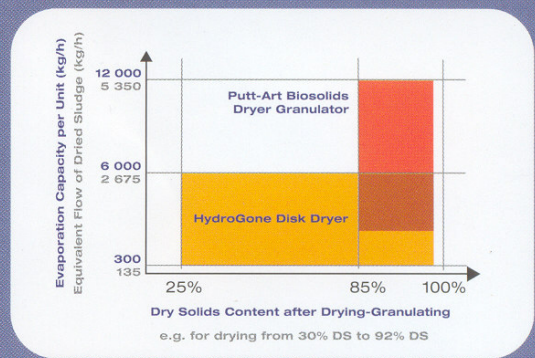


Proprietary Indirect Drying Technologies

Indirect, convective drying is the safest way to dry biosolids due to the very low oxygen vapour atmosphere (< 2% O₂ or 2.5 times below the lower explosion limit) in the dryer.

BIOSOLIDAIR® offers indirect dryers with evaporation capacities ranging from 300 kg/h water evaporated to 14000 kg/h per apparatus.

Integrated treatment of the vapour stream is included.



HydroGone® Horizontal Disk Dryer

Horizontal indirect disk dryer for partial or complete (>90% DS) drying. In combination with a proprietary granulator, hard granules with the desired shape and composition are obtained.

Putt-Art® Dryer Granulator

Dryer Granulator to produce hard, dust-free granules with >90% dry solids content and a very narrow size distribution.



Closing the circle: ir. Emiel Puttaert



At the beginning of his engineering career at Extraction De Smet Mr. Puttaert fostered the development of a special multiple tray-type Desolventizer-Toaster – a revolutionary apparatus for the desolventizing and toasting/drying of extracted vegetable seeds.

Under his technological inspiring leadership the take-off and expansion of an important environmental technology company was realized. During the 1970's and 1980's he further developed the Desolventizer-Toaster into an apparatus to dry and pelletize biosolids in one step. He also designed the fluidized bed combustion plants for sludge.

By bringing his experience and expertise to BIOSOLIDAIR®, the biosolids drying-granulating technology of the Putt-Art® Dryer Granulator is once again under the same roof with the De Smet Desolventizer-Toaster.

