



READYGo™ PULPWASH READYGo™ PULPWASH HC



A compact and easy to commission secondary solids recovery system

READYGo™ PULPWASH

READYGo™ PULPWASH HC (High Capacity)

A Complete, Self-Contained Secondary Solids Recovery System Mounted On a Skid.

Overview

The recovery of secondary solids from citrus pulp is one of the most straightforward methods to increase primary juice yield by up to 8%. Up to now, installation of a three-stage pulp wash system has been an expensive endeavor requiring customized design and extensive on-site installation time. As part of JBT's READYGo™ family of skid-mounted citrus processing systems, READYGo PULPWASH simplifies installation and operation of a complete four stage secondary solids recovery process.

Technology and Simplicity

The skid utilizes the latest PLC and color graphical user interface technology to create a simple-to-operate process system. Operation and cleaning of the unit are accomplished via a large color touch screen mounted on the electrical panel. The intuitive graphical interface allows an operator to start, stop, clean and monitor the system with minimal training required. Water addition to the system is automatically calculated by inputting the number of extractors currently running and the estimated pulp content of the juice. The sophisticated software then automatically regulates the water flow to the system.

Cleanability and Connectivity

Cleaning the system is easy. The integrated CIP system only requires delivery of hot 2% caustic to the feed tank mounted on the skid and a single button push starts the cleaning sequence.

The CIP sequence only takes about 20 minutes with little or no manual intervention.

With a customer-provided Internet connection to the skid, JBT engineers are able to access, troubleshoot and modify the PLC code remotely thereby providing almost instantaneous technical support.

Features

- Complete, self-contained, 3-stage pulp wash system
- Automatic CIP and spray system included
- Sophisticated automation system using advanced PLC technology
- Large color graphical touch screen
- Ethernet network connectivity
- Simple utility requirements: air, water, caustic and 480V electrical service
- Self contained electrical starters and Variable Speed Drive (VSD)
- Small footprint
- Minimal assembly and installation required
- Includes remote, 1st stage pump to transfer pulp from the primary finishers to the skid
- Shipping container ready

Benefits

- Significantly less cost than a traditional 3-stage finisher system
- Small footprint and straightforward utility requirements reduce the cost of installation
- Attractive return on investment



- Existing juice room operators operate and clean the system; no additional labor cost required
- Gentler separation and reduced residence time may significantly reduce pectins in the pulp wash liquor improving evaporation efficiency

Capacity and Performance

CAPACITY AND PERFORMANCE	RG PW	RG PW HC
Pulp Capacity	22 GPM (5 m3/hr)	32 GPM (7.3 m3/hr)
Number of Extractors	14	20
Max Water Flow @3:1	66 GPM (15 m3/hr)	96 GPM (22 m3/hr)

- 85% to 90% total solids recovery
- Can provide an additional 7% solids yield (assuming 5% pulp content in fruit, 85% system efficiency)

Customer Requirements

The following items are not included in the skid price, but can be quoted separately if desired:

- Chutes, diverters and piping required to deliver pulp to the first stage pump
- Water and caustic piping to the unit
- Installation of proper electrical service up to the skid-mounted panel
- Chutes required to discharge the spent pulp from the finisher to the customer waste system
- Skid is priced ex-factory, Lakeland, Florida
- The cost of boxing, loading and shipment is not included and will be quoted separately
- All taxes and import duties are the purchaser's responsibility

Approximate Specifications

SPECIFICATIONS	
SHIPPING	The skid is designed to fit into a standard 40' shipping container
WEIGHT	6,000 lb (2,722 kg)
AIR	80 PSI Instrument Quality (5.5 bar)
DIMENSIONS	Assembled dimensions are as follows 84" W (2.13m) 204" L (5.18m) 128" H (3.25m)
ELECTRICAL	200A 480V (+10%/-6%) 3 ph 60 Hz
WATER	75 GPM (17 m ³ /h)
CAUSTIC	50 GPM (11 m ³ /h), 2%, 165 °F (74 °C)



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