



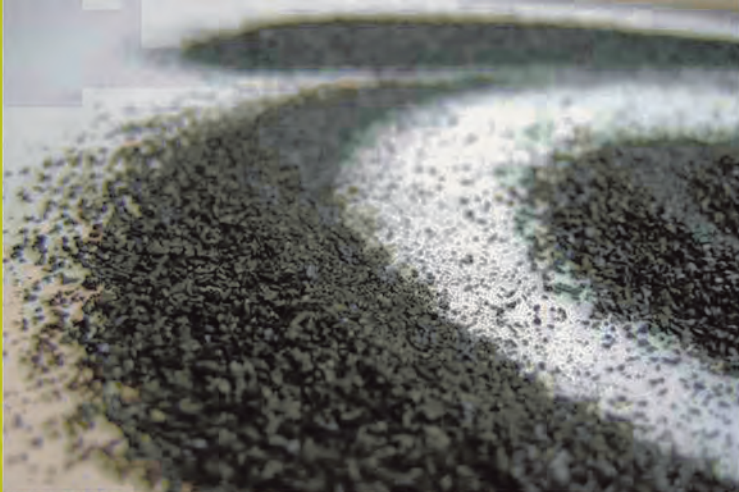


# METERING SYSTEMS

-  LIQUIDS
-  GRANULE
-  POWDER  
PIGMENTS
-  ADDITIVES





## NEW FEATURES



▲ Powder Metering System FLEX 70 for 4 colors

**Proven Powder Metering System FLEX**  
**Pneumatic conveying of dry pigment directly**  
**into the concrete mixer. Flexible use of pow-**  
**der pigment, compact pigment or granules.**

- Accurate and fast metering with special screw conveyors
- Coarse and fine metering of pigment for precision
- Clean dust free delivery into the mixer with dust filter
- Dust filter with automatic cleaning reverse air shock
- For Big-Bags or paper bags (25 kg/55 lbs)
- Fully automatic dosing process
- Distribution to two or more mixers
- Additional position for special colors
- Remote positioning of the system at ground level
- Unlimited number of color shades possible
- System completely factory preassembled





**Dry/wet system to slurrify powder pigment and water one batch at a time. The slurry is then pumped directly into the concrete mixer.**

- System can operate with up to 6 powder pigments
- Dust free delivery of the slurry into the mixer without dust filter
- The system can be placed up to 100 m from the concrete mixer
- Unlimited storage of dry powder, no liquid pigment stored, therefore no need for agitation or circulation
- The pigment slurry can be pumped to holding hoppers for stand-by until the mixer calls for discharge
- Automatic rinsing after each cycle
- For Big-Bags or paper bags (25 kg/55 lbs)
- Fully automatic dosing process
- Coarse and fine metering of pigment
- Distribution to 2 or more mixers
- Stainless steel weigh hopper
- Accurate and fast metering
- Unlimited number of color shades possible



▲ Dry/Wet Metering System TFW 90 for 4 colors

▼ Dry/Wet system TFW 100 with diverter in 2 mixers and level probe



▲ Weigher PW 25, screw conveyors MD 100, hopper sizes 200 l

**Basic dry powder system for gravity discharge into concrete mixer, skip hoist or on conveyor belt.**

- Weighing system for powder or granule pigments
- Gravity discharge via pneumatic flap or squeeze valve
- For Big-Bags or paper bags (25 kg/55 lbs)
- Stainless steel weigh hopper 1, 5, 10, 25, 50, 100 kg
- Hopper sizes are 100, 200, 500 litres
- High metering accuracy
- Basic system or add on for special colors
- Pneumatic operated option available for dust-free discharge of paper bags



▲ CSR 20-2 for 2 colors



# MDI Mixing Tanks

Mixing Tanks for Microsilica and Color Slurry.



