

MD Magnetic Indicator Device



VSL-MDMS Sectional Model



VSL-MDMS

The MD magnetic indicator device is completely maintenance free and is suitable for extreme ambient conditions in the heavy industry. Even at temperatures of up to 120°C the device is resistant to dust and steam penetration. Therefore it is ideal for application in continuous casters or rolling mills.

In conventional two-line metering devices the indicator pin has been the weak spot when the metering device is subjected to full operating pressure. However, with the magnetic indicator device, seals are not required. The movement of the indicator pin is conveyed without contact by the aid of a strong magnet to the outer control ring sleeve. The control ring is coated with a bright colour so that it is visible even in poorly lit conditions.

The new magnetic indicator device is available for all Lincoln two-line metering device models VSKH, VSKV, VSG and VSL. The protection cap is available in brass or transparent plastic. The brass version is used for ordinary operating conditions where the metering device is not visible, for example, with continuous casting segments. For monitoring and checking in the workshop the protection cap can be taken off. As the cap is knurled it can be removed by hand without special tools and also facilitates subsequent replacement.

The new magnetic indicator device is only 18 mm longer than the standard KR control pin assembly and even 15 mm shorter than its predecessor. Therefore, existing standard metering devices can be easily retrofitted with the new magnetic indicator devices.

The output of the two-line metering devices is adjusted by means of metering screws available in different sizes.

Technical Data

Operating pressure: max. 400 bar
 Operating temperature: max. 120° C

Metering volumes:

Metering devices	Metering screws the following outputs per stroke			
VSL	5.00 cm ³	3.75 cm ³	2.50 cm ³	1.25 cm ³
VSG	2.20 cm ³	1.65 cm ³	1.10 cm ³	0.55 cm ³
VSKH/VSKV	1.50 cm ³	1.20 cm ³	0.60 cm ³	0.30 cm ³