

## MJB-A

### Tubular Bag Filter



The MJB-A comprise an innovative range of robust, versatile tubular bag filter unit that build upon the experience of the well-established MJB bag filters.

By combining the advantages of two stage immersion type cleaning valves with the patented UniClean technology, maximum cleaning efficiency is achieved with very low energy consumption and minimal maintenance.

All access for maintenance is from the top of the unit.

The modular design, with several bolt together assembly options is optimized for transport by road or by sea container.

It also maximises flexibility on site, to suit available facilities.

Filter sizes from 158 m<sup>2</sup> to about 1188 m<sup>2</sup> are available as preassembled units.

The modular design enables larger units to be assembled and also existing units to be extended whenever required.

#### Features

Robust welded steel construction

Versatile modular design

Weather proof for exposed locations

Flat pack dirty air chamber option for efficient transport by road or sea container.

May be extended or relocated if required

Efficient cleaning with patented UniClean technology

Integral pre-separation section

Down flow / cross flow inlet air pattern to maximize dust handling capacity

Low maintenance, with access from the unit top

Two bag lengths available

Higher temperature options including trace heating and insulation

ATEX compliant for explosive dusts

|   |   |
|---|---|
| Nom du produit                            | MJB-A   |
| Installation                              | Extérieur                                       |
| Convient pour les poussières combustibles | True  |
| Méthode de décolmatage                    | [CompressedAir]                                 |
| Application                               | Poussière                                       |
| Pression de fonctionnement (kPa)          | Standard: -6,0 to 2,0<br>Optional: -10,0 to 5,0 |
| Surface filtrante (m <sup>2</sup> )       | 158 to 1188                                     |
| Capacité (débit max m <sup>3</sup> /h)    | 190000  |
| Operating Temperature                     | Max. 220° C                                     |
| Type de filtre                            | Filtre à manche                                 |



Poussière

## MJB-A

| Nombre d'éléments filtrants | Poids (kg)             | [model]         |
|-----------------------------|------------------------|-----------------|
| 8                           | 3417 (without hopper)  | MJB158/A/8-10   |
| 10                          | 3890 (without hopper)  | MJB198/A/10-10  |
| 12                          | 4367 (without hopper)  | MJB238/A/12-10  |
| 16                          | 5835 (without hopper)  | MJB317/A/16-10  |
| 18                          | 6308 (without hopper)  | MJB356/A/18-10  |
| 20                          | 6781 (without hopper)  | MJB396/A/20-10  |
| 22                          | 7258 (without hopper)  | MJB435/A/22-10  |
| 24                          | 7735 (without hopper)  | MJB475/A/24-10  |
| 26                          | 8726 (without hopper)  | MJB515/A/26-10  |
| 28                          | 9199 (without hopper)  | MJB554/A/28-10  |
| 30                          | 9372 (without hopper)  | MJB594/A/30-10  |
| 32                          | 10149 (without hopper) | MJB633/A/32-10  |
| 34                          | 10626 (without hopper) | MJB673/A/34-10  |
| 36                          | 11103 (without hopper) | MJB713/A/36-10  |
| 38                          | 12090 (without hopper) | MJB752/A/38-10  |
| 40                          | 12563 (without hopper) | MJB792/A/40-10  |
| 42                          | 13040 (without hopper) | MJB831/A/42-10  |
| 44                          | 13517 (without hopper) | MJB871/A/44-10  |
| 46                          | 13994 (without hopper) | MJB911/A/46-10  |
| 48                          | 14471 (without hopper) | MJB950/A/48-10  |
| 50                          | 15454 (without hopper) | MJB990/A/50-10  |
| 52                          | 15931 (without hopper) | MJB1029/A/52-10 |
| 54                          | 16408 (without hopper) | MJB1069/A/54-10 |
| 56                          | 16885 (without hopper) | MJB1108/A/56-10 |
|                             |                        | MJB1148/A/58-10 |
|                             |                        | MJB1188/A/60-10 |

