

## 8. DYEING and FINISHING MACHINERIES

### 1.10 – WASHING MACHINES

#### 8.1.10.001

##### Continuous washing machine VIBROCOMPACT

y.o.c. 1992

for washing of cotton/ cotton synthetic/ wool and synthetic fabrics

composed by no. 3 single washing units with squeezers

fabric exit: working width 180 cm



#### 8.1.10.002

##### Continuous washing line in open width for woven fabric

MEZZERA . Ramallumin – y.o.c. 2000

Rollers width: 3800 mm - Working width: 3600 mm

Composed of:

- **Double introduction**, frame manufactured in painted FE profiles, slinging by adjustable flywheels, 2 groups of widening-centring rollers E+L KF20, fabric guiding rollers in AISI 316, dragging calander with 3 rollers.
- **By-pass and synchronization bridge** composed of : frame in carbon steel Fe37, group of guiding rollers in stainless steel complete with self-aligned bearings to guide the fabric to the following section .
- **Roller washing unit** in open width , mod. ACTIVA 30, with double fabric dwelling.
- **5 intermediate squeezers**
- **Slat widening** unit for double row
- **Squeezing system** with : 2 rollers coated rubber/ebonite, rubber hardness 75-80 ShA, working pressure 3000 Kg, a.c. motor gearbox, inverter, pneumatic drive.
- **Roller washing unit** in open width, mod. ACTIVA 20, with simple fabric dwelling
- **Intermediate separator** for tank splitting
- **5 Intermediate squeezers**
- **Slat widening unit** for double row
- **Delivery group** with pneumatic foulard of 10 Ton rubber/ebonite, complete with bearing frame and protection casing. Rubber roller with high squeezing effect Rollin
- **Second discharging stack**
- **Pump for the bath recycling** in the neutralization part
- **Ph-meter with dosing pump** to neutralize in the first section of the last tank
- **Big batcher**, adhering type, driver by motor with variable speed.
- **Slat widening unit** for double row
- **2 ducting** for the water recovery between the 2 washing units in open width
- **3 temperature automatic controls** per each washing unit



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- **4 sets of proportional valves** with liter counter
- **Complete motorization of the line** with motors group, electric control cabinet and synoptical panel.

#### **Vertical dryer RAMALLUMIN**

composed of 2 columns with 8 rollers, in order to dry both faces of the fabric, for a total of 16 drying rollers.

- Max. working width: 3600 mm.
- Max. mechanical speed: 80 mt./min.
- Max. weight of the fabric, in width 3400 mm 900 gr./linear meter
- Foreseen working speed with fabric W=3400mm W=850 gr. 40/45 mt./min.
- Foreseen working speed with fabric W=3400 W=425 gr. 80 mt./min.

Modified, as follows, with additions of :

2 cooling rollers, 1 set of accessories for the feeding and return of the cooling water, set of components for the control, 4 return cylinders, compensating group on the introduction side, 3 suctioning hoods, 1 exhauster.