

AZO®MIXOMAT scale with AZODOS® continuous provision of pre-mixes for extrusion systems

Four Functions – one system

Easy expansion for
more raw material
components

Weighing of all
components

Quick cleaning
due to large door

Compact
construction

The task

- Quality improvement due to continuous feeding of extrusion systems with powdery, homogeneously mixed pre-mixes
- Space-saving, compact system for conveying, weighing, mixing and dosing directly above the extruder
- High repeatability and exact recording of all components

The solution

The MIXOMAT scale is an economical solution for weighing and mixing directly above the extruder. The mixer itself, supplemented by a weighing device and a filter with compressed air purging, functions as the conveying scale. In collective feeding systems, the MIXOMAT scale can be used with an angle-valve, primary filter and a shared secondary filter. Thus only one underpressure generator is needed. A negative pressure is generated in the MIXOMAT which reaches

the product intake stations and the components are sucked into the mixer. Here they are weighed exactly.

After the mixing the homogeneously weighed batch is transferred to the AZODOS® unit, which works gravimetrically according to the loss-in-weight principle. Through a reference variable specified by the subsequent extrusion process, the throughput rate is adapted to the subsequent process by adjustment of the screw speed.

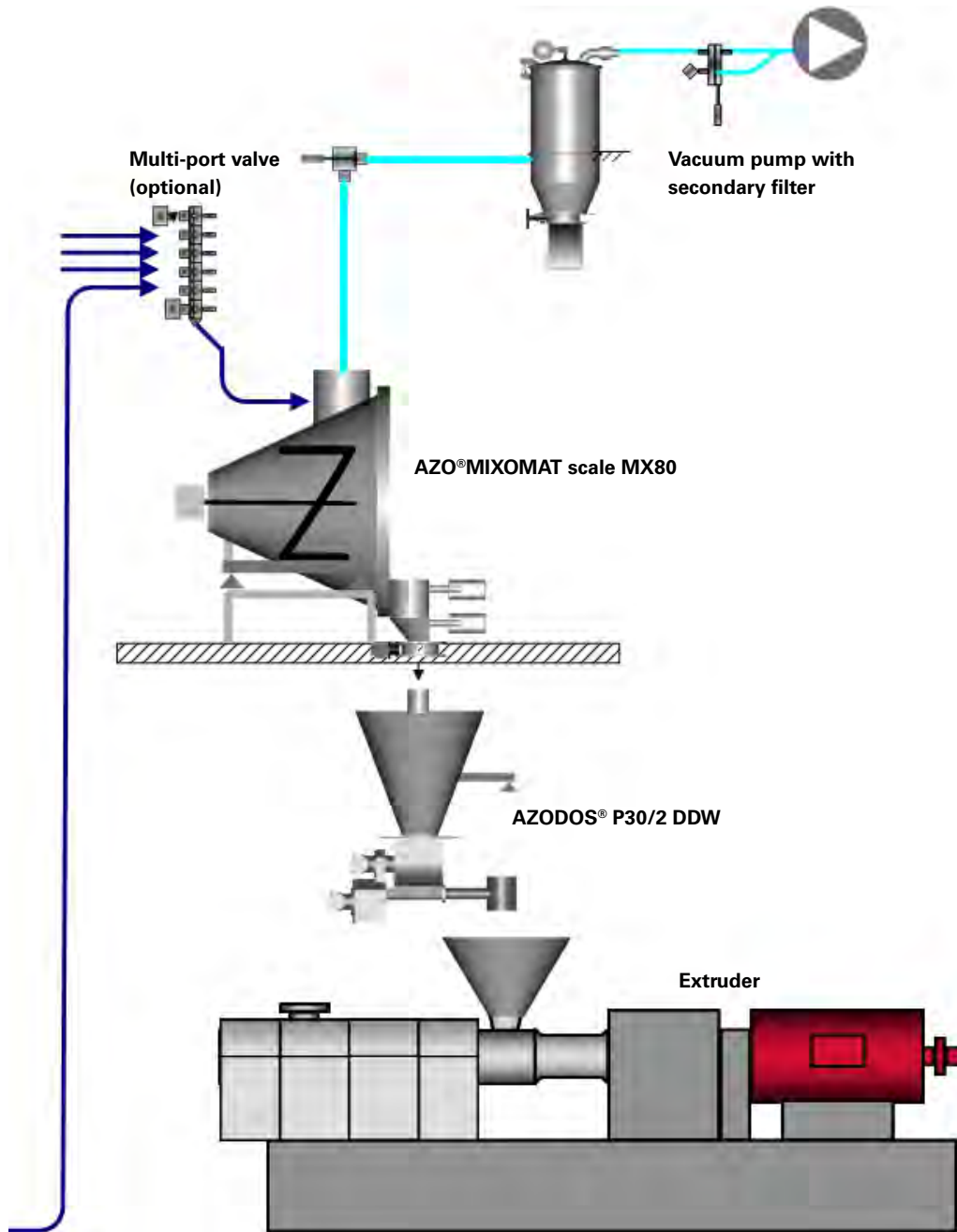
SYSTEMS



Special advantages

- Conveying, weighing, mixing and dosing in one compact, economical system
- Simple supply of up to 30 components via multi-port valve
- High repeatability due to accurate weighing and recording of all components
- Rapid material change and easy cleaning
- Precise throughput registration for each processing machine
- High dosing accuracy
- Precise online control and quick correction in the event of deviation from nominal value
- Compact, pre-assembled modules for rapid startup and simple expansion

System



Technical Data

AZO®MIXOMAT

Throughput rate up to 30kg or 60l per batch
10 fillings / h

Noise level: < 75dB (A)

AZODOS®

Throughput rate up to 90kg / h
(product-dependent)

Noise level: < 70dB (A)

By choosing corresponding sizes
throughput ra