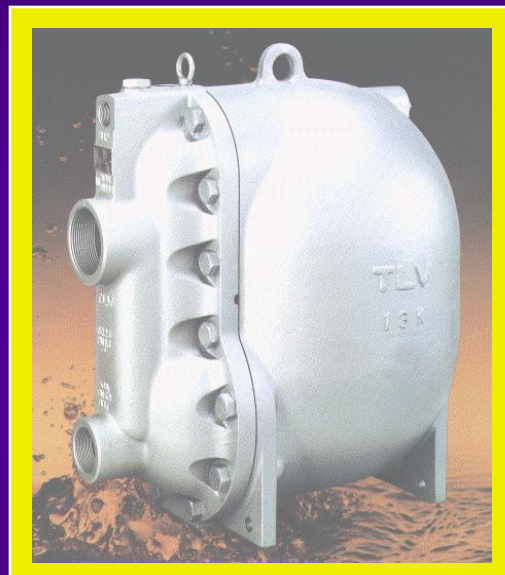
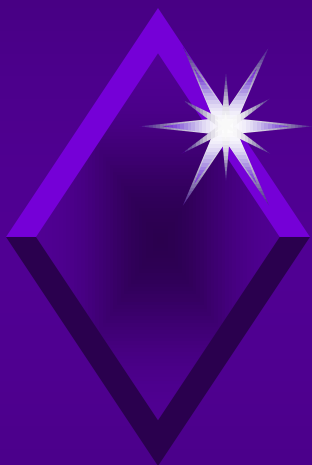
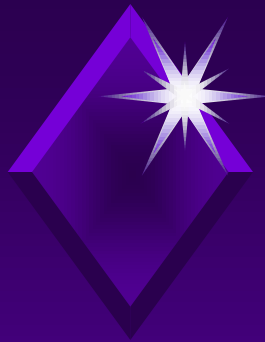




CONDENSATE DRAINAGE

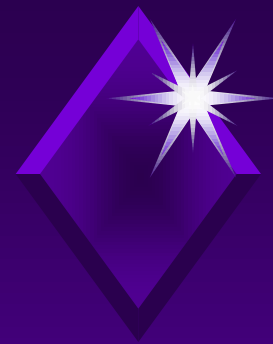


2013 Wester Regional Boiler Association
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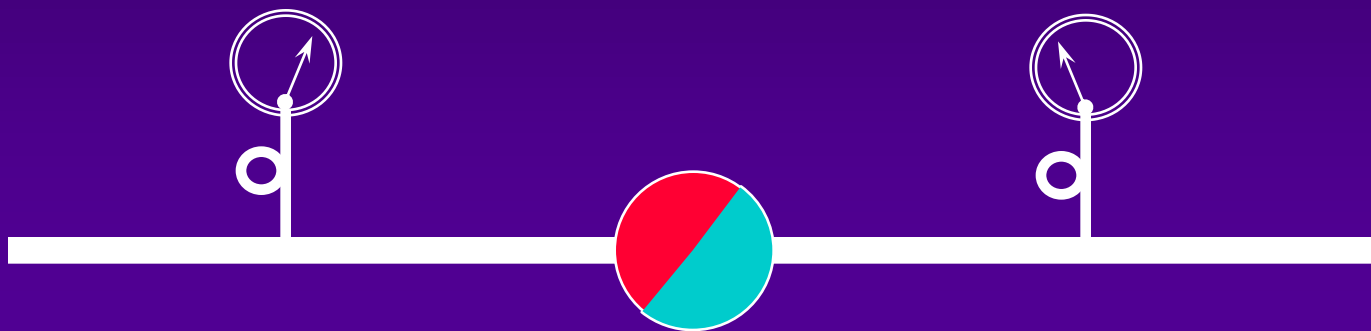


