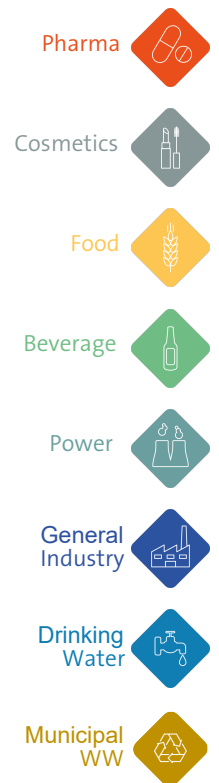
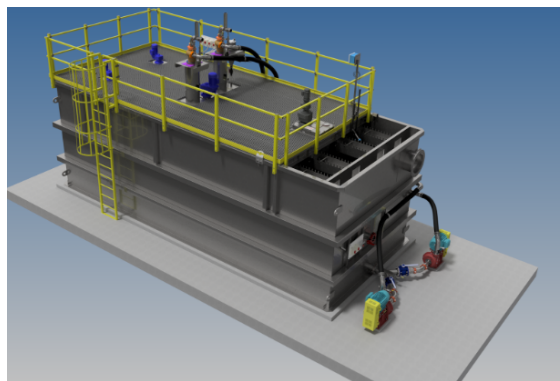
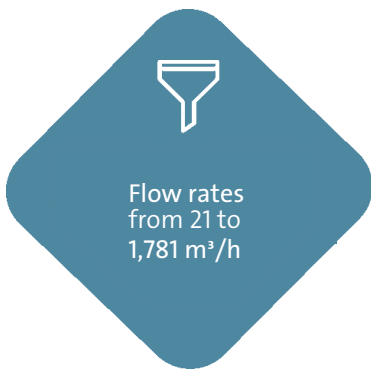


ACTIFLO® Package Plant ACP2 MKIII

The Ultimate Microsand enhanced clarifier

The Actiflo® Package Plant ACP2 MKIII is a very compact and fully standardized clarifier package plant. It can be used for various applications such as drinking water, waste water treatment, re-use or process water. This product range is based on the Actiflo process developed by Veolia that uses microsand and polymer in the flocculation tank to increase settling velocity. Veolia has more than 20 years of design, commissioning and operational experience. Over 1,800 Actiflo units have been installed worldwide by Veolia, including more than 900 package plants. This package plant is integrating the continuous innovation carried out by Veolia in order to always stay on the cutting edge to meet customer needs and performance excellence.



✓ FEATURES & BENEFITS

- High treatment efficiency: turbidity and TSS removal up to > 99%; treats all water and wastewater sources
- Extremely quick start-up time: reaches treatment efficiency within few minutes
- Process stability: the microsand buffers the effect of raw water flow or load variations, making the process very user friendly and easy to operate
- Efficient in cold water applications: suitable for use also in Nordic regions
- Fully standardized design: complete documentation readily available
- Numerous standard options and alternatives to enhance performances and monitoring

HYDREX™ CHEMICALS

Hydrex™ 3000, 6000 & 9000 water treatment chemicals from Veolia Water Technologies are recommended for optimized plant operation.

💧 APPLICATIONS

- Industrial process water: surface/ground water treatment, pre-treatment to membrane and ion exchange systems
- Municipal and industrial wastewater treatment: primary/secondary/tertiary treatment, biofilter backwash water and trickling filter effluents
- Stormwater and combined sewer overflow treatment, reverting to effluent polishing during dry weather
- Recycling/reuse of municipal and industrial effluents

ASSOCIATED SERVICES

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





System Operating Parameters

Model	Unit	ACP2-15	ACP2-30	ACP2-40	ACP2-45
Min Feed Flowrate ⁽¹⁾	m ³ /d	500	1000	1500	2000
	US gpm	92	183	275	367
Max Feed Flowrate	m ³ /d	2000	4000	6000	8000
	US gpm	367	734	1101	1468
Coagulation Volume	m ³	1.52	2.81	4.30	5.81
Floculation Zone Volume	m ³	4.54	8.36	12.91	16.74
Mirror Surface	m ²	1.04	2.08	3.12	4.16

Model	Unit	ACP2-55	ACP2-60	ACP2-70	ACP2-75
Min Feed Flowrate ⁽¹⁾	m ³ /d	3000	4000	6250	7125
	US gpm	550	734	1147	1307
Max Feed Flowrate	m ³ /d	12000	16000	25000	28500
	US gpm	2201	2935	4586	5228
Coagulation Volume	m ³	8.59	11.39	17.73	20.52
Floculation Zone Volume	m ³	25.83	34.06	52.20	61.31
Mirror Surface	m ²	6.25	8.33	13.02	14.84

