VIGAN Pneumatic Barge Unloader on fixed Gantry
Capacity up to 200 metric tons/hour (on wheat)

VIGAN capabilities include also complete turnkey projects
for port terminals including ship unloading & loading,
storage facilities and bagging operations.

Port Equipment - Ship Loaders / Unloaders
From initial project design to complete turnkey installations
with mechanical and/or pneumatic most reliable and profitable solutions.

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Offers agri-bulk Materials handling Solutions mainly:
- Portable grain pumps
- Pneumatic continuous barge unloaders
- Pneumatic continuous ship unloaders for vessels up to post-Panamax
- Mechanical continuous ship unloaders for vessels up to post-Panamax
- Mechanical loaders for any size of barges and ships

VIGAN pneumatic barge unloaders
from 160 to 600 tons/hour
Bulk handling of any kind of cereals, seeds, nuts, animal feedstuff, some delicate cargoes (malt rice, cocoa beans), and certain chemicals (urea). Density usually between 0.5 and 0.9. Other products can be discharged on demand (please send us a sample).

VIGAN Pneumatic Barge Unloaders are particularly well suited for the unloading of coastal vessels and/or barges with a width (beam) lower than about 15 to 20 meters.

Suction and gravity discharge into trucks or industrial plant conveyors.

Capacities: up to 600 metric tons per hour.

Key Features:
- Project management from A to Z, from design to manufacturing;
- Generally mounted on a fixed gantry, although mobile systems are possible;
- Simple and heavy-duty construction: high wear-resistant alloys for airlock, pipes, flexibles and elbows (in NiHard cast iron);
- Fully customized according to customer request and site specifications, easier and more compact solution than VIGAN «NIV» pneumatic ship unloaders, flexible design;
- Low energy consumption (0.6 Kw/h per ton unloaded), thanks to the direct drive of VIGAN high-pressure multi-stage centrifugal turbo blowers and frequency inverter;
- Self-cleaning filter by air compressor with jet pulse system. Up to 165m²;
- A boom up to 17-18 meters is usually sufficient to reach most of the hold openings area and to ensure efficient operations;
- Hydraulic lifting of the boom optional;
- Remote control of all movements of the boom and the telescopic pipes;
- Complete range of safety devices: complete access by stairs for operators (standardized on our machines), lighting for night work, anti-explosion devices (ATEX zones)…
- Well adapted to urban areas thanks to low dust and noise emissions.

Optional devices:
- Operator’s cabin;
- Winch for lifting a bulldozer;
- Noise insulation (cabin, nozzle, pipes, HMI,…)
- PLC Siemens program;
- PLC Siemens program;
- VIGAN airlocks
- VIGAN multi-stage turbo-blowers
- VIGAN elbows
- Acoustic insulation of filter, tower, piping, suction nozzle
- Winch for lifting a bulldozer (up to 6T)

Examples of optional devices:

Pneumatic Barge Unloader of 300 tph
Mounted on a mobile tractable gantry

Fully Customized Equipment

Amirabad - Iran
Pneumatic Barge Unloader of 300 tph
Mounted on a mobile tractable gantry

ANTWERP - Belgium
VIGAN pneumatic barge unloader - Principle of operation

OAHKA - Bangladesh
Examples of optional devices

BATANGAS - Philippines

SETE - France

RELIABILITY AND EFFICIENCY