CONTENT

- EQUIPMENT DRAINAGE
- SYSTEM STALL



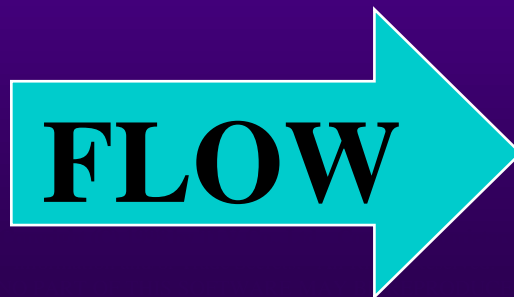
NORMAL DRAINAGE



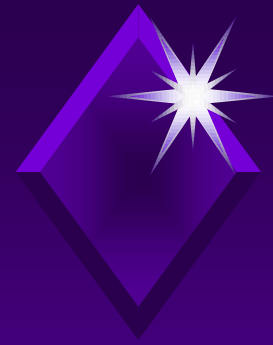
P_1

P_2

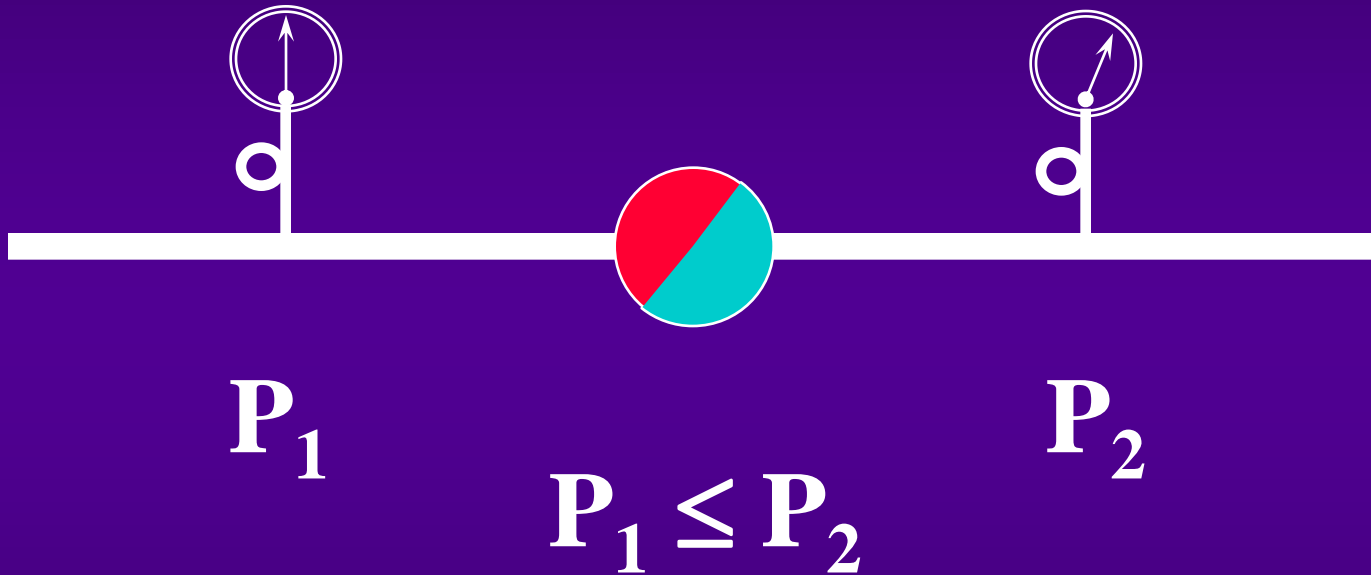
$P_1 > P_2$



**TRAP
OK**



