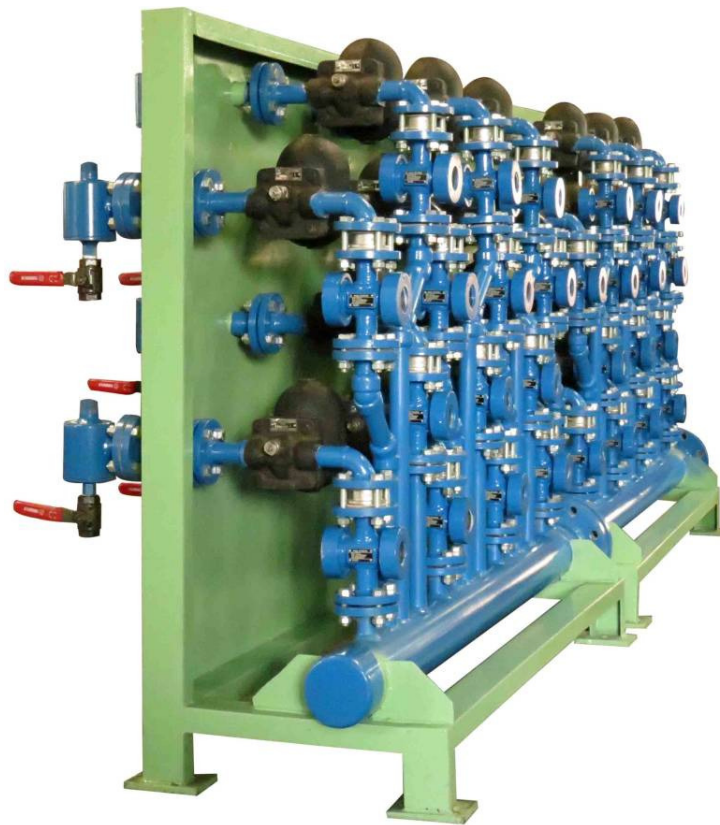


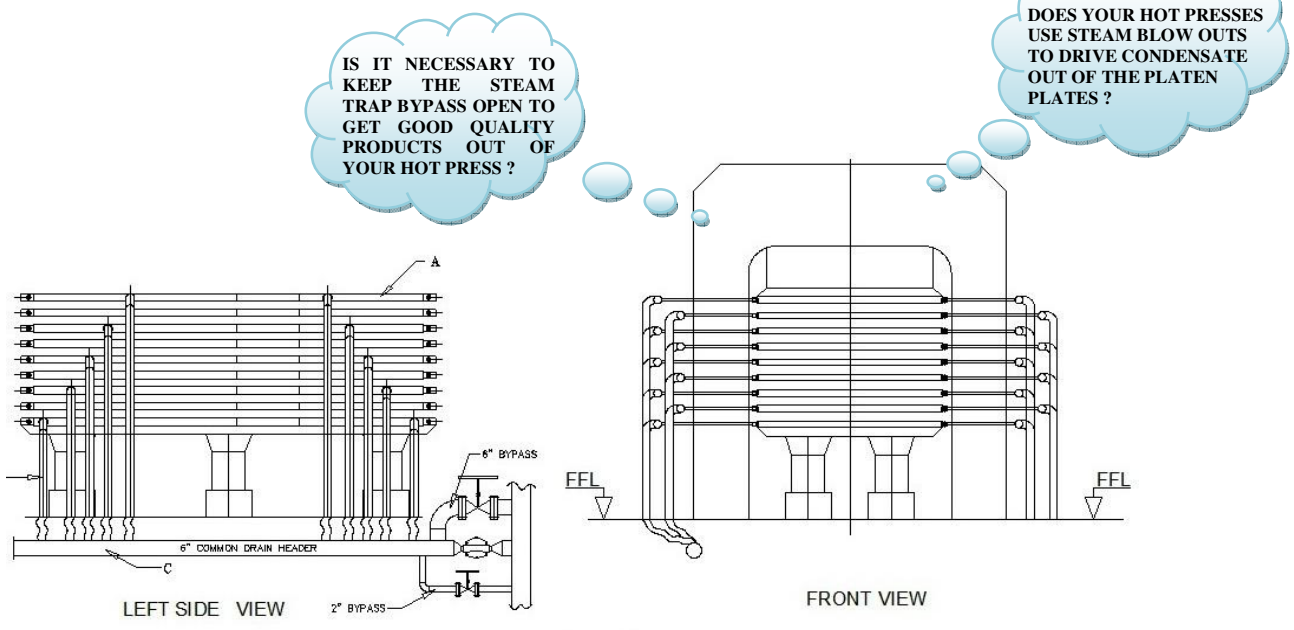
Module-HST

“The Ultimate Solution For Condensate Handling In Hydraulic Hot Press”



