

# UFF JET WASH® Regenerative Media Filter

Provide superior drinking water grade filtration  
Energy-efficient, Eco-friendly  
Automatic control system



**1 Micron  
Filtration**

**90% Water  
Saving**

**30% Energy  
Saving**

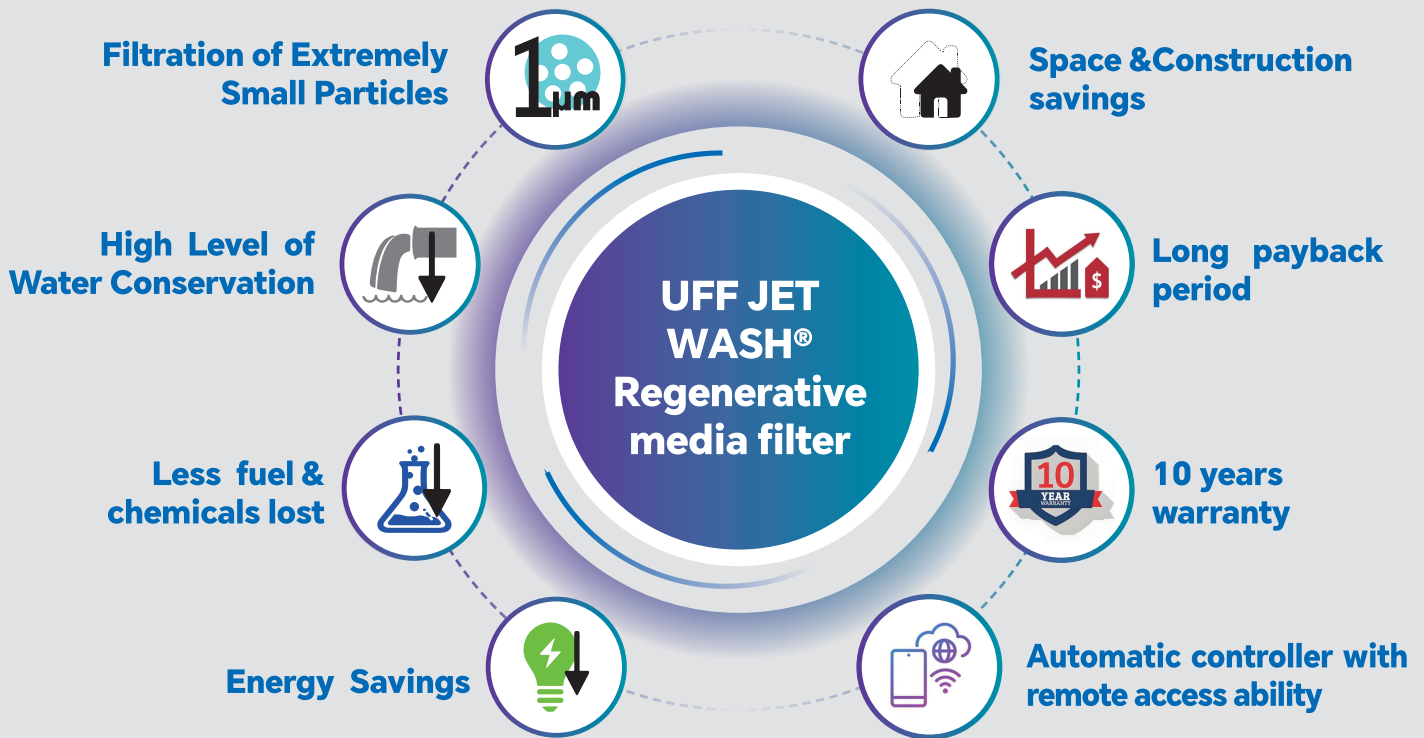
**30% Chemical  
Saving**

**4x Space  
Footprint Saving**

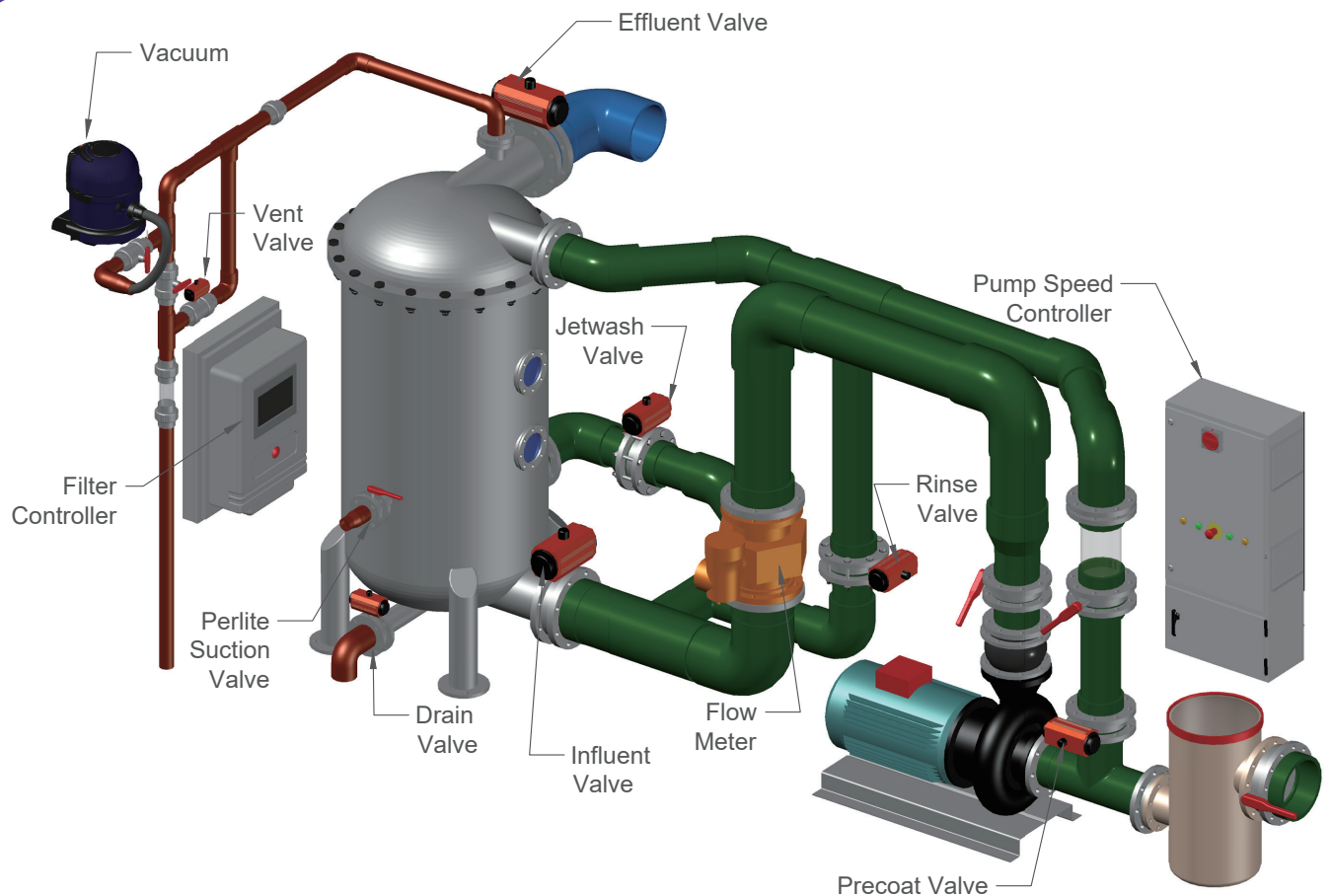
**Automation and  
Remote Operation**



**AF WATER SYSTEMS EQUIPMENT CO LTD**



## UFF JET WASH® REGENERATIVE MEDIA FILTER SYSTEM INSTALLATION DIAGRAM



## UFF JET WASH® Regenerative media filter selection

| Model   | Design flow<br>@ 3m <sup>3</sup> /m <sup>2</sup> /h<br>(m <sup>3</sup> /hr) | Filter area<br>(m <sup>2</sup> ) | Perlite<br>(kg) | Inlet/Outlet<br>flange | Precoat/Jet<br>wash flange | Drain<br>flange | Perlite suction<br>flange | Vent<br>flange |
|---------|-----------------------------------------------------------------------------|----------------------------------|-----------------|------------------------|----------------------------|-----------------|---------------------------|----------------|
| MFS-450 | 7-17                                                                        | 6                                | 3               | DN80                   | DN50                       | DN50            | DN50                      | DN50           |
| MFS-500 | 9-21                                                                        | 7                                | 3               | DN80                   | DN50                       | DN50            | DN50                      | DN50           |
| MFS-550 | 11-27                                                                       | 9                                | 4               | DN80                   | DN50                       | DN50            | DN50                      | DN50           |
| MFS-600 | 13-33                                                                       | 11                               | 5               | DN80                   | DN50                       | DN50            | DN50                      | DN50           |
| MFS-660 | 16-39                                                                       | 13                               | 5               | DN100                  | DN80                       | DN50            | DN50                      | DN50           |
| MFS-710 | 19-46                                                                       | 15                               | 6               | DN100                  | DN80                       | DN50            | DN50                      | DN50           |
| MFS-760 | 22-54                                                                       | 18                               | 7               | DN150                  | DN80                       | DN50            | DN50                      | DN50           |
| MFS-810 | 25-62                                                                       | 21                               | 8               | DN150                  | DN80                       | DN50            | DN50                      | DN50           |

