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**Canadian Process
Technologies Inc.**

is a Canadian company
operating internationally in the
mining, petrochemical and
pulp & paper industries.

CPT's core business is
process equipment supply,
metallurgical testing and
process consulting.

CPT is committed to providing
state-of-the-art equipment and
process solutions for new and
existing projects worldwide.

CPT's client base extends far
beyond North America,
reaching all corners of the
world.

R S P

**Rotating Slurry Powered
Distributor**



**6-Way RSP Distributor
Ready for Shipment**

Slurry Distribution . . an Historic Problem

The requirement to split a slurry stream to feed two or more parallel units - and to do it uniformly and reliably - has been a problem throughout the history of milling.

A variety of gravity, pressurized and motorized distributors have tackled this problem with limited success.

Gravity and pressure cans are notoriously unreliable - the accuracy of the feed split is always in question. And the distribution gets even worse when one or more outlets are taken off line. Motorized rotating distributors get the job done, but at the cost of high maintenance



Four RSP's at work in Araxa, Brazil

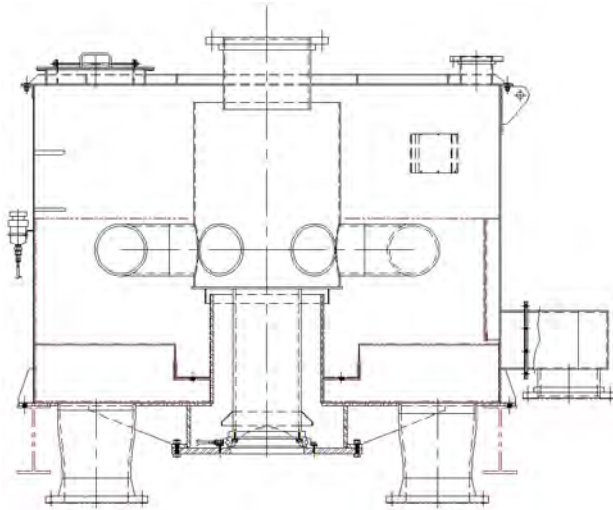
The **R S P** distributor provides, for the first time, absolutely reliable slurry distribution to multiple processing stages.

Benefits of the **R S P** include . . .

- ✓ modest capital cost
- ✓ very low maintenance cost
- ✓ **VERY** accurate feed split
- ✓ reliable, trouble-free operation
- ✓ slurry driven - no motors
- ✓ unique internal launder provides improved distribution when one or more outlets are off line



R S P Field Proven Design



**No Surprises
Just Reliable Distribution**

**Spin Force Testing
to guarantee the design**



Complex design calculations are verified first in the factory with spin force and rotating speed tests. Plant practice has confirmed factory designs within a few RPM.

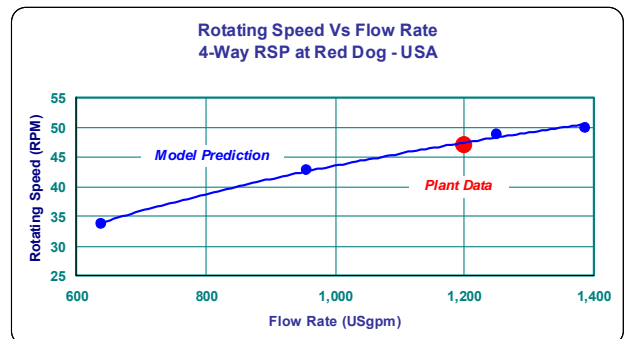


Rotating Element

Our Experience . . .

RSP shape and dimensions, especially of the internal rotating element, are critical for proper operation.

CPT has developed the modeling and design capability necessary to ensure accurate geometry required for proper operation of the RSP. The co-relation between CPT design and actual plant data are shown in the graph.



RSP's are working at . . .

- Fosfertil • Brazil (3 units)
- Serrana Araxá • Brazil (6 units)
- Serrana Cajatí • Brazil (4 units)
- Samarco • Brazil (3 units)
- Red Dog Mine • Alaska (3 units)
- Toquepala • Perú (3 units)
- Cuajone • Perú (1 unit)