



Saint Gobain Group - mixed glass powders pneumatic conveying



Villeroy & Boch - ceramic powder pneumatic conveying



Levissima, Gruppo Nestlè - PET pneumatic conveying

Conventional TPA: 110/01/11

Full pipeline TPA: 101/01/11

Continuous full pipeline TPA: 102/01/11

Available from

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Innovative solutions
for bulk materials
handling

TPA LINE



*also available for
high temperatures*

Advanced solutions for long and complex transports

**Abrasive
materials**

**Fragile
materials**

Efficiency

**Flexibility of
application**



The TPA line is suitable for transports of more than 500 meter length or with fragile and difficult products and with a capacity higher than 100 tons/h.

Thanks to the presence of advanced electronic components, the TPA line enables more flexible application and a better control of the transport cycle. It is designed to guarantee the integrity of the granular and powdery materials during transport. It is also designed to ensure a high level of the system's efficiency.

TPA vessels are certified according to PED (European Pressure Equipment Directive), are available in carbon steel, AISI 304, AISI 316, for high temperatures up to 250° and for ATEX 21 and ATEX 22 settings.

How the system works

Air-Tec system's technology allows the movement of powders and granules inside of a pipeline. The system is completely closed with a few moving parts and it distinguishes itself by high internal cleaning and reduced maintenance costs.

TPA vessels are available in three types depending on the chosen **system of transport**:

Conventional

The line of transport is emptied after each loading. TPAconventional transporters are suitable for moving fragile materials.

Full pipeline

The transport happens with a full pipe. This permits air and energy saving compared with the conventional method.

TPA full pipeline transporters are used to move fragile and abrasive materials.

Full pipeline continuous

The use of two TPA full pipeline transporters connected between them renders possible a constant trajectory of the material inside of the pipe reducing the system's loading time.

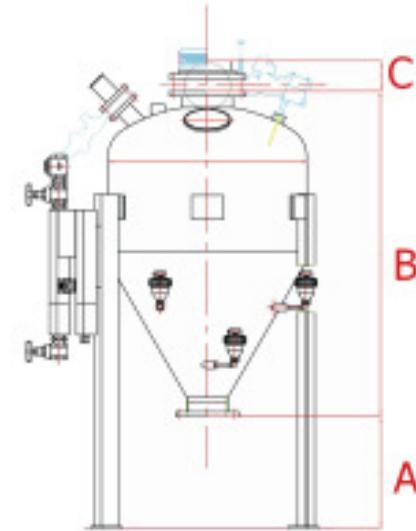
The air intake, through appropriate boosters, ensures the **complete control of the material**, which is essential in the case of fragile goods.

The **low velocity** preserves the quality of the transported material but also the condition of the pipeline.

The system uses a **reduced quantity of air** with a resulting energy saving.

Values are indicative and can vary depending on material and distance.

Dimensions



Type	Capacity (liters)	Weight (kg)	Diameter (mm)	Inlet valve (ø)	Outlet valve (ø)	number of jets	A (mm)	B (mm)	C (mm)
8 TPA 30 S	85	124	762	200	100	3	390	975	160
8 TPA 30 S	142	145	762	200	100	3	390	1105	160
8 TPA 100	283	186	762	200	150	3	475	1235	160
10 TPA 200	566	351	1067	250	150	4	514	1462	160
10 TPA 300	850	417	1067	250	200	4	600	1745	160
12 TPA 400	1133	515	1220	300	200	5	600	1931	230
12 TPA 500	1416	560	1220	300	250	5	700	2067	230
12 TPA 600	1699	602	1220	300	250	5	700	2217	230
12 TPA 700	1982	646	1220	300	250	5	650	2342	230
12 TPA 800	2265	694	1220	300	250	5	650	2517	230
12 TPA 900	2549	730	1220	300	250	5	774	2660	230
16 TPA 1000	2832	876	1220	400	300	5	774	2750	254
16 TPA 1500	4248	1247	1524	400	300	7	875	3505	254

360° rotating outlet
Noise level less than 70 dBA

Fluidising jet
Internal painting

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