| Model    | Design flow<br>@ 3m <sup>3</sup> /m <sup>2</sup> /h<br>(m <sup>3</sup> /hr) | Filter area<br>(m <sup>2</sup> ) | Perlite<br>(kg) | Inlet/Outlet<br>flange | Precoat/Jet<br>wash flange | Drain<br>flange | Perlite suction<br>flange | Vent<br>flange |
|----------|-----------------------------------------------------------------------------|----------------------------------|-----------------|------------------------|----------------------------|-----------------|---------------------------|----------------|
| MFM-660  | 22-55                                                                       | 18                               | 8               | DN150                  | DN80                       | DN80            | DN50                      | DN50           |
| MFM-710  | 26-65                                                                       | 22                               | 9               | DN150                  | DN80                       | DN80            | DN50                      | DN50           |
| MFM-760  | 31-76                                                                       | 25                               | 10              | DN150                  | DN100                      | DN80            | DN50                      | DN50           |
| MFM-810  | 36-88                                                                       | 29                               | 12              | DN150                  | DN100                      | DN80            | DN50                      | DN50           |
| MFM-860  | 41-101                                                                      | 34                               | 13              | DN150                  | DN100                      | DN100           | DN50                      | DN50           |
| MFM-920  | 46-114                                                                      | 38                               | 15              | DN200                  | DN150                      | DN100           | DN50                      | DN50           |
| MFM-970  | 52-128                                                                      | 43                               | 17              | DN200                  | DN150                      | DN100           | DN50                      | DN50           |
| MFM-1020 | 58-144                                                                      | 48                               | 19              | DN200                  | DN150                      | DN100           | DN50                      | DN50           |

| Model    | Design flow<br>@ 3m <sup>3</sup> /m <sup>2</sup> /h<br>(m <sup>3</sup> /hr) | Filter area<br>(m <sup>2</sup> ) | Perlite<br>(kg) | Inlet/Outlet<br>flange | Precoat/Jet<br>wash flange | Drain<br>flange | Perlite suction<br>flange | Vent<br>flange |
|----------|-----------------------------------------------------------------------------|----------------------------------|-----------------|------------------------|----------------------------|-----------------|---------------------------|----------------|
| MFT-810  | 56-140                                                                      | 47                               | 18              | DN200                  | DN150                      | DN100           | DN50                      | DN50           |
| MFT-860  | 64-160                                                                      | 53                               | 21              | DN200                  | DN150                      | DN100           | DN50                      | DN50           |
| MFT-920  | 73-181                                                                      | 60                               | 24              | DN200                  | DN150                      | DN100           | DN50                      | DN50           |
| MFT-970  | 82-204                                                                      | 68                               | 27              | DN200                  | DN150                      | DN100           | DN50                      | DN50           |
| MFT-1020 | 92-228                                                                      | 76                               | 30              | DN250                  | DN150                      | DN150           | DN50                      | DN50           |
| MFT-1070 | 102-253                                                                     | 84                               | 33              | DN250                  | DN150                      | DN150           | DN50                      | DN50           |
| MFT-1120 | 112-280                                                                     | 93                               | 36              | DN250                  | DN150                      | DN150           | DN50                      | DN50           |
| MFT-1180 | 124-308                                                                     | 103                              | 40              | DN250                  | DN150                      | DN150           | DN50                      | DN50           |
| MFT-1230 | 137-337                                                                     | 112                              | 44              | DN250                  | DN200                      | DN150           | DN50                      | DN50           |
| MFT-1280 | 150-368                                                                     | 123                              | 48              | DN250                  | DN200                      | DN150           | DN50                      | DN50           |
| MFT-1330 | 162-400                                                                     | 133                              | 52              | DN300                  | DN200                      | DN150           | DN50                      | DN50           |
| MFT-1380 | 177-434                                                                     | 145                              | 56              | DN300                  | DN200                      | DN150           | DN50                      | DN50           |
| MFT-1440 | 188-468                                                                     | 156                              | 60              | DN300                  | DN200                      | DN150           | DN50                      | DN50           |
| MFT-1490 | 205-505                                                                     | 168                              | 65              | DN300                  | DN200                      | DN150           | DN50                      | DN50           |

## Saving Analysis (Per year)

Standard pool with 500m<sup>3</sup>/h

| Component               | Sand filter         | Regenerative Media Filter | Saving              | %      |
|-------------------------|---------------------|---------------------------|---------------------|--------|
| Water Consumption       | 8144 m <sup>3</sup> | 48 m <sup>3</sup>         | 8096 m <sup>3</sup> | 99.50% |
| Pump Energy Consumption | 972,360 KW          | 262800 KW                 | 709,560 KW          | 73%    |
| Installation Space      | 100 m <sup>2</sup>  | 24 m <sup>2</sup>         | 76 m <sup>2</sup>   | 68%    |

## Value Proposition

### 2.5x better filtration efficiency than sand filter

1 Micron filtration

99.99% removal of cryptosporidium

90% Less Water Consumption.

30% Less Energy from smaller pump horse power

30% reduced chlorine consumption & other chemicals for water balance

No Flocculant or Coagulant is needed

### 4x Smaller Space Footprint required

Smaller Balance Tank requirement

No Backwash holding tank required

Easy and Flexible installation

Minimal plumbing required

Automatic daily regeneration

Remote monitoring & operation capable

Automatic alarm notification



### AF WATER SYSTEMS EQUIPMENT CO LTD

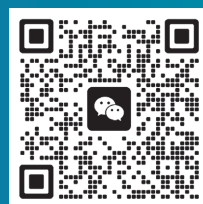
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