**MANUFACTURED & MARKETED
BY
INDOANUSHKA**

“PROVIDING VALUE FOR MONEY IN STEAM ENGINEERING”

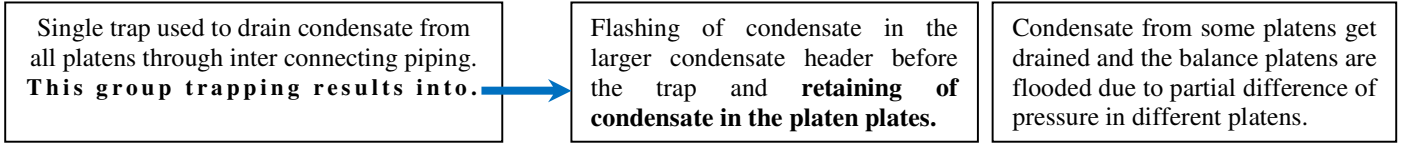


IS IT NECESSARY TO KEEP THE STEAM TRAP BYPASS OPEN TO GET GOOD QUALITY PRODUCTS OUT OF YOUR HOT PRESS ?

DOES YOUR HOT PRESSES USE STEAM BLOW OUTS TO DRIVE CONDENSATE OUT OF THE PLATEN PLATES ?

A typical hot press with condensate out let connections – used in manufacturing of laminates

The existing system



The resulting challenge

Condensate water getting retained in platen plates and resulting into under prepared laminates or spots on laminate.

Steam blowouts come into practice to remove this condensate retention in the platen plates. Steam is used to blowout & remove the condensate by opening the drain valve in short bursts repeatedly during heating cycle. During valve opening huge amount of steam is also lost.

End Result

* **LARGE AMOUNT OF STEAM WASTAGE.**

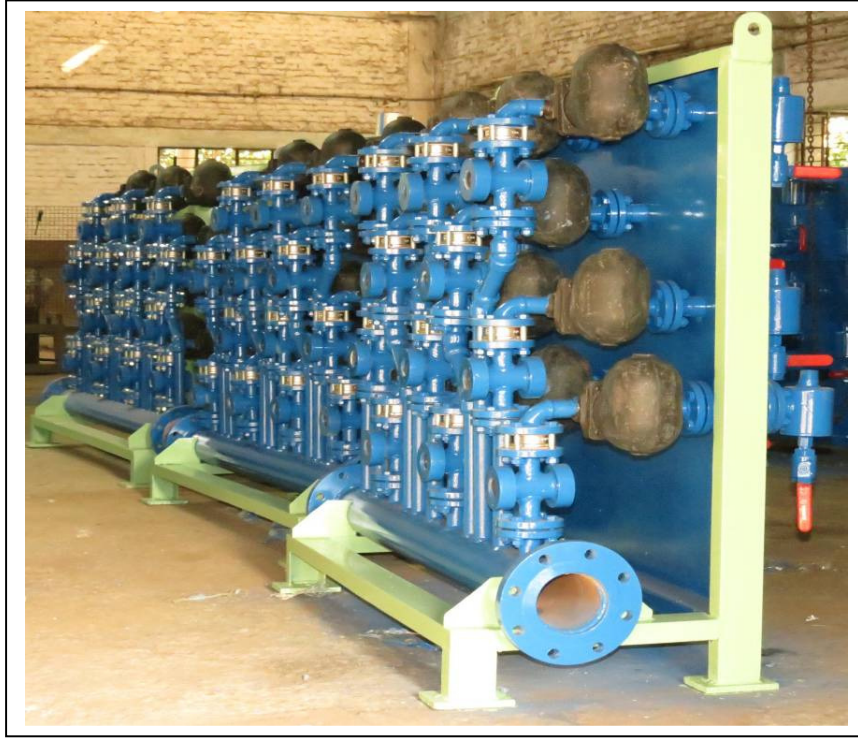
* **UNANTICIPATED LAMINATE QUALITY**

* **INCREASED LAMINATE COSTS.**

HUGE MONETARY LOSSES.

THE SOLUTION





INDOANUSHKA “MODULE-HST”

A COMPLETE RETROFIT ABLE, INDEPENDENT AND WHOLESOME STEAM TRAPPING SOLUTION FOR HOT PRESSES.

Individually drains all the platens by two traps specially designed to take care of the peak loads & uniform condensate removal from both sides of the platen outlet header. One trap also acts as a safe guard to the other in case of failures.

No imbalance or additional weight on platens – therefore no malfunctioning of the hydraulic cylinders.

A “MAINTENO”online cleanable strainer before traps creates an inbuilt system of zero running maintenance with zero pressure drop across the strainer.

