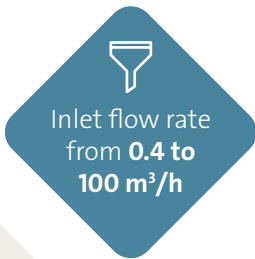


HYDROCYCLONE MA

Separation technology designed for Microsand enhanced clarifier

The range of Standard Hydrocyclones MA has been specifically developed by Veolia for the separation of microsand and sludge on all the Actiflo Applications.

• 6 models



✓ FEATURES & BENEFITS

- Body made of polyurethane resistant to abrasion
- Material suitable for drinking water applications (WRAS and ACS approved, FDA approval in progress)
- Design specifically for separation of specific microsand used by Veolia
- Possibility to use service water to wash the microsand, reducing largely sludge and bacteria (including E. coli) return into Actiflo Process
- Only design suitable for Actiflo Carb, Soft and HCS applications

+ OPTIONS

- Different diameters of Vortex finder in order to reduce pressure loss (available for the 3 bigger models only)
- Different diameters of APEX wear part in order to adjust water underflow (available for the 3 bigger models only)

⚙ APPLICATIONS

- Actiflo Classic
- Actiflo Turbo
- Actiflo HCS
- Actiflo Carb and Twin Carb
- Actiflo Soft

MARKETS

- Drinking Water
- Process Water
- Municipal Waste Water
- Industrial Waste Water
- Storm Water



HYDREX® CHEMICALS

Hydrex™ 9000 water treatment chemicals from Veolia Water Technologies are recommended for optimized plant operation.

RELATED SERVICES

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation of installed plant.





Equipment Performance & Dimensions

Model	MA1	MA5	MA10	MA20	MA40	MA80
Min inlet flowrate	0.4 m ³ /h	4 m ³ /h	8 m ³ /h	16 m ³ /h	35 m ³ /h	60 m ³ /h
Max inlet flowrate	1 m ³ /h	6 m ³ /h	14 m ³ /h	30 m ³ /h	60 m ³ /h	80 m ³ /h
Pressure required at minimum inlet flowrate*	0.5 bar	0.6 bar	0.6 bar	0.6 bar	1.25 bar	1 bar
Pressure required at maximum inlet flowrate*	2.5 bar	1.5 bar	1.8 bar	2 bar	3 bar	1.8 bar

* Counter-pressure on overflow to be considered in addition.

Connections and dimensions

Model	MA1	MA5	MA10	MA20	MA40	MA80
Feed inlet	15.8 mm	1"	2"	2" ½	4"	4"
Overflow/Vortex finder outlet	15.8 mm	1" ½	2"	2" ½	4"	6"
Type of connection	Hose Barb	Victaulic	Victaulic	Victaulic	Victaulic	Victaulic
Service water inlet	15.8 mm	½"	¾"	¾"	¾"	1"
Total height	224 mm	445 mm	606 mm	796 mm	1116 mm	1293 mm
Body external width/diameter	60 mm	150 mm	210 mm	260 mm	400 mm	470 mm
Empty Weight	650 g	6.2 kg	10.5 kg	18.2 kg	76.2 kg	116 kg
Max Operating weight	750 g	7.5 kg	15 kg	31 kg	102 kg	170 kg

Service water requirements

Quality	20 µm filtered water
Pressure	Sludge/Sand Inlet pressure + 0.5 to 3 bar
Flow	8% to 10% of the inlet flow
Type of connection	Hose Barb

Inlet sand+sludge requirements

Max temperature	60°C
Max TSS	200 g/l
Max particle size	2 mm

