

# QUALITY PROTECTS.



Lewatit® NM 3367

QUALITY WORKS.

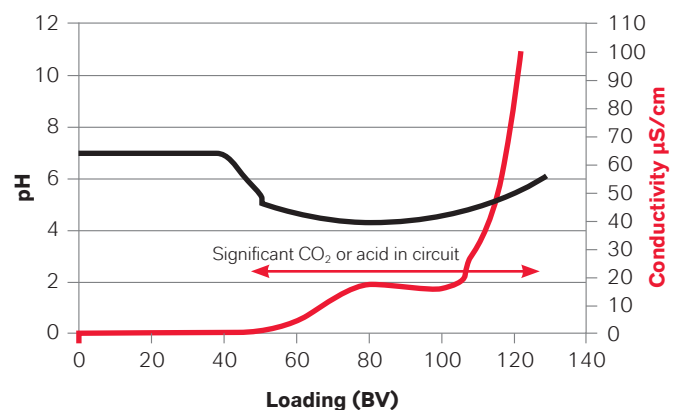
**LANXESS**  
Energizing Chemistry

## Lewatit® NM 3367

### Special, ready-to-use mixed-bed exchanger for modern heating systems

The latest-generation heating systems display very high-level efficiency. To protect these premium, high-tech systems against corrosion, the heating circuits must run on demineralized water. The water quality required to charge a heating system is defined in VDI standard 2037, issued by the Association of German Engineers. It recommends demineralized water with a conductivity of < 100 µS/cm to ensure the long service life and high operational reliability of a heating system. However, even with a water quality of < 100 µS/cm, acids can still be present, which cause low pH values in a heating system and thus corrosion. The acids (carbonic acid, mineral acids) result from saline feed water that has been desalinated in non-optimized or substandard mixed-bed exchangers.

#### Inadequate mixed-bed quality

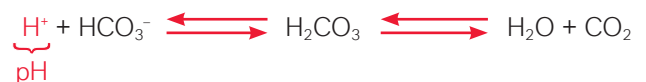


#### Reaction with insufficient anion capacity in the mixed-bed exchanger

Reaction – Cation resin/ions:



Reaction – Carbonate/carbonic acid/water:



## Quality properties of a mixed-bed exchanger for optimal water quality

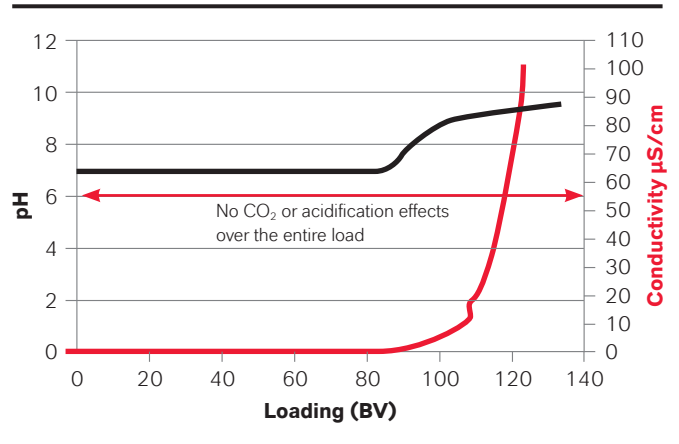
Lewatit® NM 3367 is a ready-to-use mixed-bed exchanger optimized specifically with a high load of OH<sup>-</sup>-ions for charging heating systems. Lewatit® NM 3367 prevents acidification and thus protects a heating system against corrosion. The CO<sub>2</sub>-proof packaging designed for this type of mixed-bed ensures very good exchange capacity with high process reliability even after long periods in storage. The mixed-bed can be used to charge heating circuits with a maximum temperature of 80°C.

- Optimized ratio of cation to anion exchange resins
- High proportion of functional groups in the OH<sup>-</sup>/H form
- CO<sub>2</sub>-proof packaging



## Optimal mixed-bed quality with Lewatit® NM 3367

Lewatit® NM 3367, with its high desalination capacity, produces acid-free water up to the recommended switch-off point.



## Recommended switch-off points downstream of mixed-bed:

- Standard metal systems: 100 µS/cm
- Aluminum systems: 5.0 µS/cm

## Operating conditions:

- Maximum specific load: 50 BV/h
- Maximum operating temperature: 80°C

## Contact

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