

# PROTECT YOUR CRUSHER ENSURE YOUR PRODUCTIVITY

SANDVIK ELECTRIC DUMP VALVE FOR CONE CRUSHERS

Tramp iron and other uncrushable objects can cause expensive stoppages, equipment damage and higher services costs. Reduce exposure to damaging pressure peaks in your crusher by up to 90% with the Sandvik electric dump valve.

Our Sandvik electric dump valve (EDV) system delivers you the quickest tramp iron protection of any cone crusher on the market. It's cost effective protection for your Sandvik crushers.

up to **90%**  
reduction in pressure peaks\*

#### IMPROVED CRUSHER RELIABILITY AND AVAILABILITY

The EDV system checks the Hydroset hydraulic pressure 200 times per second. When pressure rises beyond a preset limit, the system instantly drops the main shaft to reduce mechanical stress on your crusher, greatly improving its performance and reliability.

#### STOP PROBLEMS BEFORE THEY START

An output signal from the control system notifies operators that the crushing chamber is opening, enabling corrective action to remove the unwanted object from the processing circuit.



# PROTECT YOUR CRUSHER – AND YOUR PEOPLE

## HIGHER AVAILABILITY AND GREATER RELIABILITY

Up to 90% reduction in exposure to damaging pressure peaks for higher crusher availability rates.

## IMPROVED SAFETY

Fewer breakdowns minimize risk of injury to maintenance personnel thanks to fewer maintenance hours.

## IMPROVED SERVICE LIFE

Significant increase in service life of structural components and bearings due to reduced exposure to pressure peaks.

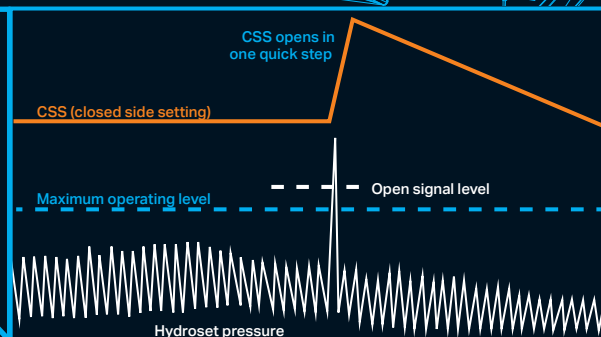
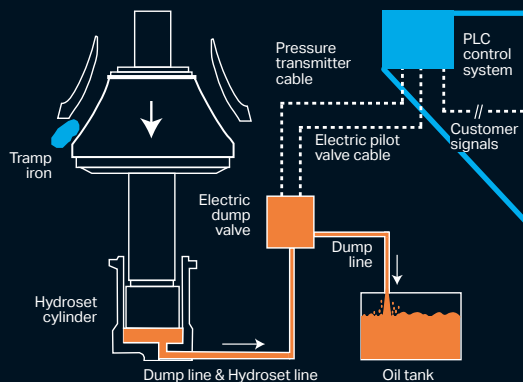
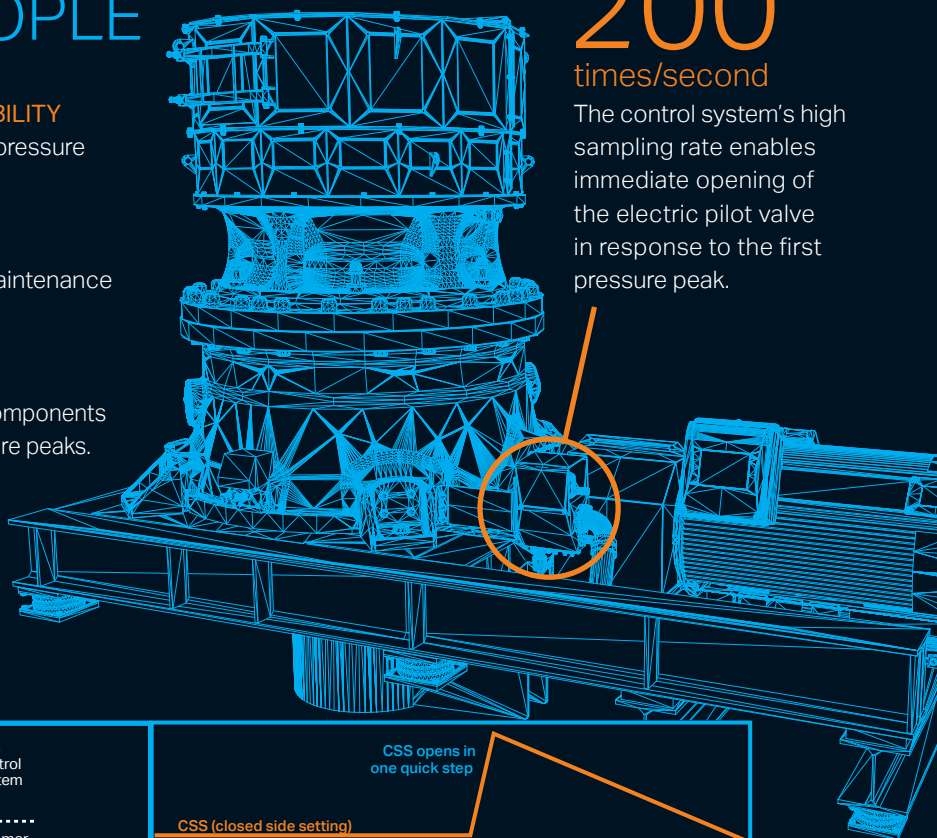
## AVOID EQUIPMENT DAMAGE

An event log of all control operations enables preventative measures upstream and corrective measures downstream, helping you avoid costly equipment damage.

# 200

times/second

The control system's high sampling rate enables immediate opening of the electric pilot valve in response to the first pressure peak.



Electric dump valve opens instantly to the first pressure peak and stays open allowing for a quicker CSS increase with no additional pressure peaks.

## CONTINUOUS CRUSHER SAMPLING

The EDV system automatically detects any abnormal pressure peaks caused by tramp iron, drill bits, mill balls, excavator teeth, pieces of steel and other uncrushable objects entering the crusher or by severe packing of fine material.

The control system instantly senses any sudden increase in pressure, and opens the electric pilot valve when triggered. This valve keeps the main dump valve open, allowing the unwanted object to pass through the crushing chamber without additional pressure peaks.

The ASRi system automatically repositions the main shaft after tramp iron is removed.

## KEEP YOUR OPERATIONAL COSTS UNDER CONTROL

The EDV system increases your productivity and keeps operational costs under control. It significantly reduces pressure peaks caused by uncrushable feed material, improving the reliability and availability of your crusher.

## COMPATIBLE WITH ALL SANDVIK CONE CRUSHERS

EDV kits are compatible with:

- CH860, CH865, CH870, CH890, CH895 – factory installed
- CH660, CH870, H6800, H7800 – retrofit kit
- H8000, H8000i, H8800, CH880 – retrofit kit

Learn more about our EDV system and other parts and service you can count on at [mining.sandvik.com](http://mining.sandvik.com). You can also visit [minestories.com](http://minestories.com) to see a case story on EDV.



\* Test results are to be considered as results reached under certain and controlled test conditions. These test results should not be treated as specifications and Sandvik does not guarantee, warrant or represent the outcome of test results in any or all circumstances.