

# Liquid Jet Solids Ejector

„ The simple, quick and smart way to bring bigger volume of AFM® into a filter“



- ✓ Quick
- ✓ No dust formation
- ✓ No downsizing of media
- ✓ No need for special trucks
- ✓ Ideal for filters with bad access
- ✓ No lifting of bags into filters
- ✓ Only water supply needed
- ✓ Small and easy to transport



## How does it work?

- Water from the mains or another supply system is needed and acts as transport media for the AFM<sup>®</sup>
- The AFM<sup>®</sup> is fed into the small hopper either direct from a BigBag (Crane or Forklift needed) or from standard 25kg bags
- The AFM<sup>®</sup> gets premixed with water and then accelerated & transported by the main water stream

Grade	Time indication per t @~7-8 bar, no height difference
1	6.5 min
2	8 min
3	10 min



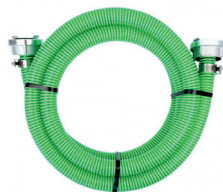
## Specifications These Values are based on calculations and some field tests, no guarantee

Min. Water Pressure (at Inlet)	4 bar */***
Recommended water Pressure (at Inlet)	6-8 bar */***
Max. Water pressure (at Inlet)	8 bar */***
Recommended Pipe Ø Inlet	40 - 75mm
Recommended Pipe Ø Outlet	40 - 55mm
Water usage **	15 to 30 m <sup>3</sup> /h (approx. 3m <sup>3</sup> /t)
Max. back pressure after ejector***	1.6bar (16 mH <sub>2</sub> O)
Connections (In- & Outlet)	Storz C (55mm) / G 2" <small>BSPP ISO 228</small>
* the higher the inlet pressure and the lower the back pressure, the higher the transport capacity per h.	
**Varies depending on inlet pressure & back pressure	
<p>***Thumb Rule for back pressure &amp; min pressure:</p> <p>Pos. height difference (1m=0.1bar)</p> <p>+ pressure loss in pipe (approx 0.3bar per 10m)</p> <p>+ 1 bar</p> <p>= absolut back pressure</p> <p>This value x 2 = min. inlet pressure (min 4 bar)</p> <p>This Value x 3 = ideal pressure (max 8 bar)</p>	<p>Example:</p> <p>5m height difference = 0.5bar</p> <p>+30m pipe = 0.9bar</p> <p>+ 1 bar</p> <p>= 2.4bar</p> <p>--&gt; Min. inlet pressure = <b>4.8bar</b></p> <p>--&gt; Ideal pressure = <b>7.2 bar</b></p>

### What you need:



1x



Outlet



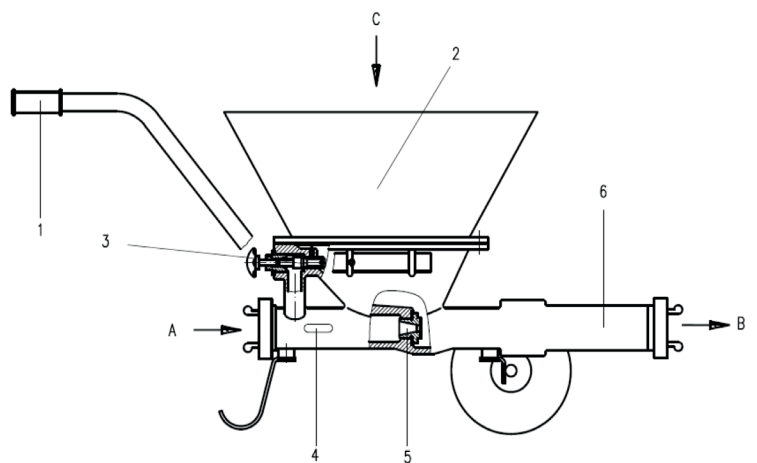
Inlet



1x  
Inlet

## Quick User Guide

1. Position Ejector in a suitable location
2. Connect Valve at Inlet side of Ejector and close it
3. Connect Inlet Pipe (flexible hose) from water source to ejector (A)
4. Connect outlet Pipe (rigid hose) at ejector and put end of pipe into filter (B)
5. Open water supply
6. Add AFM into hopper (C)
7. Open Inlet Valve at ejector
8. Open flush Valve at ejector (3)
9. That's it!



### Tips:

- Make sure the filter has a water outlet & drain
- Ideally 1-2 person are loading the ejector and 1-2 are filling the filter
- Take a Radio to communicate when ejector & filter are far away from each other
- Check ahead if you need any adapter to the water supply and get permission to use it
- Check the how-to video by scanning the QR-Code:

