

EMSIPLUS

Fluids master knowledge



Pipe pigging equipments

This technique consists in emptying the totality of the product contained in a pipe at the end of the transfer by pushing a mobile body propelled by a liquid or a gas.

With this technology the product or the production is entirely recovered and the quantities of cleaning, their regeneration or destruction are significantly reduced.

Operation can be manual or completely automated.



Application fields

Paints
Glues
Chemistry
Oils
Petrochemistry
Cosmetics
Perfumery
Circulating
Food industry

for pipes

Pipe pigging equipments



Pipe pigging components

Launching station

Equipment where the pig during the phase of product transfer is stationed before pigging.

Receiving station

Equipment where the pig arrives in end of pipe at the end of the pigging phase.

Intermediate station

Equipment laid out on the pipe allowing the introduction or the evacuation of the product for isolated tanks.

Introduction station

Equipment allowing to introduce and extract the pig in a faster and safety way for the operators during the change of the joints.

Clarinet

Compact equipment rounding up at the same place several products entries or exits.

3-way valve

With 2 or 3 positions version, allows to connect several pipes and to isolate them during products pigging and transfer phases.

Pigging valve

Ball valve having the same inside diameter as that the pipe.

Pig

Sliding equipment, propelled by a gas or a liquid inside the pipe, made up of 3 parts rigid body with magnetic core for detection and flexible gaskets.

Some figures

- Pig material is adapted to the transferred fluid: PTFE or PP body and EPDM or NITRILE or VITON or Polyurethane or silicone gaskets.
- The pigging speed varies from 2 to 3 m/s.
- Pig transfer pressure is from 2 to 3 bar.
- The pig life depends completely on the nature of the pipe and the product, can reach 2.000 cycles and 100 km for 4 to 12 months of use.



