

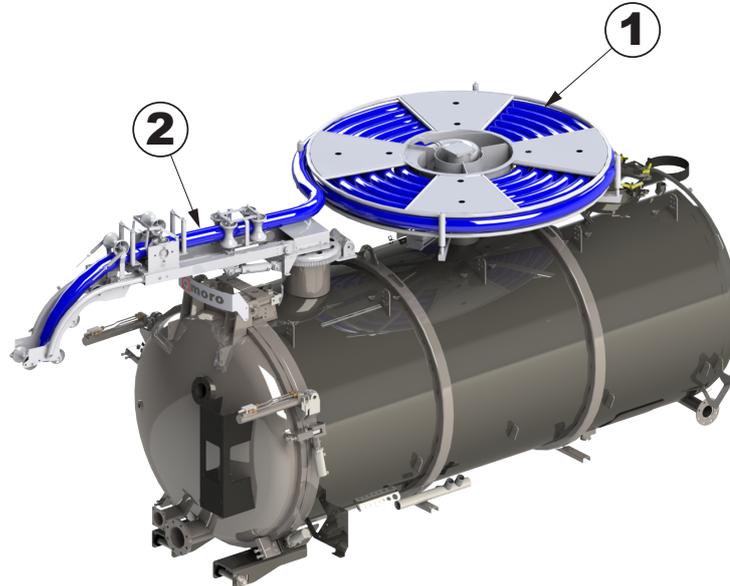


TECHNICAL SHEET



**TOP SUCTION
HOSE ROLLER SYSTEM**

Description



3", 4", 6" CARBON STEEL/STAINLESS STEEL TOP SUCTION HOSE ROLLER SYSTEM

The suction hose reel starts the vacuum line; it is the first component which comes into contact with the sludge material and it is the more complex part of the system and the air flow covered during the entire path from the suction mouth to the tank.

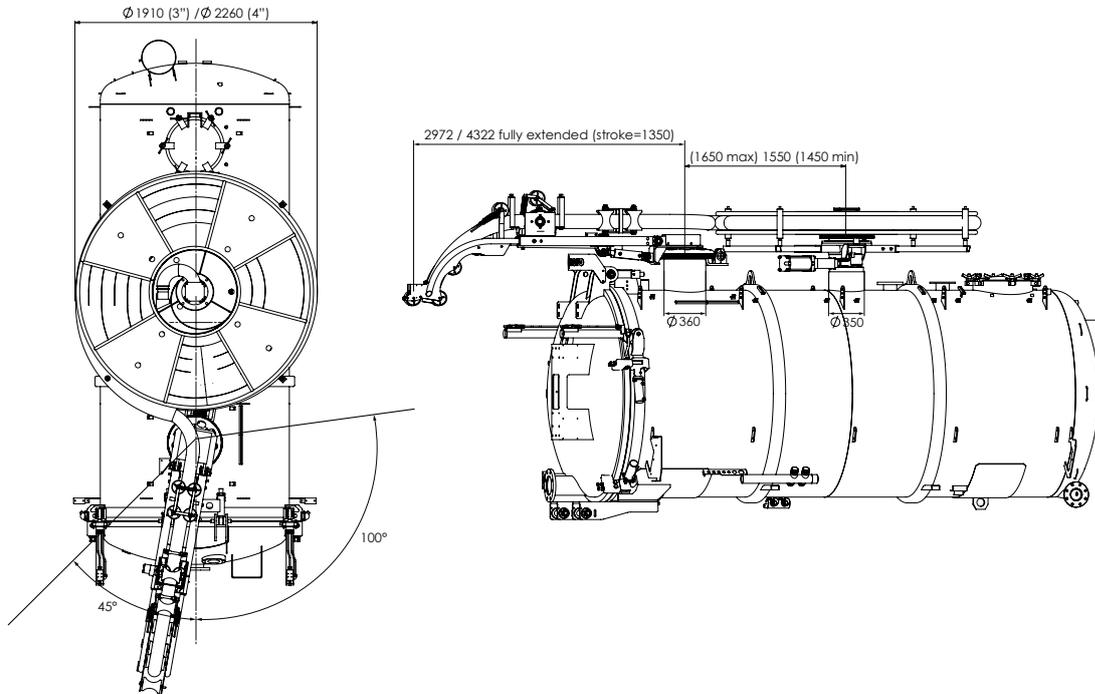
The suction hose reel is mounted on the top of the sludge tank and it is composed by two separate parts: a suction hose reel (1) and a hydraulic suction boom (2) in order to have the maximum flexibility during the loading operations.

The boom has an operating range of 145° and maximal horizontal reach of 4.320 mm. All swing, lift and telescopic movements are synchronized and made possible thanks to the hydraulic system. A hydraulic motor applied to the centre-plate controls the rotation of the reel and the boom while the lifting and the extension of the arm are made possible by hydraulic cylinders; the exit of the suction hose is driven and controlled by a hydraulic roller. The whole hydraulic movement plant of the suction hose reel relies on an accurate design and a detailed study of the ergonomics of each component to guarantee precision in the movements, speed of use and minimum operator fatigue. The strong structure of the arm is made to support the weight of the loaded material.