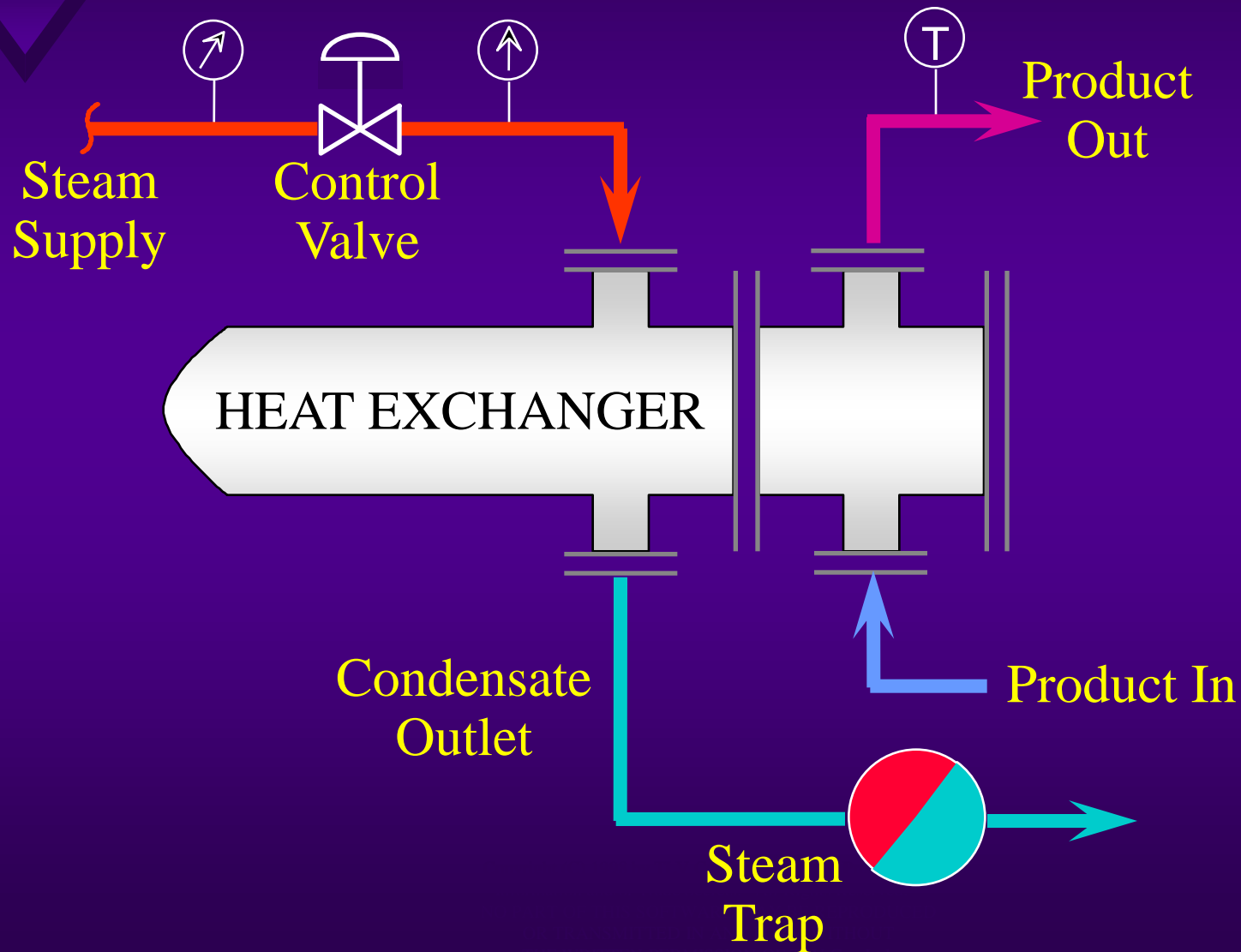
DRAINAGE PROBLEM



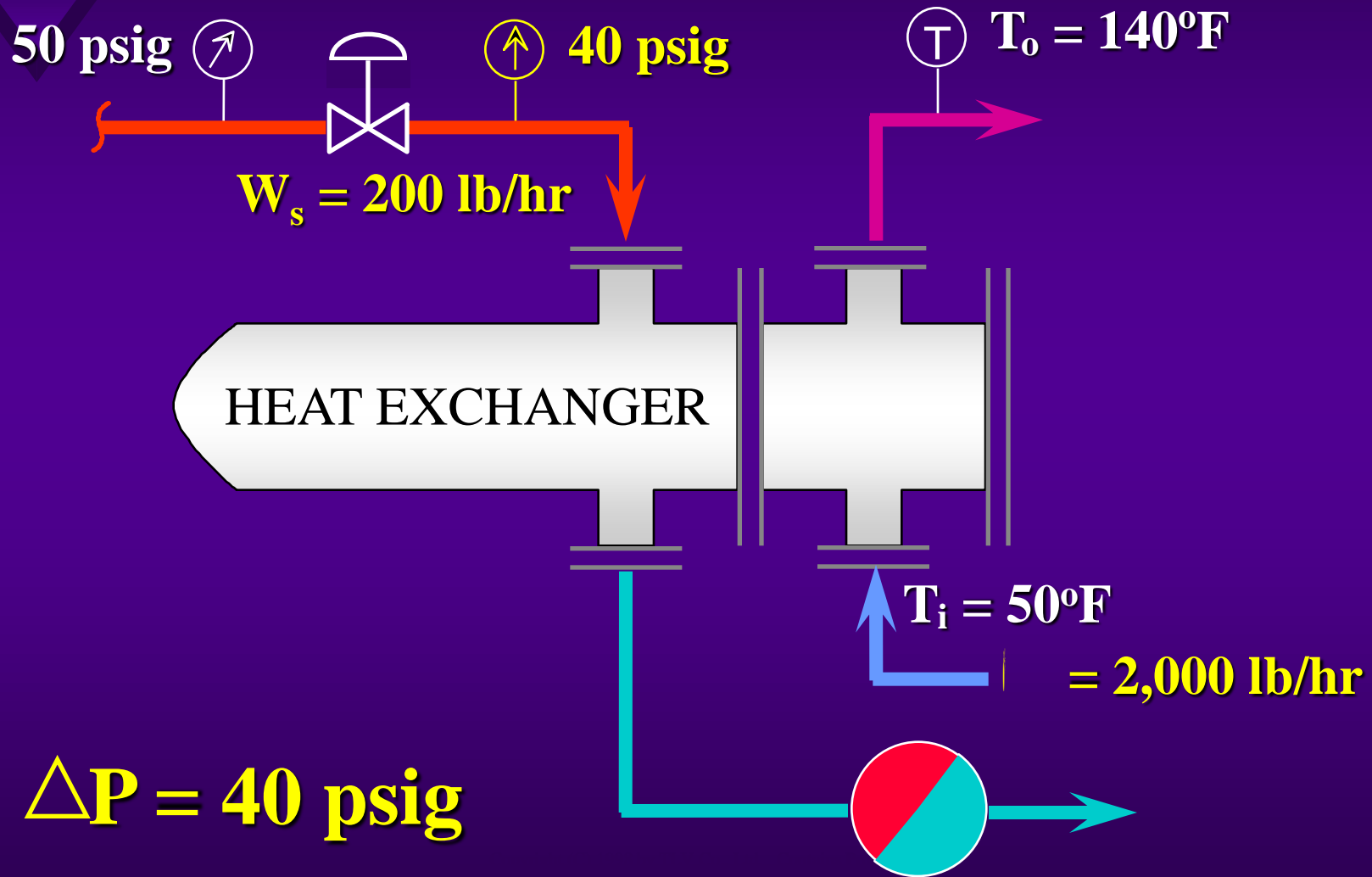
NO FLOW!



