

MVS - Coater

ADDING LIQUIDS AND POWDERS TO PELLETS
EXCELLENT DISPERSION - PRECISE DOSING

FAT - TALLOW

SOYA OIL

ENZYMES

PROBIOTICS

AROMA

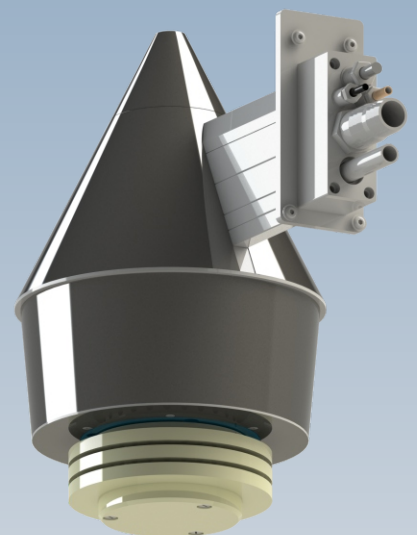
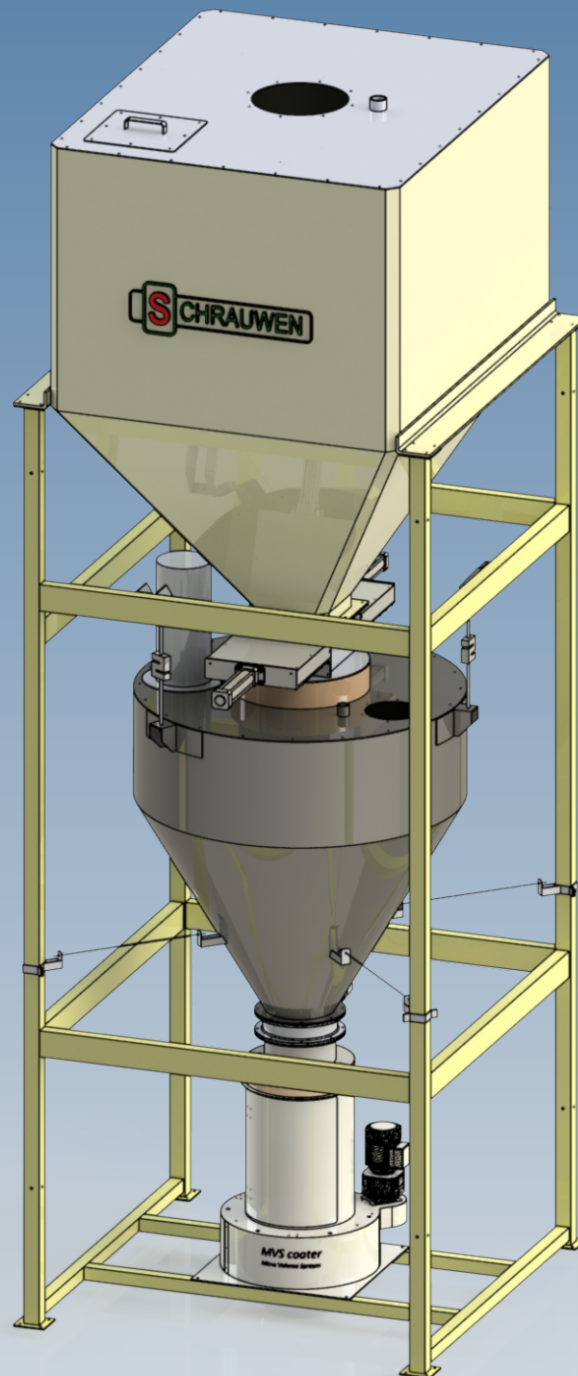
FEED

FOOD

RAW MATERIAL

FERTILIZER

CHEMISTRY



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www.mvs-coater.be

Masters of liquidsystems since 1983

MICRO VOLUME SPRAYER

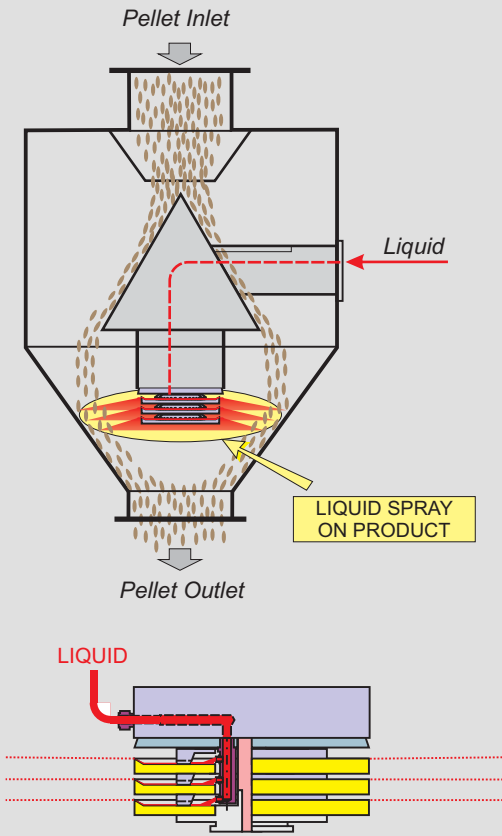
CONTROLLED DROPLET (C.D.A) SPRAY-TECHNOLOGY

Coating system for pellets and crumbs.