Mixing Tank MDI 1000 capacity 1000 l, with pneum. bag (25 kg) emptying device and pneum. diaphragm pump



- Mixing Tanks MDI are suitable for the production of iron oxide based pigment color slurry and microsilica slurry
- Powerful stainless steel agitator
- Automatic water meter
- Pneumatic diaphragm pump or peristaltic pump
- Stainless steel tank on request
- For Big-Bags or paper bags (25 kg/55 lbs.)
- Pneumatic operated device for dust-free discharge of paper bags

Mixing Tank MDI 3000 capacity 3000 l, with inlet for Big-Bag filling, and metering cylinder for additional chemical additive



Mixing Tank MDI 8000 capacity 8000 l for iron oxide color slurry



# AHM Mixing Tanks on load cells



▲ Weighing and Mixing Station AHM 2020 capacity 2000 l, mixing tank on 3 load cells, for weighing different components, e.g. anhydrite, water, additives





**Pneumatic conveying of granule and compact pigment directly into concrete mixer or into filter cyclones.**

- Clean dust-free processing for both C-Pigment and G-Granule
- Short cycle time, up to 1 kg/sec (2.2 lbs/s) metering speed
- Separate conveying vessels for each mixer with COM 70-3
- Up to 3 preweighed batches can be held – ideal for “Colormix” paver production

- Filter cyclone above mixer, also as scale CF 40 S
- Rugged industrial steel support frame
- Coarse/fine metering with superfine option for extreme accuracy
- Low profile design with COM 30
- Fast pneumatic conveying
- Accurate electronic weighing
- Unlimited number of color shades possible
- Comprehensive customer support
- Modular design-configured to meet all plant requirements



▲ COM 70-3 Granule metering system with three conveying vessels for 6 colors in 3 mixers with one electronic weigh hopper



▲ COM 70-1 Granule metering system with separate pressure pod used as holding vessel



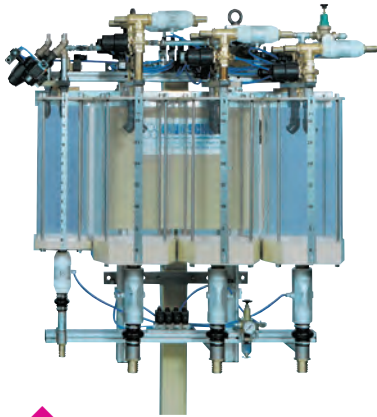
▲ COM 70-3 metering system with 1, 2 or 3 conveying vessels each for one mixer or to hold three preweighed color batches



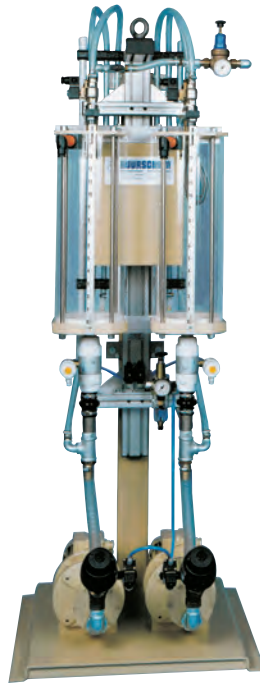
▲ CF 40-S filter cyclone with electronic load cell and easy to clean filter element



# KFW . ES Electronic Liquid Weighers



▲ KFW 12,5/25/25/25  
Weigher with 1 cylinder 15 l  
for additive and three  
cylinders 30 l for color slurry



▶ KFW 5/5  
Weigher with 2 cylinders,  
discharge pumps and  
frame with floor plate



▶ Stainless-steel liquid weigher in protective  
cabinet with two 15 l cylinders for gravity  
discharge

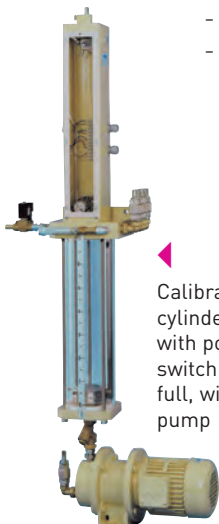
**The weigher can be used for chemical additives, concrete admixtures and color slurry.**

- Weigher with acryl glass cylinders or stainless steel hoppers
- Ready for operation with max. 6 cylinders in different sizes
- Cylinder sizes: 5 - 15 - 30 - 50 - 100 litres
- Separate rinsing valve for each cylinder
- Dosing accuracy  $\pm 0,1 \%$  max. weight
- Pump or gravity discharge



