200            | 900    | 1800  | 750         |
| DF -800  | 800      | 1360                | 3"       | 1400            | 1000   | 200   | 1100        |
| DF -1000 | 1000     | 1700                | 4"       | 1600            | 1200   | 2200  | 1450        |
| DF -1200 | 1200     | 2040                | 4"       | 1800            | 1400   | 2500  | 1800        |

### OPERATING CONDITIONS:

Working Pressure : 12 Bar Max.      Air inlet Temp. : 45°C      Ambient Temp. : 45°C  
Atm. Dew Point : -40°C to -70°C      Power Supply : 220 V/1 ph. 50 HzAC      Air Purge : 10% to 15%

## REFRIGERATED TYPE AIR DRYERS

A major advantage by using these dryers is "the purge loss is absolutely nil". At "sintonik". the refrigeration system has been designed according to the cooling load required for various flow capacities of air. Refrigeraed type air Dryer" works on the principal of moisture holding capacity of "Air" at various temperature and pressures. The temperature of the incoming wet air from the compressor reduced by the refrigerated system in these dryers. The condensed moisture accumulates in the moisture separator and removed through an automatic drain valve and you get moisture free air out from the dryer.

### SALIENT FEATURES

- Consistant dew point
- Low power consumption
- Plate Type heat exchangers (30 to 300 cfm) with SS-304 Air Piping
- Highly Efficient Heat Exchangers
- Cyclonic Moisture Seperation
- Easy Installation

## RN - Series

| Model   | Type  | Capacity |                    | Air Conn | Rated Power (W) | power supply 50 Hz AC | Dimensions (mm) |       |        | Width (Kg) |
|---------|-------|----------|--------------------|----------|-----------------|-----------------------|-----------------|-------|--------|------------|
|         |       | Cfm      | M <sup>3</sup> /hr |          |                 |                       | Length          | Width | Height |            |
| RN-15   | AC    | 15       | 26                 | ½"BSP(F) | 300             | 220V                  | 400             | 500   | 500    | 50         |
| RN-30   | AC    | 30       | 51                 | ½"BSP(F) | 300             | 220V                  | 450             | 550   | 600    | 65         |
| RN-45   | AC    | 45       | 76                 | ½"BSP(F) | 490             | 220V                  | 450             | 550   | 700    | 80         |
| RN-60   | AC    | 60       | 102                | ½"BSP(F) | 500             | 220V                  | 650             | 550   | 800    | 95         |
| RN-85   | AC    | 85       | 144                | 1"BSP(F) | 700             | 220V                  | 650             | 550   | 800    | 110        |
| RN-110  | AC    | 110      | 187                | 1"BSP(F) | 1070            | 220V                  | 750             | 850   | 900    | 135        |
| RN-150  | AC    | 150      | 255                | 1½"FL    | 1490            | 220V                  | 750             | 850   | 900    | 165        |
| RN-200  | AC    | 200      | 340                | 2"FL     | 1900            | 220V                  | 850             | 950   | 900    | 190        |
| RN-300  | AC    | 300      | 510                | 2"FL     | 2550            | 220V                  | 850             | 950   | 900    | 250        |
| RN-500  | AC    | 500      | 850                | 3"FL     | 2800            | 415V                  | 850             | 950   | 1000   | 350        |
| RN-800  | AC/WC | 800      | 1360               | 3"FL     | 4450            | 415V                  | 1000            | 950   | 1000   | 450        |
| RN-1000 | AC/WC | 1000     | 1700               | 4"FL     | 6100            | 415V                  | 1000            | 950   | 1200   | 650        |
| RN-1200 | WC    | 1200     | 2040               | 4"FL     | 6480            | 415V                  | 1200            | 950   | 1200   | 750        |
| RN-1500 | WC    | 1500     | 2250               | 4"FL     | 8900            | 415V                  | 1400            | 1100  | 1200   | 950        |
| RN-2000 | WC    | 2000     | 3400               | 6"FL     | 12200           | 415V                  | 1600            | 1200  | 1400   | 1250       |

### OPERATING CONDITIONS:

Working Pressure : 12 Bar Max.      Air inlet Temp. : 45°C      Ambient Temp. : 45°C  
AC : Air Cooled Condensor.      Pressure Dew Point : 2-5°C      Rafrigerant : R-134a/R-22  
WC : Water Cooled Condensor      Air Purge : NIL

## RH -Series

These air dryers are desinged for high temprature inlet air from the air compressor. The incoming air initially cooled in an inbuilt air cooler berore entering into the referigation system



| Model   | Tybe  | capacity |                    | Air conn | Rated power (W) | power supply 50 Hz AC | Dimensions (mm) |       |        | Width (Kg) |
|---------|-------|----------|--------------------|----------|-----------------|-----------------------|-----------------|-------|--------|------------|
|         |       | Cfm      | M <sup>3</sup> /hr |          |                 |                       | Length          | Width | Height |            |
| RH-30   | AC    | 30       | 51                 | ½"BSP(F) | 360             | 220V                  | 450             | 550   | 900    | 75         |
| RH-45   | AC    | 45       | 76                 | ½"BSP(F) | 550             | 220V                  | 450             | 550   | 1000   | 90         |
| RH-60   | AC    | 60       | 102                | ½"BSP(F) | 560             | 220V                  | 650             | 550   | 1200   | 105        |
| RH-85   | AC    | 85       | 144                | 1"BSP(F) | 790             | 220V                  | 650             | 550   | 1200   | 127        |
| RH-110  | AC    | 110      | 187                | 1"BSP(F) | 1150            | 220V                  | 750             | 850   | 1400   | 165        |
| RH-150  | AC    | 150      | 255                | 1½"FL    | 1550            | 220V                  | 750             | 850   | 1400   | 185        |
| RH-200  | AC/WC | 200      | 340                | 2"FL     | 1990            | 220V                  | 850             | 950   | 1400   | 240        |
| RH-300  | AC/WC | 300      | 510                | 2"FL     | 2630            | 220V                  | 850.            | 950   | 1500   | 340        |
| RH-500  | WC    | 500      | 850                | 3"FL     | 2700            | 415V                  | 850             | 950   | 1000   | 450        |
| RH-800  | WC    | 800      | 1360               | 3"FL     | 4300            | 415V                  | 1000            | 950   | 1000   | 550        |
| RH-1000 | WC    | 1000     | 1700               | 4"FL     | 5900            | 415V                  | 1000            | 950   | 1200   | 800        |
| RH-1200 | WC    | 1200     | 2040               | 4"FL     | 6480            | 415V                  | 1200            | 950   | 1200   | 950        |
| RH-1500 | WC    | 1500     | 2250               | 4"FL     | 8900            | 415V                  | 1400            | 1100  | 1200   | 1050       |
| RH-2000 | WC    | 2000     | 3400               | 6"FL     | 12200           | 415V                  | 1600            | 1200  | 1200   | 1400       |

### OPERATING CONDITIONS:

Working Pressure : 12 Bar Max.      Air inlet Temp. : 75°C      Ambient Temp. : 45°C  
AC : Air Cooled Condensor      Pressure Dew Point : 2-5°C      Rafrigerant : R-134a/R 22  
WC : Water Cooled Condensor      Air Purge : NIL