



WELKER VAPOFIX 120



YARN CONDITIONING PLANT

World Class
Yarn Conditioners
and Heat Setting
Machines.
An Indo-German
Joint Venture.

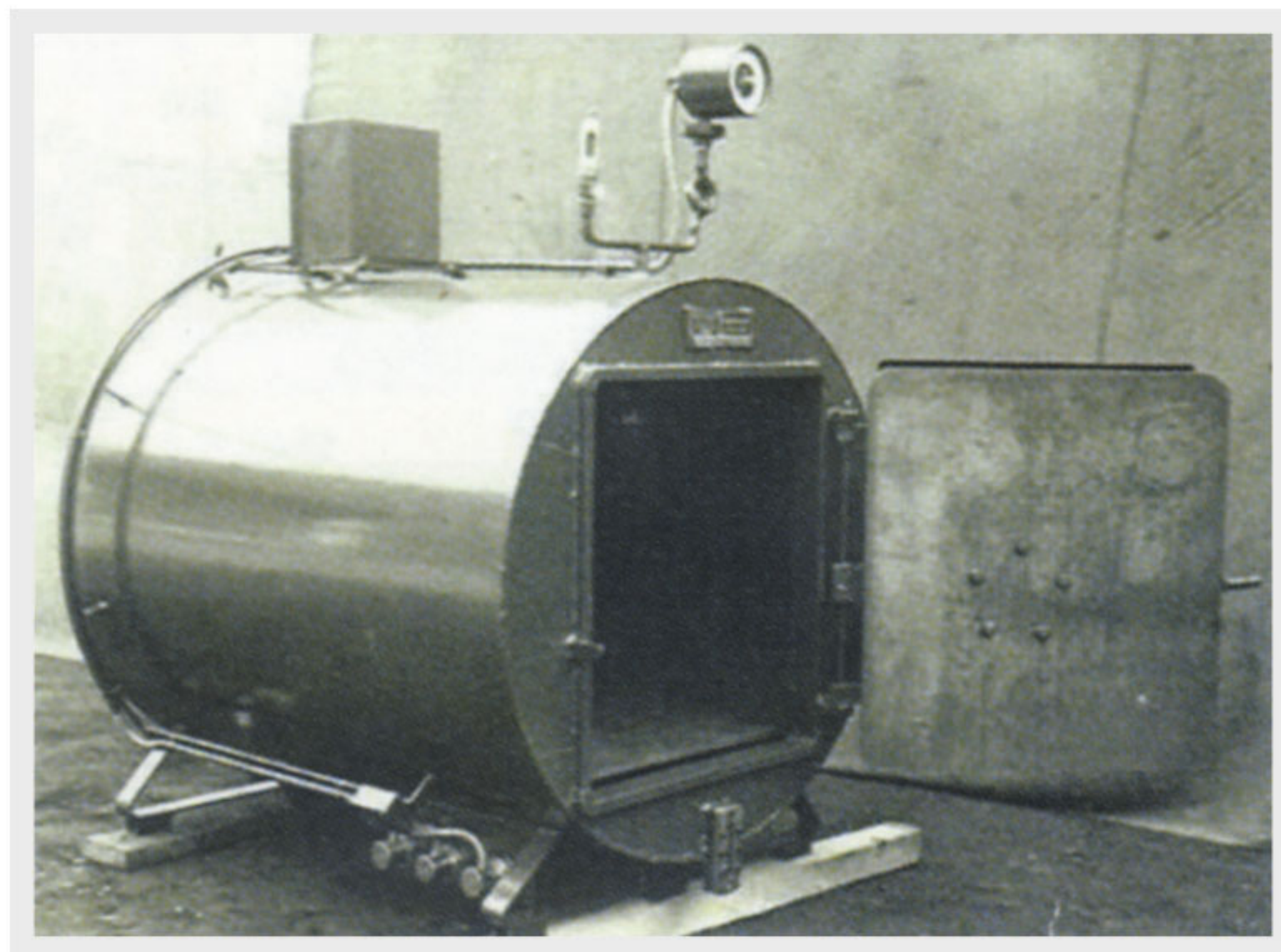


AB REINIGER INDUSTRIES PVT. LTD., Coimbatore, **INDIA** formerly known as AB INDUSTRIES – established as a manufacturer of all types of Over head Travelling Cleaners equipped with the latest CNC based manufacturing facility brings, **YARN CONDITIONING PLANT–YCP** in collaboration with

WELKER SPINTECH GmbH, GERMANY - World leader in manufacturing and supplying world class conditioners and heat setting machines of different types right from CYLINDRICAL - Vapofix, Humivac and Vaposet to CUBICAL CONDIBOX- Piccolo, Compact, GFY, Tunnel, Excella etc... to meet the futuristic requirement of customers world wide since the year 1856.

ADVANTAGES OF YCP :

1. Increase in Single yarn Elongation and strength.
2. Significant reduction in fly liberation.
3. Free from Electrostatic charges and better hairiness value.
4. Increased efficiency of knitting machines due to less unwinding tension and fewer needle breaks.
5. Good size pickup in sizing.
6. Better performance in good cloth formation and fabric softness.



