

MJB-G

Tubular Bag Filter



The MJB-G 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 233 m to about 1870 m 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

| | |
|---------------|---|
| 品名 | MJB-G |
| 安装 | 室外 |
| 适用于易爆粉尘 | True |
| 清灰方式 | 压缩空气清灰 |
| 应用 | 粉尘 |
| 工作压力 (千帕) | Standard: -6,0 to 2,0 Optional: -10,0 to 5,0 |
| 过滤面积 (平方米) | 233 to 1870 |
| 性能 (最大风量m3/h) | 190000 |
| 工作温度 | Max. 220 C |
| 除尘器类型 | 滤袋 |



粉尘

MJB-G

| 滤芯数量 | 重量 (公斤) | 产品编号 |
|------|------------------------|------------------|
| 10 | 3588 (without hopper) | MJB 234/G/10-14 |
| 13 | 4104 (without hopper) | MJB 304/G/13-14 |
| 16 | 4624 (without hopper) | MJB 374/G/16-14 |
| 20 | 6177 (without hopper) | MJB 467/G/20-14 |
| 23 | 6693 (without hopper) | MJB 537/G/23-14 |
| 26 | 7209 (without hopper) | MJB 608/G/26-14 |
| 29 | 7729 (without hopper) | MJB 678/G/29-14 |
| 32 | 8249 (without hopper) | MJB 748/G/32-14 |
| 33 | 9282 (without hopper) | MJB 771/G/33-14 |
| 36 | 9798 (without hopper) | MJB 841/G/36-14 |
| 39 | 10314 (without hopper) | MJB 912/G/39-14 |
| 42 | 10834 (without hopper) | MJB 982/G/42-14 |
| 45 | 11354 (without hopper) | MJB 1052/G/45-14 |
| 48 | 11873 (without hopper) | MJB 1122/G/48-14 |
| 49 | 12903 (without hopper) | MJB 1145/G/49-14 |
| 52 | 13419 (without hopper) | MJB 1215/G/52-14 |
| 55 | 13939 (without hopper) | MJB 1286/G/55-14 |
| 58 | 14459 (without hopper) | MJB 1356/G/58-14 |
| 61 | 14978 (without hopper) | MJB 1426/G/61-14 |
| 64 | 15498 (without hopper) | MJB 1496/G/64-14 |
| 65 | 16524 (without hopper) | MJB 1520/G/65-14 |
| 68 | 17044 (without hopper) | MJB 1590/G/68-14 |
| 71 | 17564 (without hopper) | MJB 1660/G/71-14 |
| 74 | 18083 (without hopper) | MJB 1730/G/74-14 |
| 77 | 18603 (without hopper) | MJB 1800/G/77-14 |
| 80 | 19123 (without hopper) | MJB 1870/G/80-14 |

