

## MULTIFUNCTIONAL FLOCCULANT POWDERS HYPOL PWD RANGE



**Multifunctional flocculants powders (MFP)** application is addressed to the wastewater depuration process in small and medium dimension plants (**less than 20 cubic meters/day**).

The powders are products "all in one" and contain primary flocculants, polymers, dispersants, wetting agents, anti-caking agents, activated carbon and absorbing clays: all these components in micronized form. MFP must be added as it and stirred in a period of 3 - 5 minutes in a pH range 8 - 9.

No pre-dilution, pre-dispersion, or other previous operation is required. After such period it occurs the formation and sedimentation of big flocks and the liquid becomes clear without residual solids in suspension. By this method it's possible to obtain the following advantages:

- SAVING IN THE COSTS OF DOSAGE EQUIPMENT
- MANAGEMENT OF DEPURATION CYCLE WITHOUT SPECIALIZED WORKERS
- REDUCTION OF THE TREATMENT COSTS
- COMPLETE CLARIFICATION OF THE WASTE WATER
- REDUCTION OF COD
- REDUCTION OF TENSIDES CONTENT
- POSSIBILITY OF REUSE OF THE WATER
- FORMATION OF EASY TO REMOVE SLUDGE

Multifunctional flocculants powders are suitable for wastewater difficult to be treated by alternative treatments, produced by the following industries:

- GALVANIC INDUSTRY**
- ADHESIVES INDUSTRY**
- COSMETIC AND TENSIDES INDUSTRY**
- TEXTILES INDUSTRY**
- CERAMIC AND GLASS INDUSTRY**
- COOLING LUBRICANTS INDUSTRY**
- DYEING AUXILIARIES FOR PAPER AND TEXTILES INDUSTRY**
- EMULSION AND DISPERSION PAINTS INDUSTRY**
- GLUES INDUSTRY**
- GRAPHIC INDUSTRY**
- PLASTIC ARTICLES (INJECTION - MOULDING) INDUSTRY**
- METAL SURFACE TREATMENT INDUSTRY**
- PRINTING INKS AND AUSILIARIES INDUSTRY**

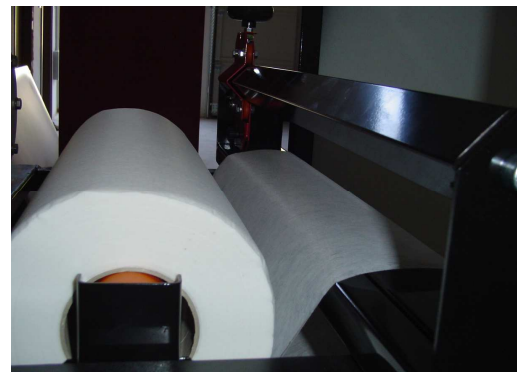
The feeding devices are automatic and requires the use of a screw connected to a timer to allow a suitable dosage, a stirred vessel and a filtration equipment by means draining bags or a paper filter roll.

The use of such products allows a treatment without storage tanks, pH control, dosing pumps etc, so the depuration cycle is easier and can be carried out in batches or in continuous, depending on the volume and the quality of the wastewater.

several industries where such method has been used and obtained results.

INTECNA manufactures **plants equipped to carry out treatments with PWD range.**

In photos are reported typical plants installed with some construction details.



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