



WASHING OF PLASTICS IN
RECYCLING PROCESSES

WITH AN ATTENTIVE
EYE TO NATURE



PRODUCTS AND TECHNOLOGIES IN WASHING OF PLASTICS IN PROCESSES OF RECYCLING

DETERGENTS

CONDORINE SG 583 PL

CONDORINE SG 583 PL HAS BEEN DESIGNED TO BE ADDED TO CAUSTIC SODA SOLUTIONS FOR WASHING OF PLASTICS IN REGENERATION PROCESSES. PRODUCTS CAN BE USED ON ALL POLYMERS, HAS A HIGH ABILITY TO REMOVE LABELS AND GLUES, CONTAINS CONTROLLED FOAM SPECIFIC SUBSTANCES WHICH ALLOW TO REDUCE CONSUMPTION OF ANTIFOAM AGENTS.

TEMPERATURE: 80-95°C

CONDORINE SG 583 PL-LT

CONDORINE SG 583 PL-LT HAS A SIMILAR USE OF THE PREVIOUS SG 583 PL, IT DIFFERS BEING ACTIVE ALREADY AT LOWER TEMPERATURES ALLOWING SIGNIFICANT ENERGY SAVINGS AND DRASTICALLY REDUCING OPACIFICATION PHENOMENA.

TEMPERATURE 65-75°C

ANTIFOAM

ANTIFOAM PL 16

ANTIFOAM PL 16 IS USED TO PREVENT AND REDUCE FOAM IN WASHING TANKS IT IS A SILICON-BASED PRODUCT, WITH AN HIGH ACTIVE CONCENTRATION

AIR RELEASER

CONDAERATIN 05PL

CONDAERATIN 05PL IS AN AIR RELEASE AGENT, WITH ANTIFOAM PROPERTIES, DESIGNED TO SEPARATE PET FROM OTHER KIND OF PLASTICS.

TEMPERATURE: FROM AMBIENTE TO 70°C

FLOCCULANTS

CONDORFLOC C 256

CONDORFLOC C 256 IS A POWDER ANIONIC FLOCCULANT, PARTICULARLY SUITABLE FOR CLARIFICATION AND RECYCLING OF WASHING SOLUTIONS. ITS PARTICULAR MOLECULE MAKES IT ACTIVE ALSO AT HIGH TEMPERATURES AND IN PRESENCE OF HIGH CONCENTRATIONS OF CAUSTIC SODA. POLLUTANTS DISPERSED IN THE WASHING SOLUTION RAPIDLY PRECIPITATE TO THE BOTTOM OF THE SETTLING TANK FROM WHERE THEY ARE EASILY DISCHARGED TO THE THICKENING AND DEHYDRATION SYSTEMS.

OTHER PRODUCTS

CLEANER

DESCALING CLEANER, FREE OF HYDROCHLORIC ACID, FOR HEAT EXCHANGERS, RAMPS AND COMPONENTS SUBJECT TO SCALES.

CONDORCIDE 500

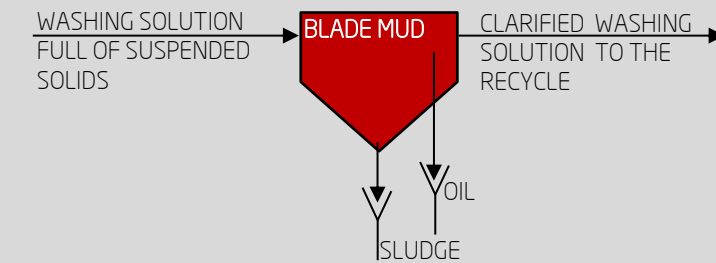
THIAZOLINONES BASED PRODUCT TO PREVENT BIOFOULING.

