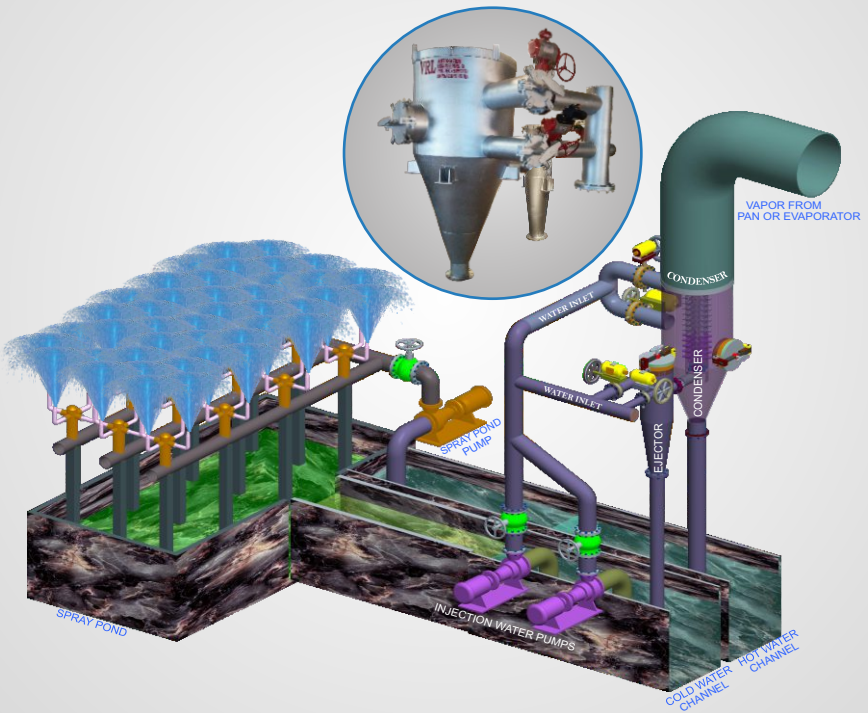


ENERGY EFFICIENT INTIMATE CONTACT CONDENSER



THIS SPLIT CONDENSING SYSTEM WITH EJECTORS:

- ▶ REPLACES CONVENTIONAL BAROMETRIC OR MULTI JET CONDENSERS WITH ENERGY EFFICIENT CONDENSER.
- ▶ REPLACES VACUUM PUMPS OR STEAM EJECTORS WITH WATER EJECTOR.

WORKING PRINCIPLE:

- ▶ SPLIT TYPE CONDENSER RECEIVES WATER EXCLUSIVELY FOR CONDENSING THE VAPOR FROM PANS & EVAPORATORS. HENCE WE CAN REDUCE APPROACH TEMPERATURE BETWEEN VAPOR AND TAIL PIPE WATER. THIS LEADS TO HIGHER ΔT BETWEEN COLD WATER GOING TO CONDENSER & HOT WATER COMING OUT FROM CONDENSER TAIL PIPE.
- ▶ NON-CONDENSABLE GASES ARE EVACUATED USING WATER EJECTOR, AS THERE IS NO HEAT TRANSFER IN EJECTORS, THE WATER USED IN THESE EJECTORS CAN BE REUSED WITHOUT SENDING TO COOLING TOWER OR SPRAY POND.

ADVANTAGES:

- ▶ RETURN ON INVESTMENT WITHIN 8 TO 9 MONTHS OF PLANT OPERATION.
- ▶ FACILITATES USE OF LOW HEAD MIXED FLOW INJECTION PUMPS IN PLACE OF HIGH HEAD INJECTION WATER PUMPS. THIS HELPS IN REDUCING THE POWER CONSUMPTION AT INJECTION WATER PUMPS.
- ▶ AS VACUUM PUMPS ARE REPLACED THERE IS CONSIDERABLE POWER SAVING. THERE IS NO MAINTENANCE INVOLVED IN WATER EJECTORS UNLIKE VACUUM PUMPS.
- ▶ AS WATER GOING TO COOLING TOWER OR SPRAY POND IS GREATLY REDUCED THERE WILL BE CONSIDERABLE POWER SAVING.
- ▶ FULLY AUTOMATED FOR SUSTAINED RESULTS.
- ▶ TROUBLE FREE & MAINTENANCE FREE SYSTEM.