# DZ Volumetric Metering Cylinders for Admixtures

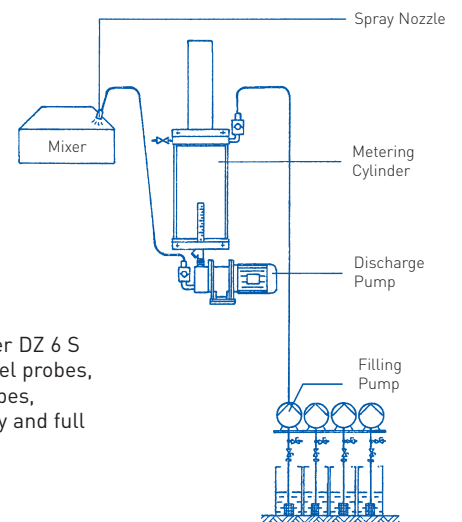
- Cylinder sizes: 3 - 6 - 12 - 25 - 40 - 60 litres
- Cylinders are made of acryl glass, with rinsing valve
- Calibratable version available



▶ Calibratable Metering  
cylinder DZ 6 P  
with potentiometer, limit  
switch for empty and  
full, with discharge  
pump



▶ Metering cylinder DZ 6 S  
with variable level probes,  
max. 4 level probes,  
probes for empty and full





**The weigher can be used for chemical additives, concrete admixtures and color slurry.**

- Acryl glass weighing cylinders for visual control
- Optional stainless steel cylinders are resistant to aggressive chemical admixtures
- Pump or gravity discharge
- Range of cylinder sizes: 5 - 15 - 30 - 50 - 100 litres
- Separate rinsing valve for each cylinder
- Dosing accuracy  $\pm 0,1$  % max. weight
- Easy calibrating with platform for weights
- Weigher is not sensitive to vibrations
- Limit switch for overfill protection
- Distribution in 2 or more mixers
- Air injection into discharge line for complete clean out



AC 5/5/15/15 weigher in protective cabinet, gravity discharge for 8 additives in 4 cylinders

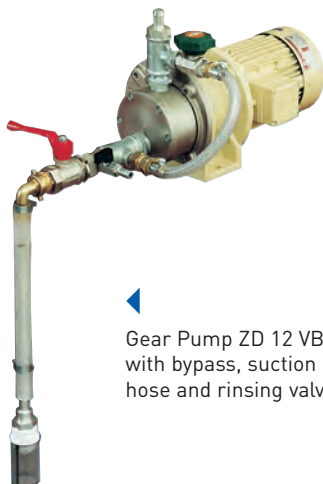


Weigher AC 15/15 in protective cabinet with 2 cylinders 15 l and gravity discharge

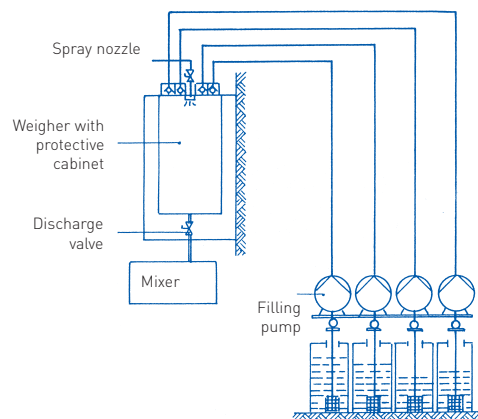
## Gear Pumps for Chemical Additives **ZD**



- Capacity 3-360 l/min
- Self-priming 2-3 m, pump head max. 50 m
- Can be used as filling or discharge pump



Gear Pump ZD 12 VBy with bypass, suction hose and rinsing valve







Since 1961 we develop and manufacture a wide range of metering systems and filling machines.

In 1998 we set up a quality management system according to ISO 9001, so we can offer you high quality products and service in the future.



## OUR PRODUCT LINE

- Powder dosing systems
- Granule dosing systems
- Liquid weighers
- Metering cylinders
- Gear pumps
- Diaphragm pumps
- Mixing tanks
- Big-Bag stations
- Piston dosing machines
- Filling machines
- Portioning machines
- Capping machines
- Filling lines

Our machines are used for many years in the following industries:  
Concrete industry, Chemical industry, Pharma, Cosmetics, Food, Paint.

We export directly to 40 countries worldwide and have representatives in the following countries: United States, Great Britain, Italy, Australia, Denmark, Finland, Netherlands, Spain, France, Russia, Poland, Romania, Brazil, Switzerland, South Africa, United Arab Emirates and Thailand.

## OUR ADVANTAGES

- High-quality materials and components
- Customized solutions
- Economical equipment prices
- Simple reliable operation
- Long product life
- Accurate electronic weighing
- Local service and spare parts

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