

ACTIFLO® PACK (APW / APWW series)

High Rate Clarifier

The pre-engineered Actiflo® Pack (APW / APWW series) is a compact standard package plant for drinking water, process water wastewater treatment and water re-use. The process is a highly efficient and proven clarification technology, which uses a microsand ballast that functions as a seed, enhancing floc formation and settling.

Flow rates:

Drinking and process water:
from 40 to 320 m³/hr per unit
Wastewater:
from 80 to 640 m³/hr per unit

Features & Benefits

- Turbidity removal >90%, treats all water sources; highly efficient
- Reacts quickly to changing raw water quality; provides consistently high effluent quality
- Compact design, much smaller than conventional clarifiers; easily integrated into existing works
- Modular; units may be combined for higher flow rates
- Rapid start-up, fully operational in less than 20 minutes
- Pre-engineered; minimal civil engineering, short lead times, fast commissioning
- Over 500 Actiflo® installations worldwide; patented and proven technology from Veolia Water Technologies

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.

Applications

- Primary clarification of wastewater
- Treatment of biofilter backwash water
- Clarification of trickling filter effluents
- Storm water treatment, reverting to effluent polishing during dry periods
- Tertiary polishing or phosphorus removal
- Drinking water treatment, both ground and surface waters
- Giardia and cryptosporidium removal
- Pre-treatment of industrial process waters
- Recycling/reuse

Hydrex™ Chemicals

Hydrex™ 3000 & 6000 water treatment chemicals from Veolia Water Technologies should be used for optimised plant operation.



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Equipment Performance

	Typical Design Flows (m ³ /hr)
Water	
APW-1	40
APW-2	80
APW-3	160
APW-4	320
Wastewater	
APWW-1	80
APWW-2	160
APWW-3	320
APWW-4	640

For potable/process water, clarified water turbidity is normally reduced to 0.5 NTU or less at rise rates of between 40-60 m/hr. For wastewater, the reduction is typically 85-95% of SS, 50-60% of COD and 85-95% of P at rise rates of between 80-120 m/hr.

Assembled Equipment Dimensions

	Length (cm)	Width (cm)	Height with Scrapper (cm)
Water	meters	meters	meters
APW-1 / APWW-1	410	327	498
APW-2 / APWW-2	584	352	452
APW-3 / APWW-3	636	384	482
APW-4 / APWW-4	885	502	482

For shipping dimensions, please contact us.

For higher flow rate applications consult your local Veolia Water Technologies company, contact details below.

Visit our website: www.veoliawatertechnologies.com/actiflo/en/