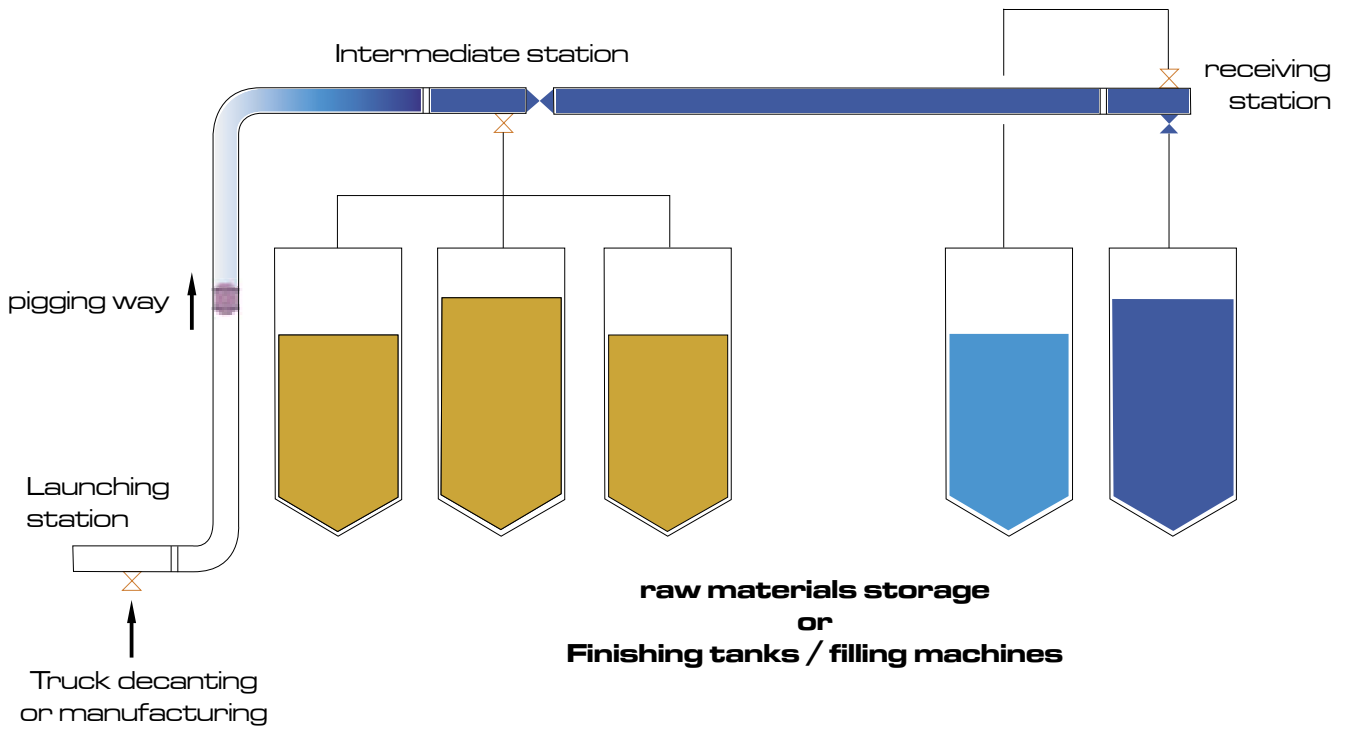
Assembly

A note of welding and assembly of pigging pipe can be provided with each order.

An orbital welding device can be placed at the disposal in hiring during the pipe pigging assembly.

Pipe pigging system working with 1 pig

The pigging is only done in one direction, either to completely empty a tank, or for the return of the product in the initial tank after proportioning.

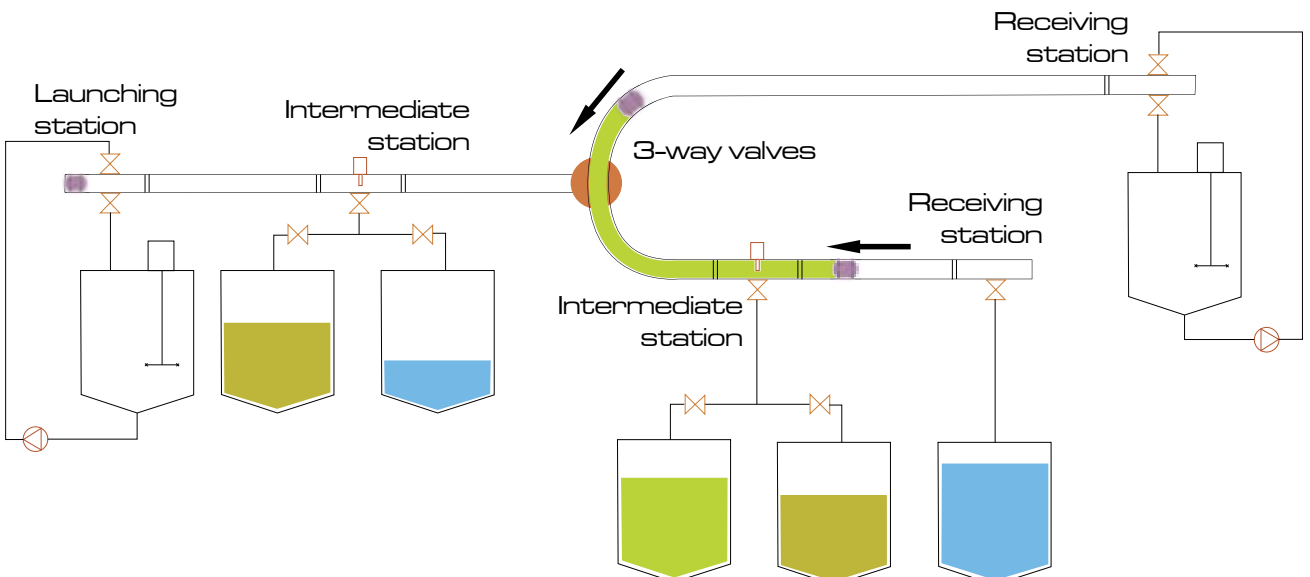


Pipe pigging system working with 2 pigs

The design of a pigging pipe equipped with two pigs allows a bi-directional pigging and thus offers a great flexibility of use.

It is also possible to transfer foaming products between two pigs to avoid a contact with the air:

A cleaning liquid can be introduced between the two pigs during the pigging phase.



EMSIPLUS Guarantees

For all the applications of pigging

Quality of the finishing touches
Reliability
Maintenance
Assembly easy
Studies of equipments
over
standard



23 rue Aristide Briand

90300 OFFEMONT (France)

Tél. : +33 (0)3.84.58.54.03 | Fax : +33 (0)3.84.58.54.18

contact@emsiplus.com | www.emsiplus.com

for pipes
Pipe pig