The unique feature of the Micro Volume Sprayer is the control of the droplet size of the sprayed liquid. This is achieved by putting the liquid on a rapidly rotating disk, and create droplets by means of centrifugal forces to atomize. The advantage of this technique is that all the droplets are of equal size. The importance of this is easy to understand when realizing that a droplet with a 10-fold diameter have the 1000-fold volume. Through the appropriate diameter and rotation speed of the disc, droplets are generated big enough not to drift away and small enough to obtain a maximize dispersion. **1 ML LIQUID = 2.000.000 DROPLETS.**

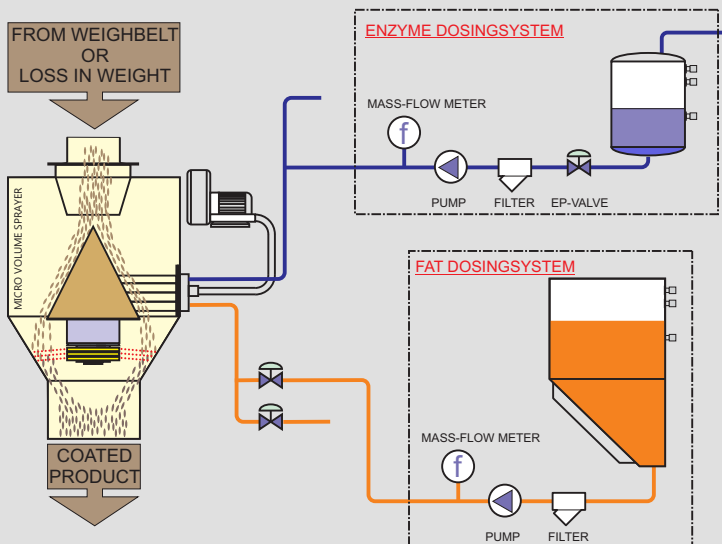
The spray system consists of three spray discs, one above the other, mounted under a conical cap. This assembly is placed in a downstream of pellets, the pellets slide over the cone and form a hollow cylindrical curtain. Within this curtain, the liquid droplets are projected onto the pellets. Due to this arrangement, the liquid is sprayed over a very large granule surface and a very homogeneous distribution of the liquid over the pellets is obtained.

Addition of powders : The powders are mixed into a liquid to get a suspension which can be sprayer in the same way as a liquid, discribed above.



LIQUID DOSING

Gravimetric liquid dosing with pump en massflow meter

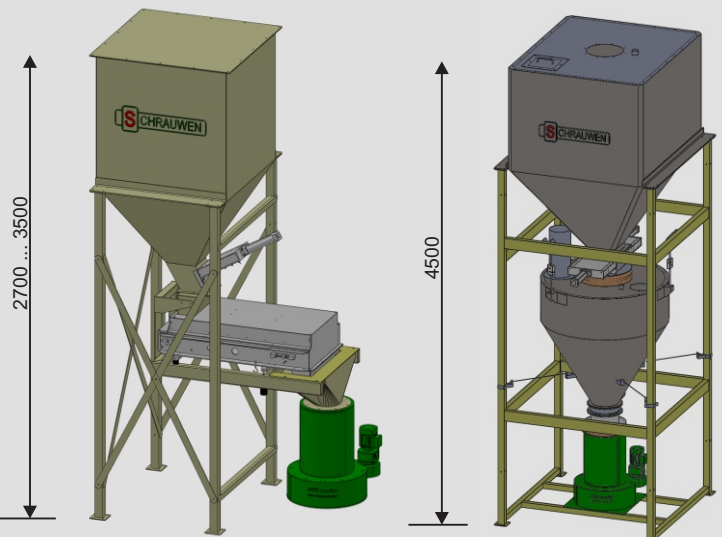


PELLET FLOW CONTROL

Dynamic pelletflow measurement with :

