



CONCRETE WASH

**Handling and disposal of residual
concrete made easy**



CONCRETE PUMPS

...sharing knowledge



Handling and disposal of residual concrete made easy

CONCRETE WASH Concrete recycling plant, manufactured by Aquarius, is a definite solution for solving your problem of disposal of residual concrete and slurry water produced while cleaning transit mixers, concrete pumps, stationary mixers and concrete buckets.

CONCRETE WASH provides separation between solids over 0.15 mm diameter, through spirals rotating inside an inclined stationary drum.

Slurry water is discharged by forced overflow into a slurry pit and is then used for recycling in fresh concrete production.

Main advantages of CONCRETE WASH can easily be recognized as :

- The extraction of solid material is performed through a spiral system without any clogging of filtering shovels usually adopted in sand washing plants.
- Total mechanical reliability guaranteed by epicycloidal gearbox without any possibility of contact with concrete.
- The maximum wear resistance granted due to low rotating speeds.
- Allows easy placement inside existing concrete plants due to possibility of variable position layouts.
- Highly efficient production capacity of 10m³/hr.

CONCRETE WASH

Operation and control of recycling plant is made easier with automatic control and minimum user interface due application of modern control methods.

Easy operating Sequence:

- Position the transit mixer.
- Open clean water valve for diluting leftover concrete inside the transit mixer.
- Press START button on the control panel.
- Discharge diluted concrete in feed hopper.
- Press STOP button when all concrete is discharged and mixer is clean & empty.
- The plant keeps working automatically until all solids are extracted.

CONCRETE WASH: Versatility & reliability

- Thanks to the possibility of variable positioning of the feed hopper the recycling plant can be accommodated in any existence or new concrete plants.
- The reliability of the transmission system flanged to electric motor, completely above the flow of material grants perfect operation in any climatic conditions.

TECHNICAL DATA:

CONCRETE RECYCLING PLANT: CONCRETE WASH	Model	CW 10
Max. washout (normal concrete)	m ³ / hr	11
Max. washout (normal mortar)	m ³ / hr	4
Separation of solids down to	mm	0.15
Max. size of aggregate	mm	50
Delivery required of clean water	m ³ / hr	12-18
Pressure required for clean water	bar	2
Time required for end washing	min.	6
Max. no of discharge vehicles	no.	2
Dimensions of discharge hopper	m	1.5 x 2.0
Separator motor	Kw	5.5
Clean water pump	Kw	2.2
RECYCLED WATER AGITATOR & PUMP	Model	AR30
Max. agitating capacity	m ³	30
Agitator motor	Kw	3
Dimensions of slurry pit	m(l x b x h)	3.2x3.2x2.9
Agitation cycle (Pause / work) STD	min	15/3
Recycled water pump	Kw	3
Delivery of recycled water pump	m ³ / hr	50

Connected load for Recycling plant CW 10:

13.7 Kw @ 415V, 50Hz



Authorized Dealer:

CONCRETE TECHNOLOGY

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