



# Hopper discharge unit for a harbor crane on the sea

**Product group:** Hopper discharge unit

**Industrial process:** Discharging, feeding, conveying

**Industry:** Construction, Quarries, Pits, Mining, Cement

**Type of drive:** Unbalance motor

**capacity (t/h):** 1250 | **bulk:** sulphur, phosphate rock, urea, sand, coal | **density (t/m<sup>3</sup>):** 0,74 - 1,6 | **grain size (mm):** 0 - 75

**function:**

For a harbor crane a bin discharge unit was needed. The device should have the ATEX explosion protection (ATEX Zone 20 inside, ATEX Zone 21 outside). It was also important that the bin discharge unit is designed to minimize vibrations into the crane and withstands of salty air.

**solution:**

AVITEQ offered an ATEX certified bin discharge unit with a length of 3000 mm and width of 1600 mm (EX OA3000 / 1600ASF-eUVN95W). In order to avoid vibrations in the crane special ROSTA elements were used. Against the salty air special drives and a special paint were taken for the steel structure.

**usability:**

High capacity in a small space.

**place of installation:** Turkey