⁽¹⁾ Selection of models must be done according to water characteristics and treatment requirements

System Dimensions

Model	Unit	ACP2-15	ACP2-30	ACP2-40	ACP2-45
Total Installed Length ⁽²⁾	m	4.50	6.20	7.00	8.00
	ft	14.80	20.40	23.00	26.20
Total Installed Width ⁽²⁾	m	3.10	3.30	3.60	3.70
	ft	10.20	10.80	11.80	12.10
Total Installed Height ⁽³⁾	m	4.40	4.90	4.70	5.30
	ft	14.50	16.10	15.40	17.40
Clearance Height	m	5.10	5.90	6.40	6.30
	ft	16.80	19.40	21.00	20.60
Empty Weight	kg	4950	5443	9750	8180
	lb	10997	12000	21450	18000
Operating Weight	kg	19217	33000	47370	54550
	lb	42662	72750	104450	120000

Model	Unit	ACP2-55	ACP2-60	ACP2-70	ACP2-75
Total Installed Length ⁽²⁾	m	9.20	10.60	12.30	13.10
	ft	30.20	34.800	40.40	43.00
Total Installed Width ⁽²⁾	m	4.40	5.00	5.50	5.90
	ft	14.50	16.40	18.00	19.40
Total Installed Height ⁽³⁾	m	5.00	5.10	6.10	6.10
	ft	16.40	16.80	20.00	20.00
Clearance Height	m	6.30	6.30	6.80	6.80
	ft	20.70	20.70	22.30	22.30
Empty Weight	kg	13500	14363	26621	24000
	lb	29762	31664	58690	61730
Operating Weight	kg	95450	114594	175803	185000
	lb	209990	252636	387580	407000

⁽²⁾ Including recirculation line(s)/pumps & ladder.

⁽³⁾ Including hydrocyclone support and vent & transmitter support.

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Pipes Connections

Model	Unit	ACP2-15	ACP2-30	ACP2-40	ACP2-45
Inlet	DN	150	200	250	300
	in	6	8	10	12
Outlet	DN	150	250	300	350
	in	6	10	12	14
Sludge (1)	DN	50	80	100	100
	in	2	3	4	4
Coagulation Drain	DN	50	50	50	50
	in	2	2	2	2
Flocculation Drain	DN	50	50	50	50
	in	2	2	2	2
Settler Drain	DN	100	100	100	100
	in	4	4	4	4

Model	Unit	ACP2-55	ACP2-60	ACP2-70	ACP2-75
Inlet	DN	350	450	500	500
	in	14	18	20	20
Outlet	DN	400	500	600	600
	in	16	20	24	24
Sludge (1)	DN	100	150	150	150
	in	4	6	6	6
Coagulation Drain	DN	50	50	100	100
	in	2	2	4	4
Flocculation Drain	DN	50	50	100	100
	in	2	2	4	4
Settler Drain	DN	100	150	200	200
	in	4	6	8	8

⁽¹⁾ Maximum diameter shown. Actual size based on selected recirculation flow rate.

Feed water Requirements

Parameter	Unit	Value
Minimum water temperature	°C	0.5
	°F	33
Maximum water temperature	°C	35
	°F	95
Maximum Inlet TSS ⁽³⁾	mg/l	TBD
Maximum Inlet Turbidity ⁽³⁾	NTU	1000
Maximum Inlet particle size	mm	TBD

⁽³⁾ For some applications, max acceptable inlet TSS or Turbidity should be lower in order to warranty performances.

Typical Treated Water Quality

Parameter	Unit	Value
TSS Removal Efficiency	%	Up to 99% ⁽⁴⁾ Up to 90% ⁽⁵⁾

⁽⁴⁾ drinking and process water ⁽⁵⁾ wastewater
In both cases function on the application, raw water quality and chemical dosages

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Environmental Conditions

Parameter	Unit	Value
Minimum ambient temperature	°C	5
	°F	41
Maximum ambient temperature	°C	35
	°F	95
Maximum humidity	%	90

Standard design can be modified on request.

Materials of Construction

Tank	Coated Carbon Steel
Internal Components	SS304L
Recirculation Pipework	Flexible hose /galv. steel

Other materials available on request.

Power Requirements

Version	ASME US	ASME Canada
Voltage ⁽⁶⁾	460 V	575 V
Frequency	60 Hz	60 Hz
Phases	3	3

⁽⁶⁾ Other voltages available on request.



*Product manufactured by Veolia Water Technologies Canada whose quality system has been certified ISO 9001 by Bureau Veritas Certification.