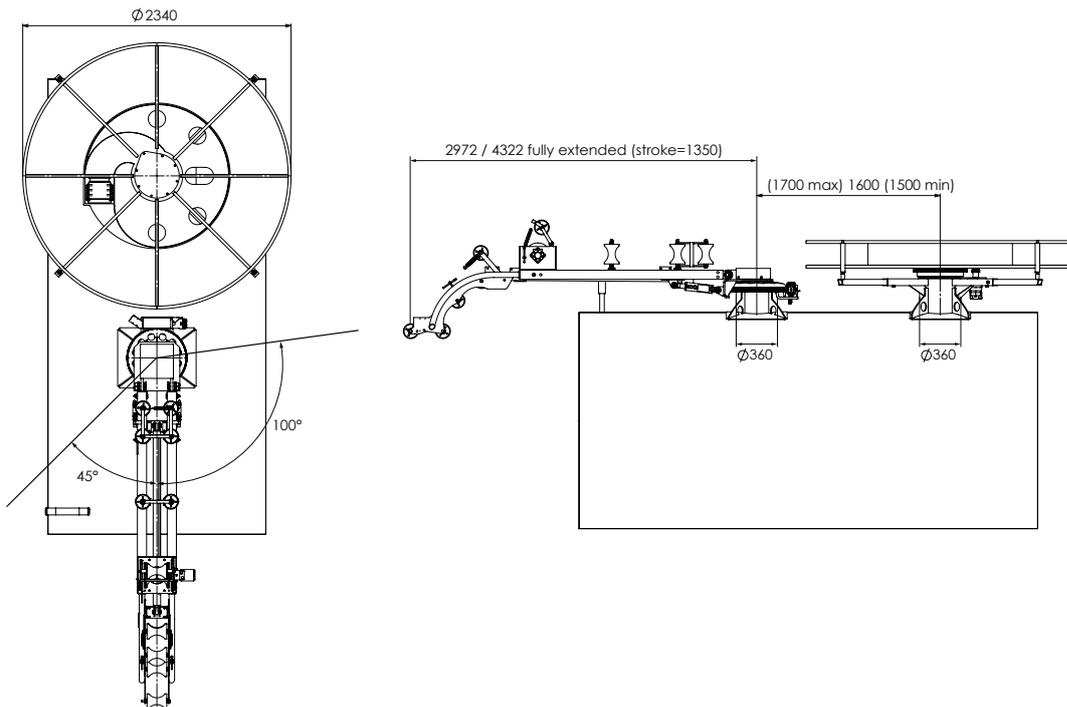
The 3" and 4" top hose roller is always made in Carbon Steel and Stainless Steel while the 6" version is made in Carbon Steel exclusively. The kit system is made for Carbon Steel or Stainless Steel tanks.

Dimensions

3" AND 4" SUCTION HOSE ROLLER SYSTEM



6" SUCTION HOSE ROLLER SYSTEM



Technical data

parameter	value
Hydraulic oil flowrate	25 l/min
Hose diameter / length	24 mt (3"-Ø80), 30 mt (4"-Ø100), 20 mt (6"-Ø150)
Weight	683 kg (3"), 740 kg (4"), 768 kg (6")
Minimum tank dimensions suggested	diameter Ø1600 - length 3000 mm

Main features

- 3"-Ø80 / 4"-Ø100 / 6"-Ø150hose (hose not included)
- Max hose length 24 m (3"-Ø80) / 30 m (4"-Ø100) / 20 M (6"-Ø150)
- 3"-Ø80 and 4"-Ø100 in Carbon Steel + Stainless Steel
- 6"-Ø150 in Carbon Steel

Versions

code	description
6.860001220-1	24 mt 3"-Ø80 capacity Stainless steel top roller suction hose system, with separate suction boom for carbon steel tank without hose
6.860001230-1	30 mt 4"-Ø100 capacity Stainless steel top roller suction hose system, with separate suction boom for carbon steel tank without hose
6.860001240-1	24 mt 3"-Ø80 capacity Stainless steel top roller suction hose system, with separate suction boom for Stainless steel tank without hose
6.860001250-1	30 mt 4"-Ø100 capacity Stainless steel top roller suction hose system, with separate suction boom for Stainless steel tank without hose
42721100041	20 mt 6"-Ø150 capacity Stainless steel top roller suction hose system, with separate suction boom for carbon steel tank without hose

Accessories

code	description	picture
42906600012 + 6.928039027-2 + 6.928037002-2	Pendant kit: Pendant for hose roller and boom movements control (1 pcs) + Female plug cover (2 pcs) + Female plug (2 pcs)	

■ Examples of application





MORO KAISER **COMPONENTS**

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