MECHANICAL "VACU-STORM" SYSTEM

Joskin, who got many years' of experience in the design of slurry tankers obviously proposes different pumps (vacuum, Storm, Garda, lobes and spiral pumps). In order to offer the most adapted system to each customer, **a pump mix** was designed, which we call the VACU-STORM :
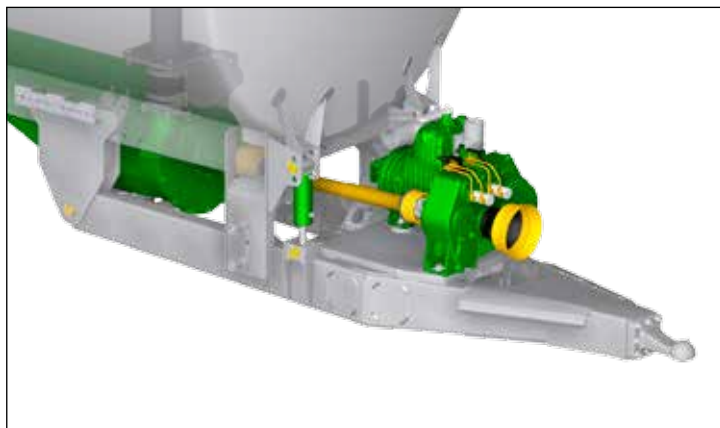
• one VACUUM pump for filling;

• one centrifugal STORM pump for emptying/feeding the rear implement.

General outline of the Vacu-Storm system

These two pumps can **be mechanically driven** through a PTO-shaft by a reinforced monobloc transmission box. This process grants the performances of a proven system.
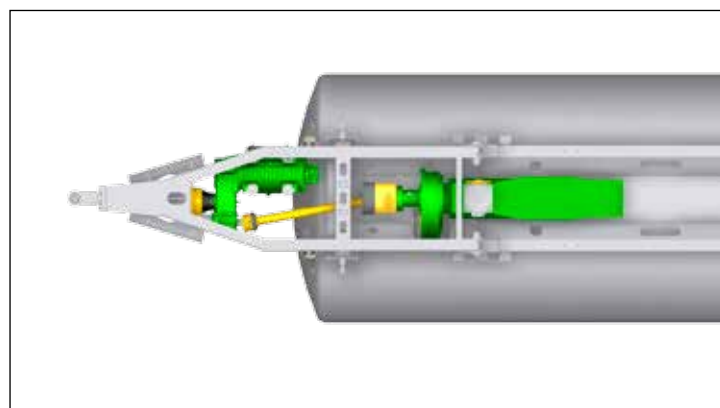
The vacuum system **(Jurop PN 155 and PNR 155 which offer a flow up to 10,000 l/min),** efficiently integrated on the drawbar, creates an atmospheric pressure difference in order to fill the tanker. By creating a vacuum (depression) in the tank, the slurry is sucked up. The addition of a turbo-filler furthermore allows to optimize the filling.

Mechanical drive of the 2 pumps through transmission box

The major advantage of the vaccum pump is to be well suited to all pumping situations (in pit, off-pit, funnel, ...). It brings a large flexibility of use, especially to the contractors.

The **centrifugal pump** and its housing, ideally placed under the tank, grant a fluid and homogeneous slurry feeding and reduce the maintenance to a **minimum.** The stone trap, mounted before the pump, avoids any unnecessary wear. This design also allows a safe and practical access.

View of the centrifugal pump and its feeding box

The STORM system pushes the slurry out of the pump thanks to the centrifugal power, created by the rotation of a propeller around an eccentric pump housing. The centrifugal pumping system designed by Joskin certainly reaches the highest flows (up to 10,000 l/min). Furthermore, the spread quantities can be easily managed by an electronic flow meter.

For those who pump in difficult situations and wish to spread on large widths or dispose of thick slurries, this is really the ideal combination.

Non contractual data, subject to changes.

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