ACTIFLO® Pack ACP2

The Ultimate Microsand enhanced clarifier

The Actiflo® Pack 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 floculation 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 worlwide 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

Pharma
Cosmetics
Food
Beverage
Power
General Industry
Drinking Water
Municipal WW

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

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

HYDREX™ CHEMICALS

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

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 Performances

Model	Unit	ACP2-15	ACP2-30	ACP2-40	ACP2-45	ACP2-55	ACP2-60	ACP2-70	ACP2-75
Min Feed Flowrate(1)	m³/h	21	25	38	50	75	100	156	178
	US gpm	92	110	167	220	330	440	686	783
Max Feed Flowrate	m³/h	104	221	369	414	629	995	1259	1441
	US gpm	458	972	1624	1822	2768	4378	5540	6340

(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	ACP2-55	ACP2-60	ACP2-70	ACP2-75
Total Installed Length(2)	m	4.40	6.50	7.70	9.50	11.20	12.50	14.00	15.00
	ft	14.40	21.30	25.30	31.20	36.70	41.00	45.90	49.20
Total Installed Width(2)	m	3.00	3.20	3.50	3.60	4.20	4.90	5.40	5.50
	ft	9.80	10.50	11.50	11.80	13.80	16.10	17.70	18.00
Total Installed Height(2)	m	5.40	5.70	6.10	6.00	7.00	7.00	7.50	7.50
	ft	17.70	18.70	20.00	19.70	23.00	23.00	24.60	24.60
Clearance Height	m	6.40	6.70	7.10	7.00	8.00	8.00	8.50	8.50
	ft	21.00	22.00	23.30	23.00	26.20	26.20	27.90	27.90
Empty Weight	kg	4000	7000	8100	9100	11500	15500	18200	21700
	lb	8800	15400	117820	20020	25300	34100	40040	47740
Operating Weight	kg	26000	37500	53000	64000	90000	122000	180000	200000
	lb	57200	82500	116600	140800	198000	268400	396000	440000

(2) Including recirculation line(s), ladder and embedded control panel.

Feed water requirements

Parameter	Unit	Value
Minimum water temperature	°C	2
	°F	35
Maximum water temperature	°C	40
	°F	104
Maximum Inlet TSS(3)	mg/l	1500
Maximum Inlet Turbidity(3)	NTU	1000
Maximum Inlet particle size	mm	2

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

Environmental conditions

Parameter	Unit	Value
Minimum ambient temperature (4)	°C	5
	°F	41
Maximum ambient temperature (4)	°C	35
	°F	95
Maximum humidity(4)	%	90

(4) Standard design can be modified on request to be suitable for other environmental conditions.

Materials

Tank	Coated Carbon Steel
Internal Components	SS304L
Recirculation Pipework	HDPE

(5) Other materials available on request.

Power requirements

Version	ISO Spain	ISO China	ASME US	ASME Canada
Voltage(6)	400 V	400 V	460 V	575 V
Frequency	50 Hz	50 Hz	60 Hz	60 Hz
Phases	3	3	3	3

(6) Other voltages available on request.

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