



Trouble free, safe and clean transfer of process powders

Economical compared with other complex powder systems

Convenient and safer than manual powder handling

Reduced contamination

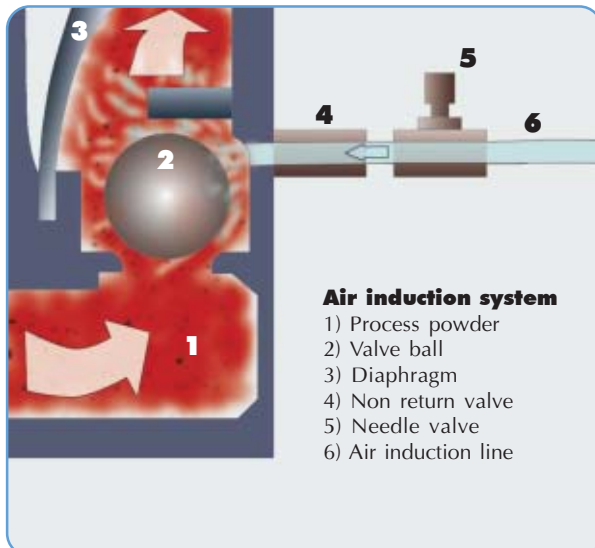
The powder is transferred in a hermetic system from the powder container to your process.

Economical and compact solution

The Tapflo powder transfer pump can do the same job as many complex and large powder systems. The compact design also makes the unit portable.

What kind of powders?

The powder transfer pump will handle different types of process powders, with specific weight from 80 up to 720 kg/m³ dry weight. Generally, if the powder does not clump together when you squeeze it in your hand, the Tapflo powder transfer pump can be used successfully. A few examples of common powders are sintering powder, carbon black, resins and silicones.



No start up problems

The air induction system eliminates powder pack up problems when starting the pump. Air is induced to the powder side of the pump for diffusion of the powder. The induction flow can manually be adjusted by means of a needle valve to obtain a optimum performance.



Tapflo powder transfer technology

How it works

The powder transfer pump is based on a standard Tapflo air operated diaphragm pump. The powder is transferred by means of two diaphragms, which alternately prime the powder from the container in the first cycle and discharge to the process in the second cycle.

Capacity

The capacity of the powder transfer is extremely different from one powder to another, depending on the consistency and weight etc. For more specific information about the capacity in your application, please contact your local Tapflo distributor, or fill out the inquiry form on our website www.tapflo.com.

Safe in EX-zones

The powder transfer pumps are ATEX marked, allowing use in explosion hazardous zones (group IIG/IID, category 2).

Available models - data

The powder transfer pumps are modified from the standard PTFE coated aluminium series. The PTFE coating enables an efficient transfer through the pump, with least possible resistance.

Model	TXP220 XEES	TXP420 XEES
In/outlet connections	1 1/2" BSP threads (NPT upon request)	2" BSP threads (NPT upon request)
Features	Complete air induction system included	
Explosion protection	ATEX marked according to group IIG (gas) / IID (dust), category 2	
Housing material	PTFE coated aluminium	
Diaphragm material	EPDM (NBR or PTFE upon request)	
Valve material	EPDM (NBR, PTFE, AISI 316 or PU upon request)	
In/outlet material	Stainless steel AISI 316	