First in 1856



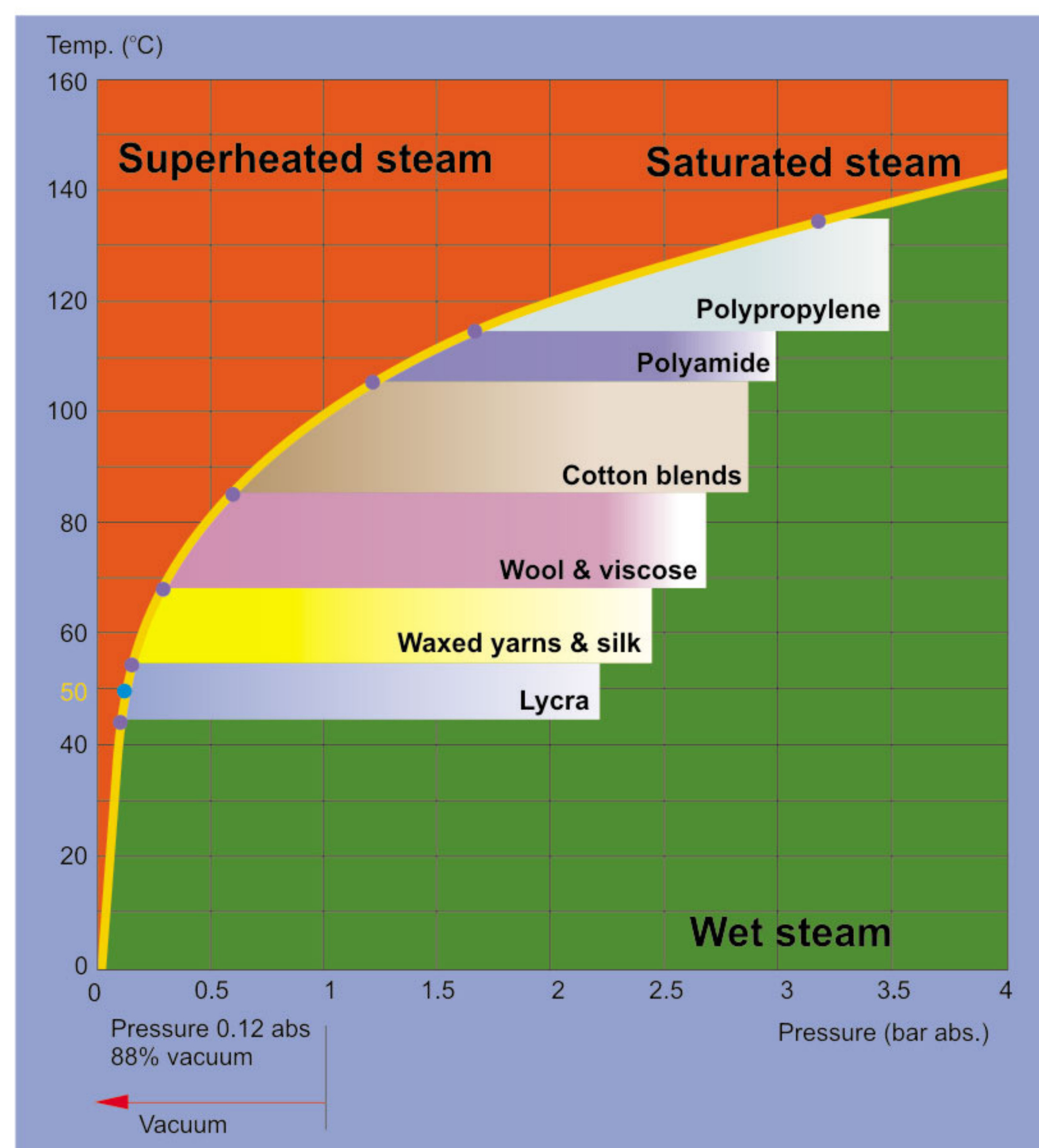
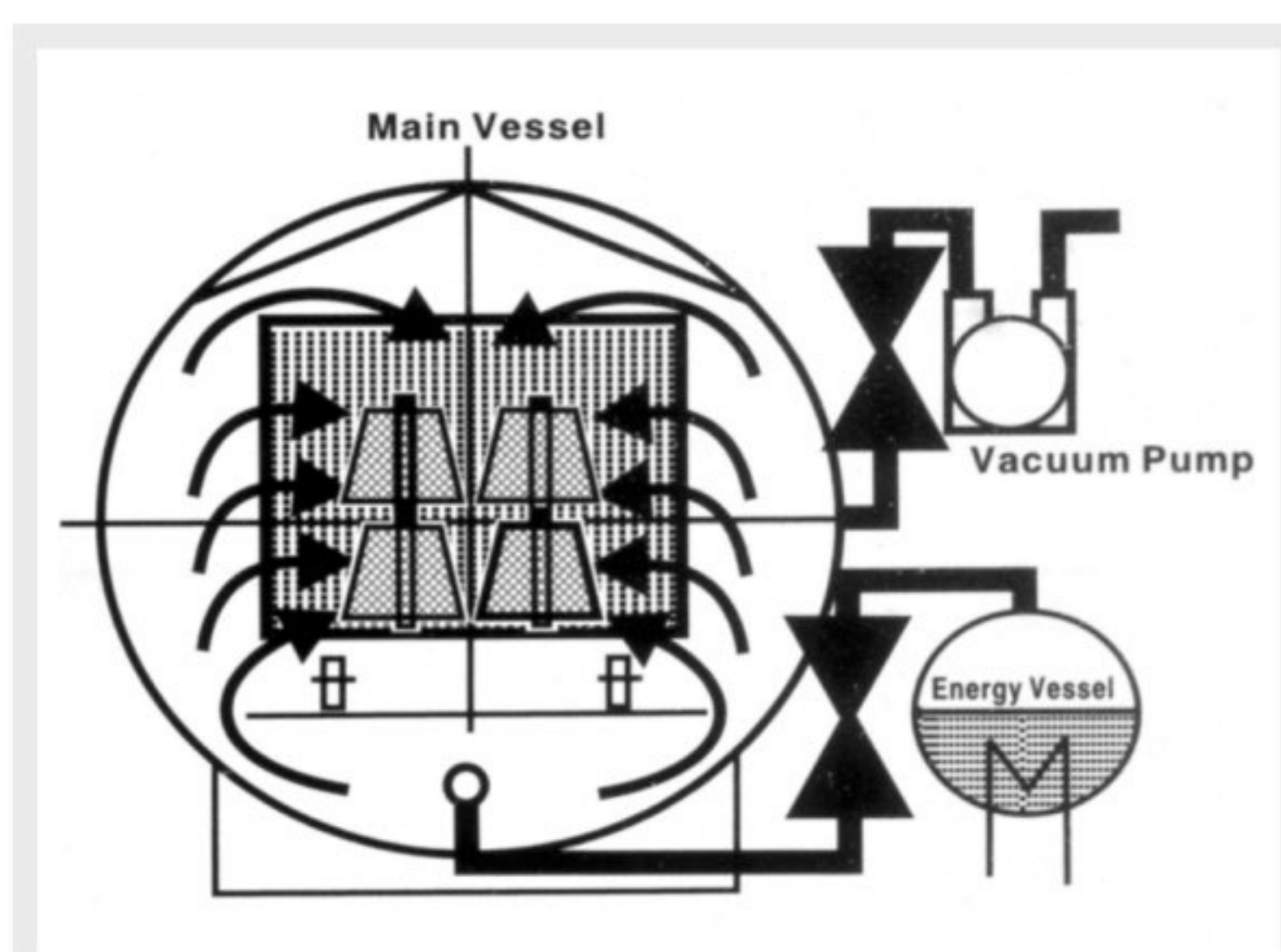
Latest in 2013

