

**MEMBRANE CLEANING SKID
ADES MCS
Series**

**Model
ADES-MCS-036**

GENERAL INFORMATION

When operating under normal conditions, the membranes can become degraded by micropollutants, organic material and suspended solids. **ADES MCS** will be a perfect solution to clean any membranes without displacing them from the system.

ADES MCS is ergonomically designed with FRP housings and cartridge filter elements ranging from 0.6 micron to 100 micron, making it very suitable for pre-filtration of CIP process, chemical filtration, pharmaceutical, desalination etc. that provide superior flow rates, corrosion resistance, lesser foot print and long lasting performance.

ADES-MCS-036 system includes:

- ✓ CIP pump with IE3, IP55 motor.
- ✓ Pentair housing and cartridge filter element.
- ✓ CIP tank (PE made).
- ✓ uPVC Sch80 piping.
- ✓ Liquid filled pressure gauges and Flow indicator.
- ✓ Manual valves and accessories.
- ✓ PWT chemicals for CIP (1 pail of each type).
- ✓ SS400 with 3 layers epoxy coated steel skid frame.
- ✓ Connection with JIS10K Flange.
- ✓ 380 - 415V / 3Phase / 50Hz power supply.

System Features/ Benefits

- High flow filtration with a wide range of cartridge micron rating to suit your application.
- High performance polypropylene media.
- Rugged design & lower cost alternative.
- Labor-saving quick change design.
- Vertical rack system saves valuable floor space.



*The above photo of ADES-MCS-036 is for illustration purpose only.



*AquaLine housing and cartridge filter

Pump Specifications

Pump type	Centrifugal pump
Flowrate (m ³ /h)	36
Head (mH)	40
2 Poles x 3 Phase x 50 Hz x IP55 x IE3	
Material	
Pump body	Stainless Steel 316L
Impeller	
Shaft	

Cartridge filter Specifications

Housing	80AQ15-60
Shell material	FRP
Design / Operating pressure (bar)	10.3
Max. operating temperature (°C)	45
Filter element	ALN05-60B
Material	PP
Dimension L x D (inch)	60 x 6.75
Pore size (µm Nominal)	5

CIP Chemicals Specifications¹

Low pH cleaner (2.5 - 3.5)	Opticlean™ A
High pH cleaner (10.5 - 12)	Opticlean™ B
Application	MF / UF / NF / RO membranes
Certificate	NSF/ANSI 60

¹Please contact ATS Water Technology for custom cleaning procedure.

System and Operating Configuration

Model	ADES-MCS-036
No. of AquaLines	01
Dimension ² L x W x H (mm)	1600 x 2000 x 2100
Approx. Weight (kg)	190

²The dimensions of the system may vary and subject to change without prior notice.

Mechanical Connections (Flange)²

Feed Port	DN100 (4")
Permeate Port	DN80 (3")
Drain Port	DN25 (1")



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