

AZO screener type TW 650 for safety screening in pneumatic conveying

Control screening

Safety screening

Fractioning

**Separation of
foreign particles**

Breaking of lumps

**Aeration of
products**

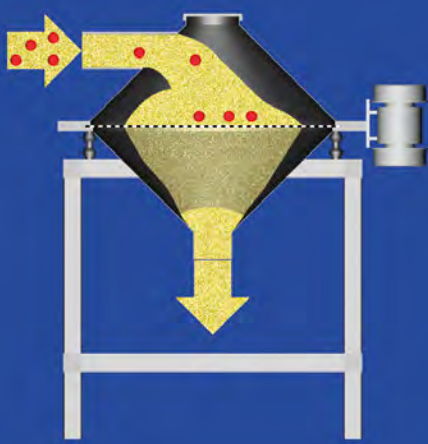
Preferred application

The TW 650-type screener is highly suited for safety screening in closed pneumatic conveying streams. One typical application: between tanker and storage silo, to avoid contaminants (like residual bits of packaging) or lumps, etc., entering the silo.

Special advantages

- No coarse particles enter the silos or production
- Sturdy construction of chrome nickel steel design
- Simple construction, without mechanical parts moving in the product
- Easy inspection and cleaning thanks to quick-release clamps
- Can quickly be integrated into the system- and removed from it- via snap-lock couplings and clamping devices
- Rollers allow easy positioning
- Installed ready-to-operate
- Suitable for both vacuum and pressure conveying systems

THE INNOVATION



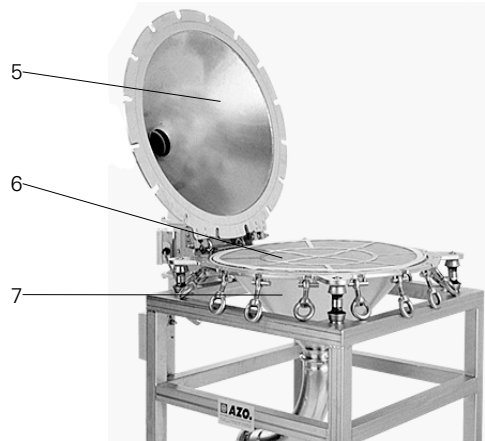
How it works

Using snap-lock couplings, the TW 650 screener is linked between the tanker and the silo to be filled. When used after a product pick-up station, the inlet of the unit is connected to the feed hopper, its outlet linked to the downstream conveying system. By switching-in the pressure generator, the product is pneumatically conveyed through

the built-in screen. Any contaminants larger than the mesh size are kept back in the process. A unbalanced-vibrator prevents mesh clogging during screening. After the actual conveying, the process continues without product for about one minute in order to empty the screener completely. Then the quick-release clamps can be

opened, the screener inspected, and the contaminants removed. This done, the screener is ready for the next screening process.

Equipment



- 1 Upper part of screen housing
- 2 Unbalanced-vibrator
- 3 Roller base
- 4 Connection spigot for conveying line to silo
- 5 Upper part of screen housing
- 6 Screen
- 7 Lower part of screen housing
- 8 Motor circuit-breaker (not shown)
- 9 Connecting cable with plug (not shown)
- 10 Earthing cable with ground clamp (not shown)

Technical data

Screen diameter:	650 mm
Strainer screen:	Nickel chromium steel
Inflow connection:	Elaflex 4" (opt. Storz 4")
Outflow connection:	Elaflex 4" (opt. Storz 4")
Adapter coupling:	To 3" possible
Throughput (mesh size 5.0 mm):	
Wire mesh:	15-20 tonnes/h
Perforated plate:	10-15 tonnes/h
	The data are based on wheat flour with a bulk weight of 0.5 kg/l.
Accessories:	Magnetic separator (as option)
Operating temperature:	Max. 50° C (122° F)
Operating pressure:	Max. 2 bar
Weight:	approx. 150 kg (330 lbs.)
Noise level:	< 70 dB (A)
Protection:	IP 65
Operating voltage:	400 V, 50 Hz
Connected load:	0.4 KW