## MJB-A



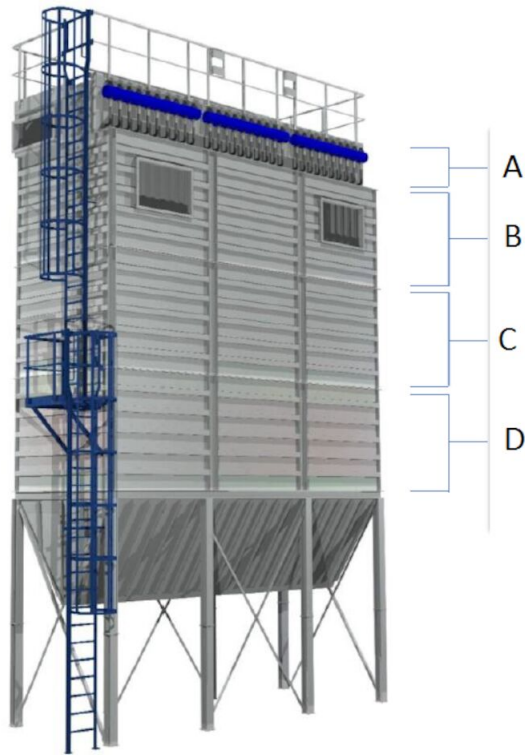
### Inlet air (raw gas) and clean air outlet connections

The dirty air enters at high level through the side of the dirty air chamber (as illustrated), or alternatively via the top of the dirty air chamber. It passes downwards through a generously sized pre-separation chamber, and then into the bag-house via a slotted profiled barrier to protect the bags from abrasion in a part cross flow and part down flow pattern, thus eliminating unwanted upward velocity effects. The outlet air connections are at high level directly from the clean air chamber. These may be situated at the sides or end of the clean air chamber. Rectangular connection flanges are normally provided.

For the MJB-A, the dirty air chamber comprises two sections of the type illustrated, one mounted on top of the other to accommodate the 4.1m long bags.

For the MJB-H, the dirty air chamber comprises three sections of the type illustrated, mounted on top of each other, to accommodate the longer (6.1m) bags.

## MJB-A



Chambers:

A) Clean Air chamber

B) Dirty air chamber section  
- Upper (MJB-A and MJB-H)

C) Dirty air chamber section  
- Middle (MJB-A and MJB-H)

D) Dirty air chamber section  
- Lower (MJB-H only)

