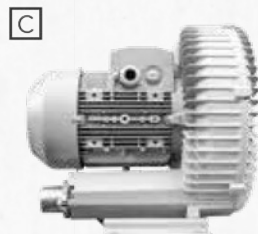
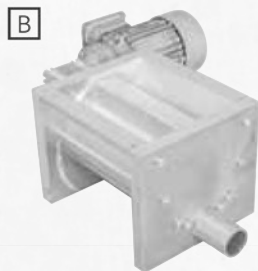
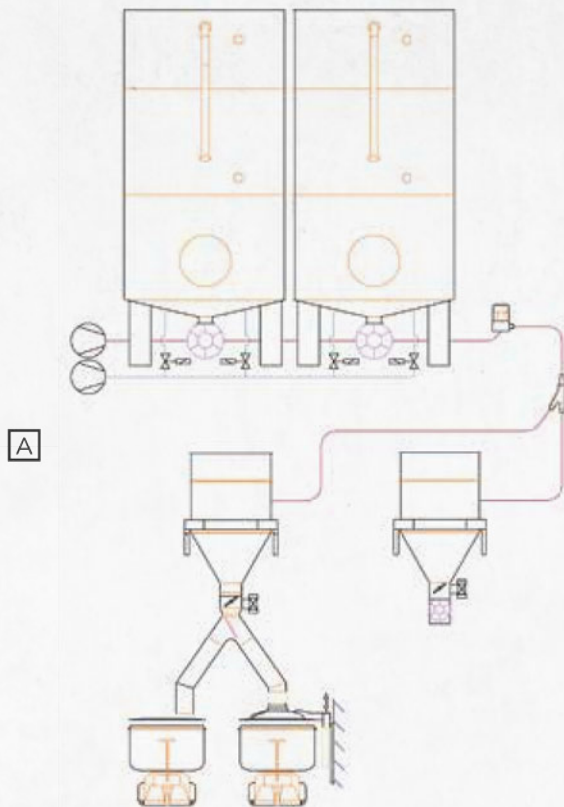


Pneumatic conveying system PFL

Pressure or vacuum pneumatic



Basic technical information

Conveying material: bulk - powder, crystalline, grainy
Conveying capacity: 0.5 - 10 to/h
Piping material: aluminium or stainless steel
Piping length total: up to 100 m
Components: rotary valves
 inline sifting machines
 pressure regulators
 free-blowing/suction device
 two-way pipe diverters
 blowers
 shut-off valves

Dimensioning:

Based on the required conveying capacity and the layout planning, the needed component are chosen and dimensioned according to the calculations.

Pressure- oder Vacuum-pneumatic system:

HB-Technik customizes the conveying system to your needs individually and chooses the best option for your application.

Intended use

Pneumatic transport unit for powdery, crystalline or grainy bulk goods. Capacity according to requirements from 0.5 - 10 to/h. For residue-free, hygienic raw material transport from silos, big bags, bag dumping stations, ingredient dispensers etc. to weighing hoppers or other target points.

General function

The blow-through rotary valve (B) doses the raw material to the transport pipeline (F). There, the transported goods get caught by the air stream and are blown or sucked to the receiving point. Depending on the transport pipeline length and the number of pipe bends and rotary valves (B), the transport blower (C) is selected. The control provides pre-threshold point calculation and regulation for a completely empty piping.

Construction

For non-abrasive transport materials, the transport line is constructed in aluminium. For abrasive transport materials (e.g. sugar, salt, ...), the transport lines and product contacting parts must be constructed in stainless steel.

Pos.	Description
A	Product is pneumatic. conveyed to target by pressure
B	Rotary valve
C	Blower
D	Two-way valve/two-way pipe diverter
E	Inline pipe sifting machine
F	Pipeline