MJB-G



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-G

| MJB-G 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 |
|----------------------|-------------|---------------|---------|--------------|--------------------------------|--------------------------|---------------------------|-----------|-----------|----------------------------|
| G | [m²] | [pcs.] | [mm] | [pcs.] | [kg] | [kg] | 10 valves | 13 valves | 16 valves | Nm³/h at 5.5 bar |
| MJB 234 / G / 10-14 | 233 | 10 | 3585 | 1 | 3588 | 1367 | 1 | - | - | 48.6 |
| MJB 304 / G / 13-14 | 304 | 13 | 4015 | 1 | 4104 | 1556 | - | 1 | - | 48.6 |
| MJB 374 / G / 16-14 | 374 | 16 | 4445 | 1 | 4624 | 1747 | - | - | 1 | 48.6 |
| MJB 467 / G / 20-14 | 467 | 20 | 5520 | 2 | 6177 | 2334 | 2 | - | - | 48.6 |
| MJB 537 / G / 23-14 | 537 | 23 | 5950 | 2 | 6693 | 2523 | 1 | 1 | - | 48.6 |
| MJB 608 / G / 26-14 | 608 | 26 | 6380 | 2 | 7209 | 2712 | - | 2 | - | 48.6 |
| MJB 678 / G / 29-14 | 678 | 29 | 6810 | 2 | 7729 | 2903 | - | 1 | 1 | 48.6 |
| MJB 748 / G / 32-14 | 748 | 32 | 7240 | 2 | 8249 | 3094 | - | - | 2 | 48.6 |
| MJB 771 / G / 33-14 | 771 | 33 | 7885 | 3 | 9282 | 3490 | 2 | 1 | - | 97.2 |
| MJB 841 / G / 36-14 | 841 | 36 | 8315 | 3 | 9798 | 3680 | 1 | 2 | - | 97.2 |
| MJB 912 / G / 39-14 | 912 | 39 | 8745 | 3 | 10314 | 3869 | - | 3 | - | 97.2 |
| MJB 982 / G / 42-14 | 982 | 42 | 9175 | 3 | 10834 | 4060 | - | 2 | 1 | 97.2 |
| MJB 1052 / G / 45-14 | 1052 | 45 | 9605 | 3 | 11354 | 4250 | - | 1 | 2 | 97.2 |
| MJB 1122 / G / 48-14 | 1122 | 48 | 10035 | 3 | 11873 | 4441 | - | - | 3 | 97.2 |
| MJB 1145 / G / 49-14 | 1145 | 49 | 10680 | 4 | 12903 | 4836 | 1 | 3 | - | 145.8 |
| MJB 1215 / G / 52-14 | 1215 | 52 | 11110 | 4 | 13419 | 5025 | - | 4 | - | 145.8 |
| MJB 1286 / G / 55-14 | 1286 | 55 | 11540 | 4 | 13939 | 5216 | - | 3 | 1 | 145.8 |
| MJB 1356 / G / 58-14 | 1356 | 58 | 11970 | 4 | 14459 | 5407 | - | 2 | 2 | 145.8 |
| MJB 1426 / G / 61-14 | 1426 | 61 | 12400 | 4 | 14978 | 5598 | - | 1 | 3 | 145.8 |
| MJB 1496 / G / 64-14 | 1496 | 64 | 12830 | 4 | 15498 | 5788 | - | - | 4 | 145.8 |
| MJB 1520 / G / 65-14 | 1520 | 65 | 13475 | 5 | 16524 | 6182 | - | 5 | - | 194.4 |
| MJB 1590 / G / 68-14 | 1590 | 68 | 13905 | 5 | 17044 | 6372 | - | 4 | 1 | 194.4 |
| MJB 1660 / G / 71-14 | 1660 | 71 | 14335 | 5 | 17564 | 6563 | - | 3 | 2 | 194.4 |
| MJB 1730 / G / 74-14 | 1730 | 74 | 14765 | 5 | 18083 | 6754 | - | 2 | 3 | 194.4 |
| MJB 1800 / G / 77-14 | 1800 | 77 | 15195 | 5 | 18603 | 6945 | - | 1 | 4 | 194.4 |
| MJB 1870 / G / 80-14 | 1870 | 80 | 15625 | 5 | 19123 | 7136 | - | - | 5 | 194.4 |

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

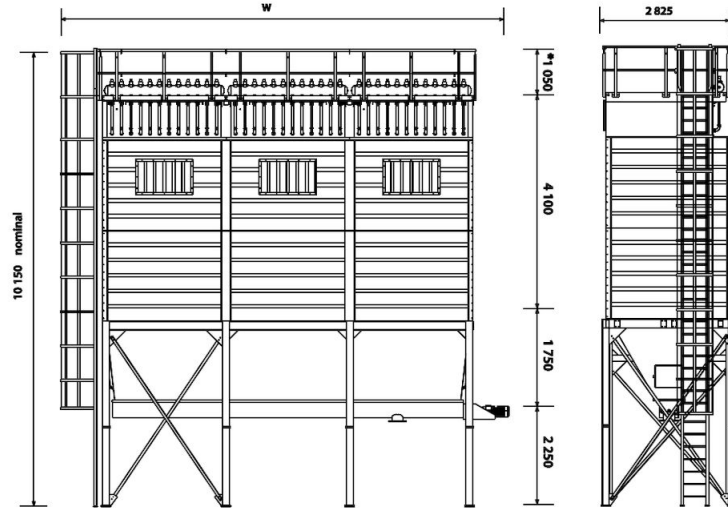
Single valve pulsing for units up to MJB748

Two valves pulsing together for units up to MJB1122

Three valves pulsing together for units up to MJB1496

Four valves pulsing together for units up to MJB1870

MJB-G



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

* The Clean Air Chamber height includes toe board