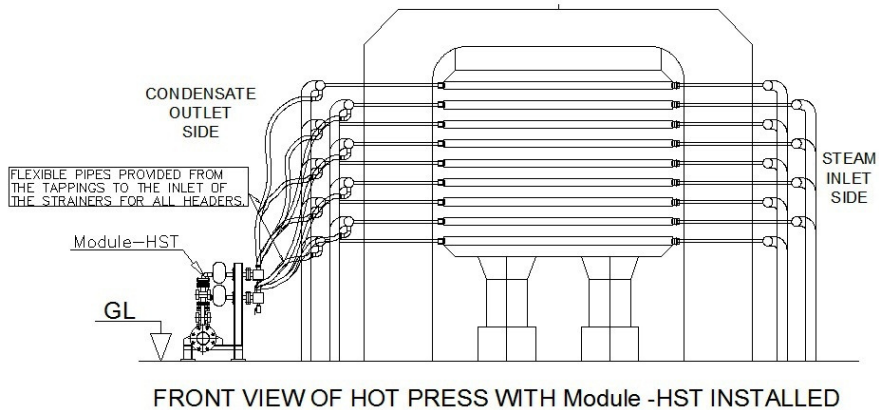
The system incorporates continuous monitoring of condensate removal from each platen with the help of “MULTIVIEW”- a lifetime no leak no glass breakage type double window sight glass.

The DCV specially provides protection against back pressure and back flow of water during the cooling cycles.

Totally retrofitable & can be introduced in the system by just placing besides the hot press with minimal modification and practically no shutdown.

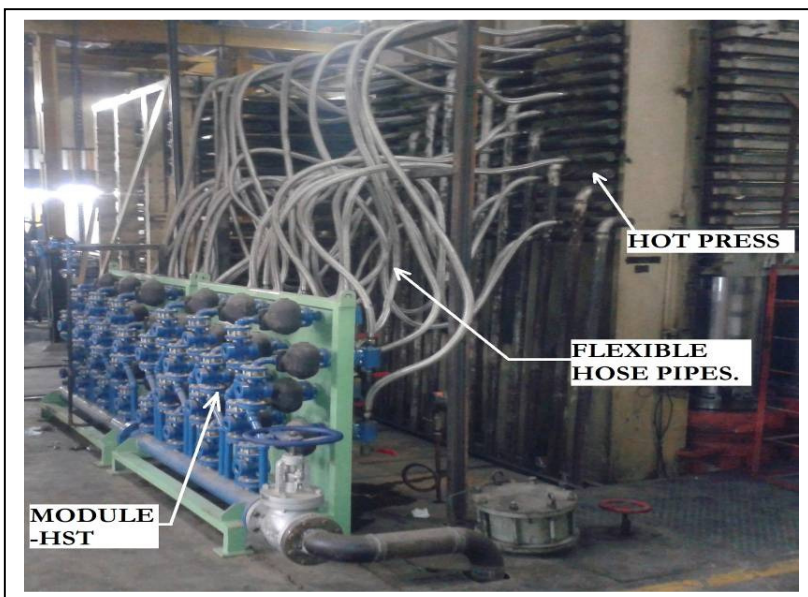
Installation of this system allows the existing system to remain as it is for use of draining cooling water. The steam/ condensate drain circuit and the water drain circuit is thus kept independent for more efficient drain

Provides an ultimate solution in terms of 100% condensate removal without any steam leak, without any requirement of blowout or flushing cycles, without any opening of bypasses and maximum & uniform heat utilization from the supplied steam.



'MODULE-HST' INSTALLATION - THE BARE MINIMUM PREPARATIONS.

- It is only required to introduce new drain points with isolating valves in the sides of the existing platen headers for draining of condensate through our system.
- Our complete system with the required number of traps is to be installed by just placing it suitably on the side of the press. Refer above sketch.
- The newly introduced condensate drain pipes as mentioned above are to be then connected to the strainer inlets of the collective drain trap assembly module through flexible pipes.
- The steam trap module station is provided with the bottom drain header which is to be extended and joined to the existing drain header of the water circuit.
- A valve has to be provided on the water pipe just before the condensate joint. This valve is to be kept closed during the steam cycle and opened during the water cycles.
- The common header (water and condensate) after the valve should be extended and emptied into the hot /cold well.
- Do not raise the header as far as possible after the point of water and steam drain merging.



BOTTOMLINE END RESULTS

UTILITY SIDE

DIRECT SAVINGS OF STEAM BY SIGNIFICANT AMOUNT ON ONE SIDE AND REDUCTION OF STEAM CONSUMPTION IN STEAM CYCLES ON THE OTHER SIDE.

PRODUCT SIDE

BETTER QUALITY PRODUCT WITH REJECTIONS ELIMINATED.