PURIFICATION OF WASHING SOLUTIONS SETTLING



BLADE MUD

LAMELLAE SETTLING UNITS - BLADE MUD SERIES - ALLOW TO REMOVE IN CONTINUOUS, FROM THE WASHING SOLUTION, THE SUSPENDED SOLIDS AND OTHER FLOATING OILS, TO PROLONG THE LIFE AND TO PRODUCE A MUCH CLEANER PLASTIC. THE EQUIVALENT HIGH SURFACE AREA, OBTAINED THANKS TO AN EFFICIENT COALESCENCE LAMELLA PACKAGE, ALLOWS TO GET EXCELLENT PERFORMANCES WITH LIMITED OVERALL DIMENSIONS AND LOW DOSAGE OF FLOCCULANTS.



MODEL	EQUIVALENT SURFACE	TREATMENT CAPACITY mc/h	DIMENSIONS
BLADE MUD 4.05	1.3 m ²	0,5	850x550 h1400
BLADE MUD 6.05	3.4 m ²	1,5	1100x750 h1650
BLADE MUD 6.1	6,8 m ²	3	1100x750 h2150
BLADE MUD 9.05	8,6 m ²	4	1350x1050 h1900
BLADE MUD 9.1	17 m ²	8	1350x1050 h2400
BLADE MUD 12.05	16 m ²	8	1850x1350 h2200
BLADE MUD 16.05	30 m ²	15	2350x1850 h2500
BLADE MUD 16.1	60 m ²	30	2350x1850 h3000

REGENERATION OF WASHING SOLUTIONS ULTRAFILTRATION



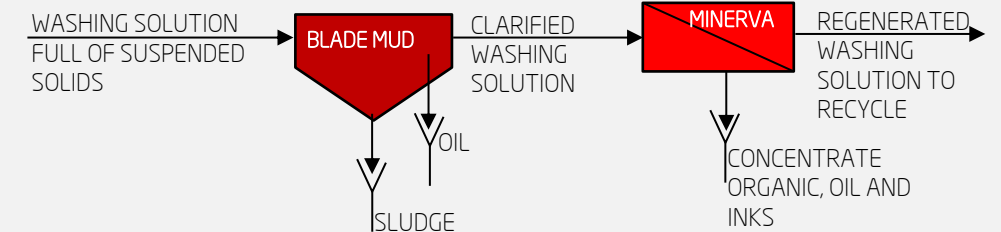
MINERVA

ULTRAFILTRATION UNITS - MINERVA SERIES- ALLOW TO REMOVE IN CONTINUOUS, FROM THE WASHING SOLUTION, OILS IN EMULSION, INKS AND BIG ORGANIC MOLECULES, REDUCING COD CONTENT AND EFFECTIVELY REGENERATING THE SOLUTION. FOR THIS REASON, THE SOLUTION MUST NO LONGER BE PERIODICALLY RENEWED.

MINERVA UNIT ALLOWS TO:

- REDUCE BY 70% CAUSTIC SODA AND DETERGENT CONSUMPTION
- REDUCE BY '80% WASTE WATER FROM WASHING TO BE PURIFIED OR DISPOSED
- KEEP CONSTANTLY AT HIGH VALUE QUALITY OF CLEANING IMPROVING QUALITY OF PLASTICS.
- REDUCE ENERGY COSTS FOR HEATING THE WASHING SOLUTION

* NOTE: THE COMPLETE RECOVERY OF THE ADDITIVE IS GUARANTEED ONLY WITH THE USE OF OUR CONDORINE SG 583 PL.



MODEL	TREATMENT CAPACITY L/H	DIMENSIONS	POWER CONSUMPTION (KW/H)
MINERVA C250	315	3000 X 1800 X 2500	8,80
MINERVA C400	540	3000 X 1800 X 2500	8,80
MINERVA C500	630	3000 X 1800 X 2500	8,80
MINERVA C650	750	3000 X 2200 X 2500	10,80
MINERVA C1000	1350	3200 X 2200 X 2500	10,80
MC 4160	1080	3600 X 2300 X 2600	13
MC 4200	1350	3800 X 2300 X 2600	15
MC 4400	2700	4000 X 2300 X 2600	18