

## Flowrox Ceramic Disc Filter™

### Highly efficient filtration & lowest energy consumption

Flowrox Ceramic Disc (CD) Filter™ requires low investment and delivers clear filtrate with dry cake. Compared to conventional vacuum filters, it consumes approximately 90 % less energy. Flowrox CD filter operates continuously with high capacity and is cost-efficient solution for many concentrator and tailings processes.

#### ➤ Flowrox Complete Filtration Solutions

Flowrox delivers long-term solutions to maximize your production, reduce downtime and lower total costs. Flowrox experts provide you with the whole package:

- Detailed analysis of process and filtration testing
- Equipment selection and sizing according to the test results and practical experience
- Optimizing filtration performance
- Close cooperation and full support at delivery, installation and start-up
- Complete service through entire filter life cycle



*Flowrox CD filter's continuous operation principle simplifies automation, operation and improves reliability.*

#### ➤ Applications for Flowrox Ceramic Disc Filters

##### Concentrates:

- Iron
- Copper
- Zinc
- Gold
- Phosphates

##### Tailings:

- Iron
- Copper
- Molybdenum
- Phosphorus
- Quartz sand



*Flowrox Ceramic Disc Filter performs extremely well in copper tailings filtration.*

### YOUR BENEFITS

High capacity & excellent process results



Low investment costs



Low energy consumption



Reliable operation & high availability



Complete lifetime support by Flowrox filtration experts



# Cost-efficient: Flowrox ceramic disc filter consumes approximately 90% less energy”

## Better Results with Lower Investment

- **High capacity:** filtration capacity of Flowrox Ceramic Disc (CD) Filter can be up to 2000 kg DS/m<sup>2</sup> per hour. This equals to 240 tons per hour with a single unit.
- **Continuous operation principle:** simplifies automation, operation and improves reliability. Process material flow is even and constant which makes it easier to manage.
- **Energy savings:** requires significantly less installed vacuum power. Cuts down up to 90 % of energy costs compared to conventional vacuum filters.
- **Clearer filtrate and drier cake:** filtrate solid content is on average less than 20 mg/litre. Compared to other kinds of filters where it is usually several hundreds of milligrams or even a few grams per litre.



Capacity of Flowrox Ceramic Disc Filter is high: up to 2000 kg DS/m<sup>2</sup> per hour.

Filter name	Filtration area m <sup>2</sup>	Disc area m <sup>2</sup>
Flowrox CD 15	15	3
Flowrox CD 30	30	3
Flowrox CD 45	45	3
Flowrox CD 60	60	6
Flowrox CD 120	120	6

Other sizes are available upon request.

## Enhance Process with Smart Filtration Digital Service

Flowrox connects the filters to the Flowrox Malibu™ online portal and enables remote monitoring of performance.

With Smart Filtration Digital Service, operators can optimize filtration process, increase production volume and detect failures before they even occur. All that can be done from anywhere with any computer, smart phone or other handheld device with internet connection.



Flowrox troubleshooting tools detect abnormalities in the process and automatically send alarms via email.

## Heavy Duty Flowrox Pinch Valves & Peristaltic Pumps

Flowrox is a benchmark manufacturer and industrial solutions provider of heavy duty valves, pumps and systems. Flowrox valves and pumps can withstand the most aggressive, abrasive and corrosive slurries. Reliable and efficient slurry handling is guaranteed.

## We Are Here to Help

Formerly known as Larox Flowsys, Flowrox has more than 40 years of experience in filtration, flow control, elastomer technology and technical textiles. Through the acquisition of Spare Parts Depot, Inc. and NovaTek Filtration, we re-entered the filter business and started manufacturing Flowrox Filter Press and Ceramic Disc Filter. We care and want to help you by offering our professional support.



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