Weighing belt

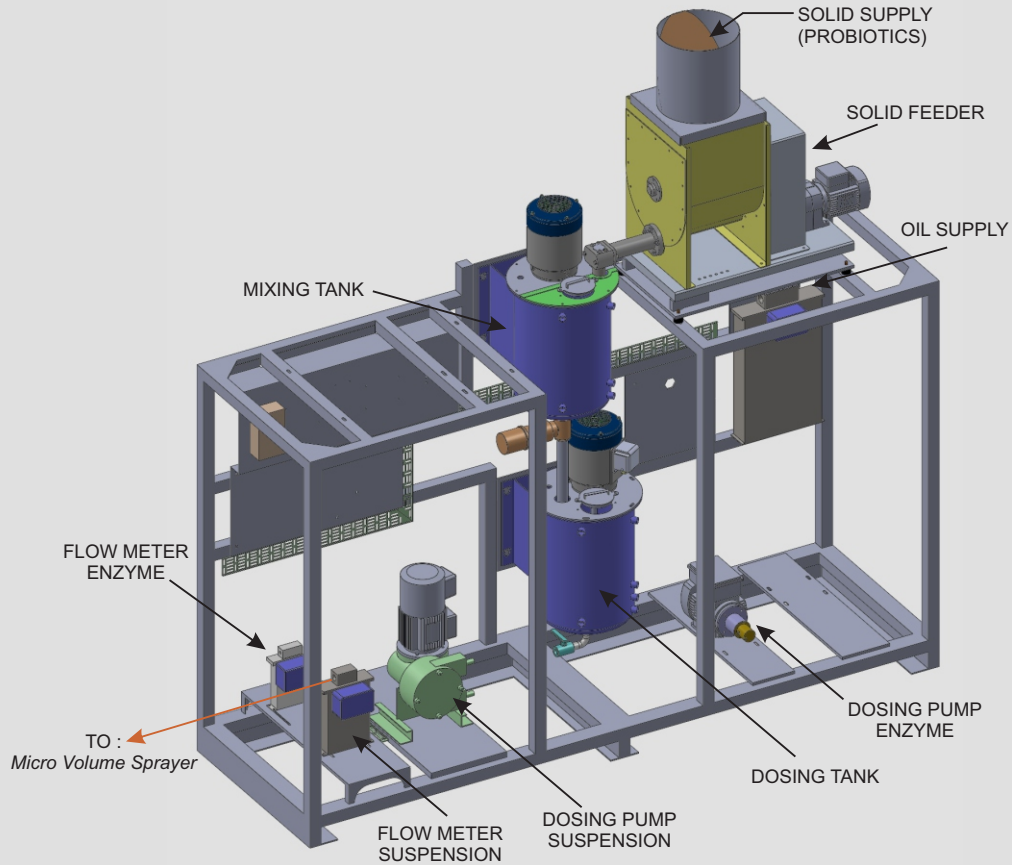
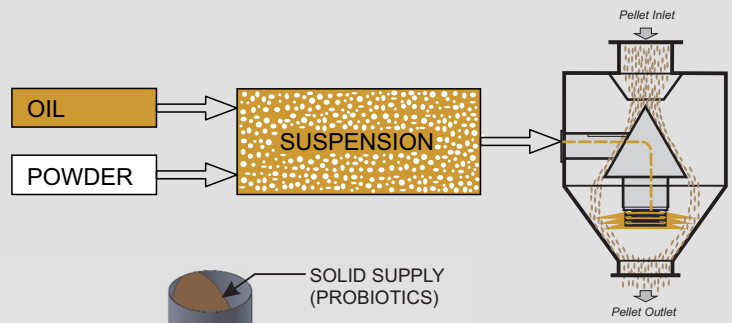
Loss in weight (Weighing silo)



TOP COATING WITH POWDERS

PROBIOTICS

MIXING/DOSING SYSTEM TO BRING OIL AND POWDER INTO SUSPENSION TO TOP-COAT IT ON PELLETS.



THE BENEFITS

EXCELLENT DISPERSION OF THE LIQUID ONTO THE PELLETS : Thanks to this unique spray system with three spray discs, one above the other, a very homogeneous distribution of the liquid on the pellets is obtained, even with very small quantities with pure liquid (no dilution with water). Spray pattern is independent of the liquid flow rate.

PRECISE DOSING OF THE LIQUID : With the aid of a weighing belt or loss-in-weight feeder, to measure the pellet capacity, and a mass flow meter for measuring the liquid flow, a very precise liquid addition is obtained.

EASY TO BUILD IN EXISTING FEEDMILL ENGINEERING - NO DAMAGE ON THE PELLETS - RELIABLE - PROVEN QUALITY - STAND ALONE AND LINK TO FEEDMILL CONTROL SYSTEMS - EASY TO CLEAN - LOW MAINTENANCE COST - LOW OPERATIONAL ENERGY COST - RELATIVE SMALL INVESTMENT.



Post pelleting application
MVS Coating system for :
- Fat, Soya oil, fatty acid.
- Enzymes, phytase.
- Probiotics.



Raw materials treatment
- Desinfection of seeds.
- Pest control.
- Dust suppression.
- Salmonella control.



Color application
MVS Coating system for :
- Coloring granulate.
- Adding additives.