



POZZI LEOPOLDO

FIX
Creel-ready
precision
conditioner

AQuafix-**Tube**

Contrary to other “fully saturated steam” technologies, **AQuafix**® solves the problem of intermediate vacuum water boiling by extracting the water from the airless autoclave, saving energy and allowing for a lower content of air in the yarn: this process produces perfectly uniform distribution of the humidity inside each bobbin.

Important advantages:

- No splashes of water are deposited on the material.
- No problems with mildew or differential dyeing in spot-wetted areas.
- The water transferred to the pressurized side-tank maintains its temperature.
- Still hot, this water is later re-introduced, in the machine, thus:

AQuafix is an ENERGY SAVING MASTER

Guaranteed absolute uniformity of treatment

A high initial vacuum and a strict control of the saturation level are necessary to have steam performing like an ideal condensing gas: for every working pressure, all treated yarn must reach one and one only temperature.

▶ **01**

High reproducibility of results

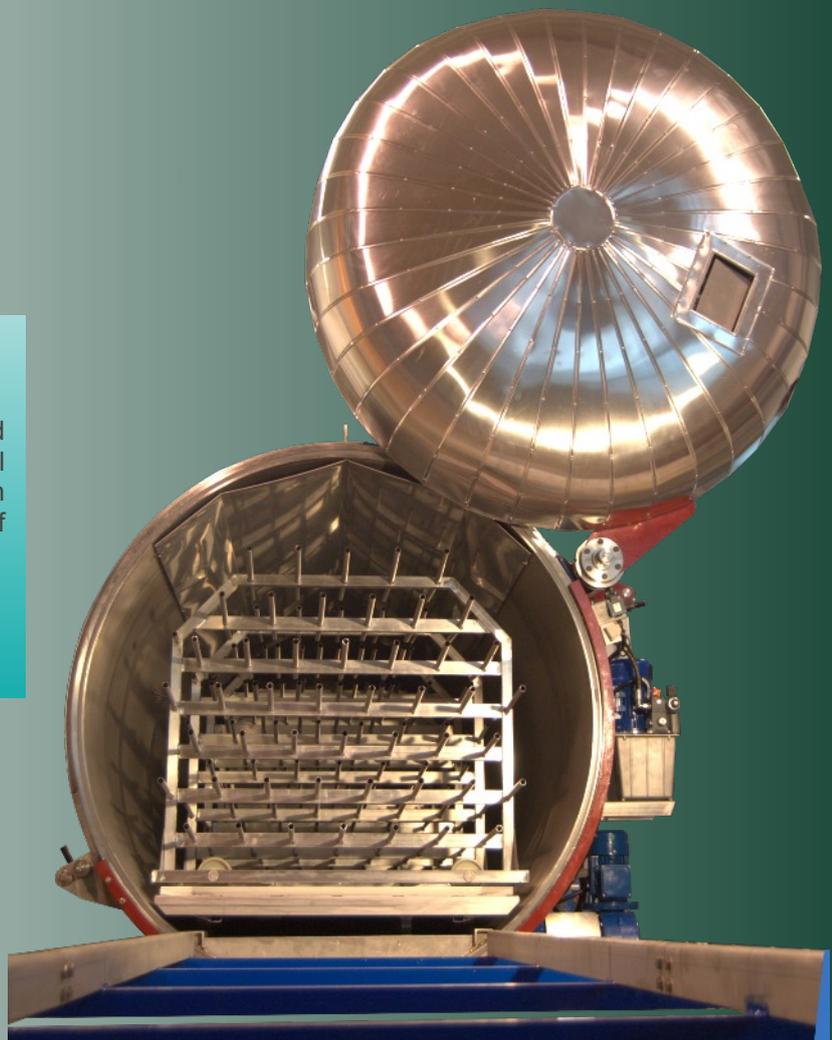
The results of the operation depend exclusively on the system. The control equipment is the master of the situation with no limitation on type or number of executable programs.

▶ **02**

Reduced process time

Removing the need to evaporate water means flashing vacuum operations: Process time is reduced together with normal wear and tear.