## MJB-A

| MJB-A unit       | Filter area       | no. of valves | Width W | No. of tanks | Filter weight excluding hopper | Typical weight of hopper | Number & size of sections |           |           | Compressed air consumption    |
|------------------|-------------------|---------------|---------|--------------|--------------------------------|--------------------------|---------------------------|-----------|-----------|-------------------------------|
|                  |                   |               |         |              |                                |                          | 8 valves                  | 10 valves | 12 valves |                               |
| A                | [m <sup>2</sup> ] | [pcs.]        | [mm]    | [pcs.]       | [kg]                           | [kg]                     |                           |           |           | Nm <sup>3</sup> /h at 5.5 bar |
| MJB 158/A/8-10   | 158               | 8             | 3585    | 1            | 3417                           | 1367                     | 1                         | -         | -         | 32.4                          |
| MJB 198/A/10-10  | 198               | 10            | 4015    | 1            | 3890                           | 1556                     | -                         | 1         | -         | 40.5                          |
| MJB 238/A/12-10  | 238               | 12            | 4445    | 1            | 4367                           | 1747                     | -                         | -         | 1         | 48.6                          |
| MJB 317/A/16-10  | 317               | 16            | 5520    | 2            | 5835                           | 2334                     | 2                         | -         | -         | 48.6                          |
| MJB 356/A/18-10  | 356               | 18            | 5950    | 2            | 6308                           | 2523                     | 1                         | 1         | -         | 48.6                          |
| MJB 396/A/20-10  | 396               | 20            | 6380    | 2            | 6781                           | 2712                     | -                         | 2         | -         | 48.6                          |
| MJB 435/A/22-10  | 435               | 22            | 6810    | 2            | 7258                           | 2903                     | -                         | 1         | 1         | 48.6                          |
| MJB 475/A/24-10  | 475               | 24            | 7240    | 2            | 7735                           | 3094                     | -                         | -         | 2         | 48.6                          |
| MJB 515/A/26-10  | 515               | 26            | 7885    | 3            | 8726                           | 3490                     | 2                         | 1         | -         | 97.2                          |
| MJB 554/A/28-10  | 554               | 28            | 8315    | 3            | 9199                           | 3680                     | 1                         | 2         | -         | 97.2                          |
| MJB 594/A/30-10  | 594               | 30            | 8745    | 3            | 9672                           | 3869                     | -                         | 3         | -         | 97.2                          |
| MJB 633/A/32-10  | 633               | 32            | 9175    | 3            | 10149                          | 4060                     | -                         | 2         | 1         | 97.2                          |
| MJB 673/A/34-10  | 673               | 34            | 9605    | 3            | 10626                          | 4250                     | -                         | 1         | 2         | 97.2                          |
| MJB 713/A/36-10  | 713               | 36            | 10035   | 3            | 11103                          | 4441                     | -                         | -         | 3         | 97.2                          |
| MJB 752/A/38-10  | 752               | 38            | 10680   | 4            | 12090                          | 4836                     | 1                         | 3         | -         | 145.8                         |
| MJB 792/A/40-10  | 792               | 40            | 11110   | 4            | 12563                          | 5025                     | -                         | 4         | -         | 145.8                         |
| MJB 831/A/42-10  | 831               | 42            | 11540   | 4            | 13040                          | 5216                     | -                         | 3         | 1         | 145.8                         |
| MJB 871/A/44-10  | 871               | 44            | 11970   | 4            | 13517                          | 5407                     | -                         | 2         | 2         | 145.8                         |
| MJB 911/A/46-10  | 911               | 46            | 12400   | 4            | 13994                          | 5598                     | -                         | 1         | 3         | 145.8                         |
| MJB 950/A/48-10  | 950               | 48            | 12830   | 4            | 14471                          | 5788                     | -                         | -         | 4         | 145.8                         |
| MJB 990/A/50-10  | 990               | 50            | 13475   | 5            | 15454                          | 6182                     | -                         | 5         | -         | 194.4                         |
| MJB 1029/A/52-10 | 1029              | 52            | 13905   | 5            | 15931                          | 6372                     | -                         | 4         | 1         | 194.4                         |
| MJB 1069/A/54-10 | 1069              | 54            | 14335   | 5            | 16408                          | 6563                     | -                         | 3         | 2         | 194.4                         |
| MJB 1108/A/56-10 | 1108              | 56            | 14765   | 5            | 16885                          | 6754                     | -                         | 2         | 3         | 194.4                         |
| MJB 1148/A/58-10 | 1148              | 58            | 15195   | 5            | 17362                          | 6945                     | -                         | 1         | 4         | 194.4                         |
| MJB 1188/A/60-10 | 1188              | 60            | 15625   | 5            | 17839                          | 7136                     | -                         | -         | 5         | 194.4                         |

NOTE: Typical compressed air consumption based upon cleaning cycle max. 3 minutes

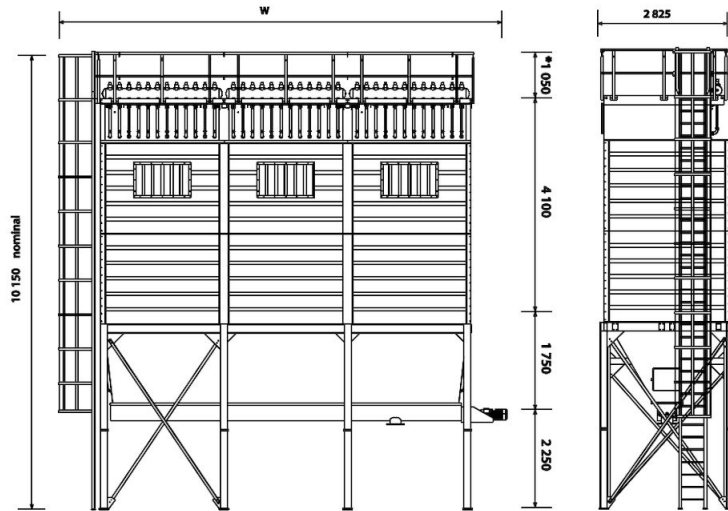
Single valve pulsing for units up to MJB475

Two valves pulsing together for units up to MJB 713

Three valves pulsing together for units up to MJB 950

Four valves pulsing together for units up to MJB 1188

## MJB-A



Hopper heights are typical values for 55° valley angle trough hopper

\* The Clean Air Chamber height includes toe board