The purpose of YCP- Conditioning of yarn is to restore the natural properties of strength and elongation by thermo dynamic principle. The system should follow the basic physics of “ Steam can be generated at low temperature if the pressure is low “– in other words , the pressure and temperature are directly proportional.

REINIGER WELKER YCP follows the thermodynamic principle for gentle treatment of yarn by producing cold saturated steam in a separate energy source and avoids contamination of yarn in the conditioning chamber.

Cotton, Cotton Mercerised, Wool, Silk, Polyester, Viscose-Rayon, Blends like PV/ PC in Cop , Cone and hank form can be treated for conditioning and heat setting with homogeneity - TWO IN ONE MACHINE.

Conditioning from 46°C to 120°C





TECHNICAL SPECIFICATION :

Description	ABR - 500	ABR - 750	ABR - 1000	ABR - 1500
Capacity/batch	500 Kgs	750 Kgs	1000 Kgs	1500 kgs
Production	12 Tons	18 Tons	24 Tons	36 Tons
Vessel Diameter	2000 mm	2000 mm	2000 mm	2000 mm
Feeding of Cones	Manual / Auto	Automatic	Automatic	Automatic
Energy source	SeparateEV Heater/Steam	SeparateEV Heater/Steam	SeparateEV Heater/Steam	SeparateEV Heater/Steam
Water Req.	15L for Steam gen.	22L for Steam gen.	28L for Steam gen.	45L for Steam gen.
Operating Temperature	Up to 120" C	Up to 120" C	Up to 120"C	Up to 120"C
Operating Pressure	-33 to 1013 mbar	-33 to 1013 mbar	-33 to 1013 mbar	-33 to 1013 mbar
Req. Load	84.5kW	84.5kW	121 Kw	157Kw
Power Consumption	16 – 18 kWhr	17-19 kWhr	22-24kWhr	28 – 30 kWhr
Req. Area	7x4Mtr	8.5 x 4 Mtr	10 x 4 Mtrs	13.5 x 4 Mtrs

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