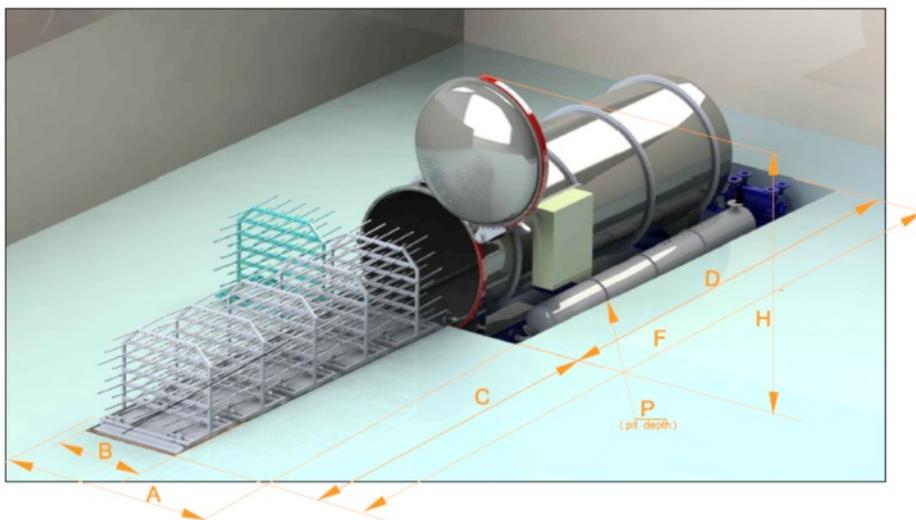
▶ **03**



Why AQuafix?

All technologies adopted to quickly condition textile fibers must guarantee the most even deposit of humidity into the processed yarn, i.e. they must not exceed the natural characteristics of absorption of the treated fiber and they must maintain a controlled temperature of operation in order not to impair the operability of the wax which might be present in the yarn:

A result which may only be guaranteed with total air removal.



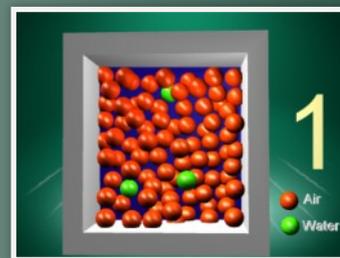
AQuafix-Tube capacity and measures (mm according to size)

BR-b -1750

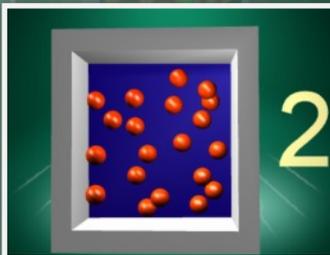
machine capacity Kg.		923	1231	1539	1846
tot. number creels:		3	4	5	6
machine length mm:		3300	4400	5500	6600
machine dimensions	A	2755	2755	2755	2755
	B	1350	1350	1350	1350
	C	4900	6000	7100	8200
	D	3600	4700	5800	6900
	F	8000	9100	10200	11300
	H	3100	3100	3100	3100
	P	620	620	620	620

BR-b -2000

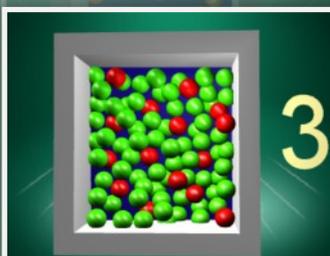
capacity of machine KG		1869	2337	2804
creels in machine:		4	5	6
machine length mm:		4400	5500	6600
machine dimensions	A	3149	3149	3149
	B	1485	1485	1485
	C	4727	5827	6927
	D	6212	7312	8412
	F	10939	13139	15339
	H	3541	3541	3541
	P	710	710	710



The machine is full of air and some humidity is present.



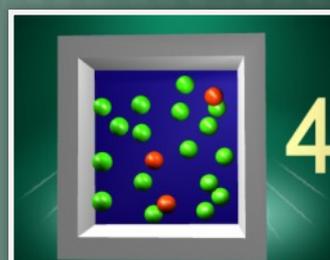
A first vacuum is pulled and 10% air is left in the machine because of pump inefficiencies.



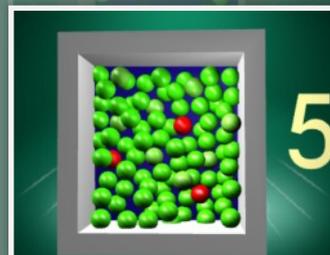
Steam below atmospheric pressure is produced in the machine and it is mixed with residual air.



Water is removed from the machine, **without letting air in**; it will be re-inserted after step 4.



A second intermediate vacuum is pulled and now only 10% of the mixture is left.



The final steaming takes place, with almost no air left in the system.



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