



FILATEX INDIA LIMITED

Filatex is a Public Limited Company, in the business of manufacturing Polyester ,nylon and Polypropylene Monofilament yarns and Polyester and Polypropylene Multifilament Yarns (commonly known as PFY) .

CHILLING THROUGH WASTE STEAM OF POLYMERIZATION.

Continuous polymerization CP is a process to manufacture the polyester chips. Mainly PTA and Glycol are the raw materials. PTA and Glycol after mixing forms a medium liquid which generates vaporization after further heating. The vapors from CP process travel through various process and finally ejected from top of the chimney approx. 26 meters above ground. These vapor are generally 100C at 0 pressure. It contains slight higher enthalpy than normal steam at the same pressure with the pH **2.5 to 4.**

BROAD SINGLE STAGE STEAM CHILLER (2011)

These vapors can be utilized to drive vapor absorption chiller. BROAD single stage steam chiller (BDS454X0.00(100)-39/32-7/13-600) is installed at Filatex India limited site along with another 11 chillers of various types. This chiller is installed at the top of the building at approx. 26meters and directly connected with CP chimney to receive CP vapors. At full load this chiller produces 1500TR of cooling capacity.

BROAD STANDARD CHILLER ADVANTAGE AGAINST LOW pH PROBLEM

BROAD standard chiller incorporates **Titanium Tubes**. Titanium is one of the most robust metals in the world. It is also rust proof and its reactivity with acids is very low. As is clear in this case, the pH level is 2.5 to 4; therefore Titanium is the perfect metal to sustain such an environment. Hence **BROAD standard chiller is the only one to give best output with highest life expectancy (60 years).**

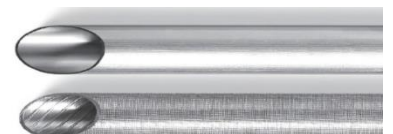


Steam
100°C
Low Pressure



Cooling
1500Rt

	COPPER	TITANIUM
RIGIDITY	LOW	HIGH
CORROSIN	HIGH	NO
LIFE SPAN	25 YEARS	60 YEARS
WEIGHT	HIGH	LOW
Libr REACTION	MODERATE	NO



Titanium Tubes Since 2017

Polymerization Distillation Column