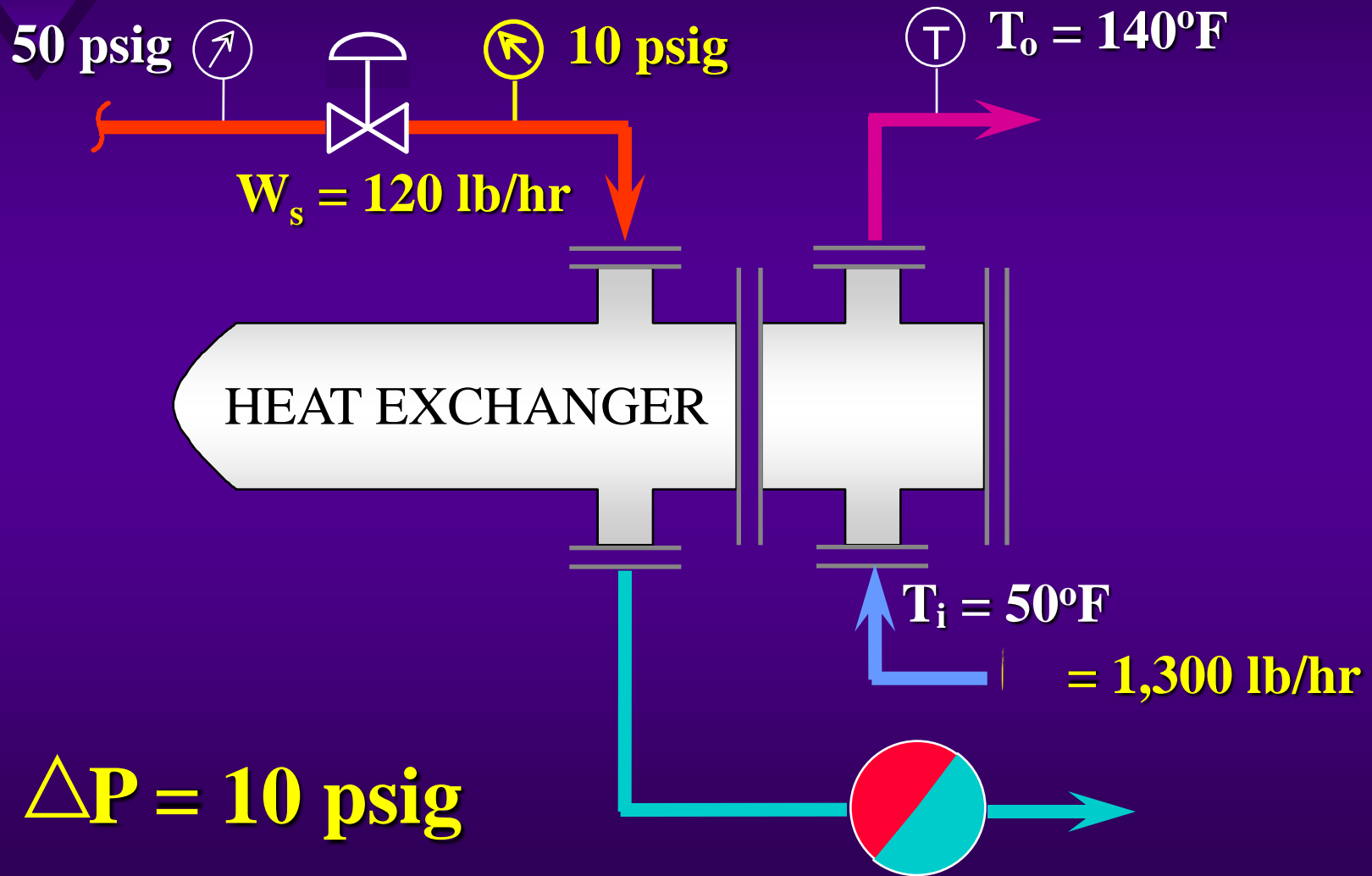
EQUIPMENT DRAINAGE



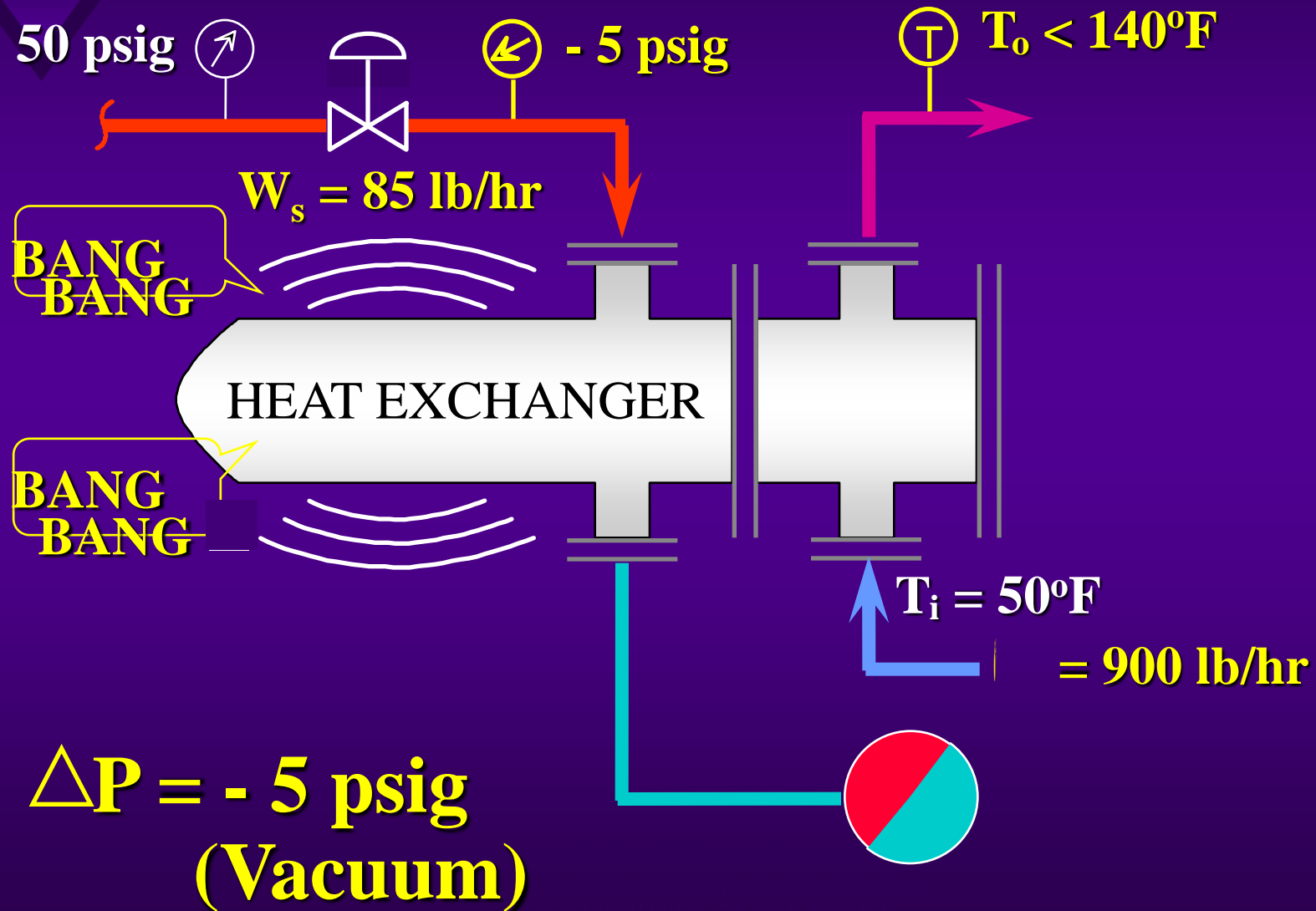
EQUIPMENT DRAINAGE

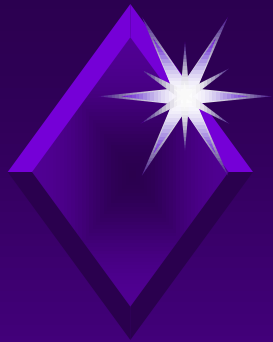


EQUIPMENT DRAINAGE



EQUIPMENT DRAINAGE





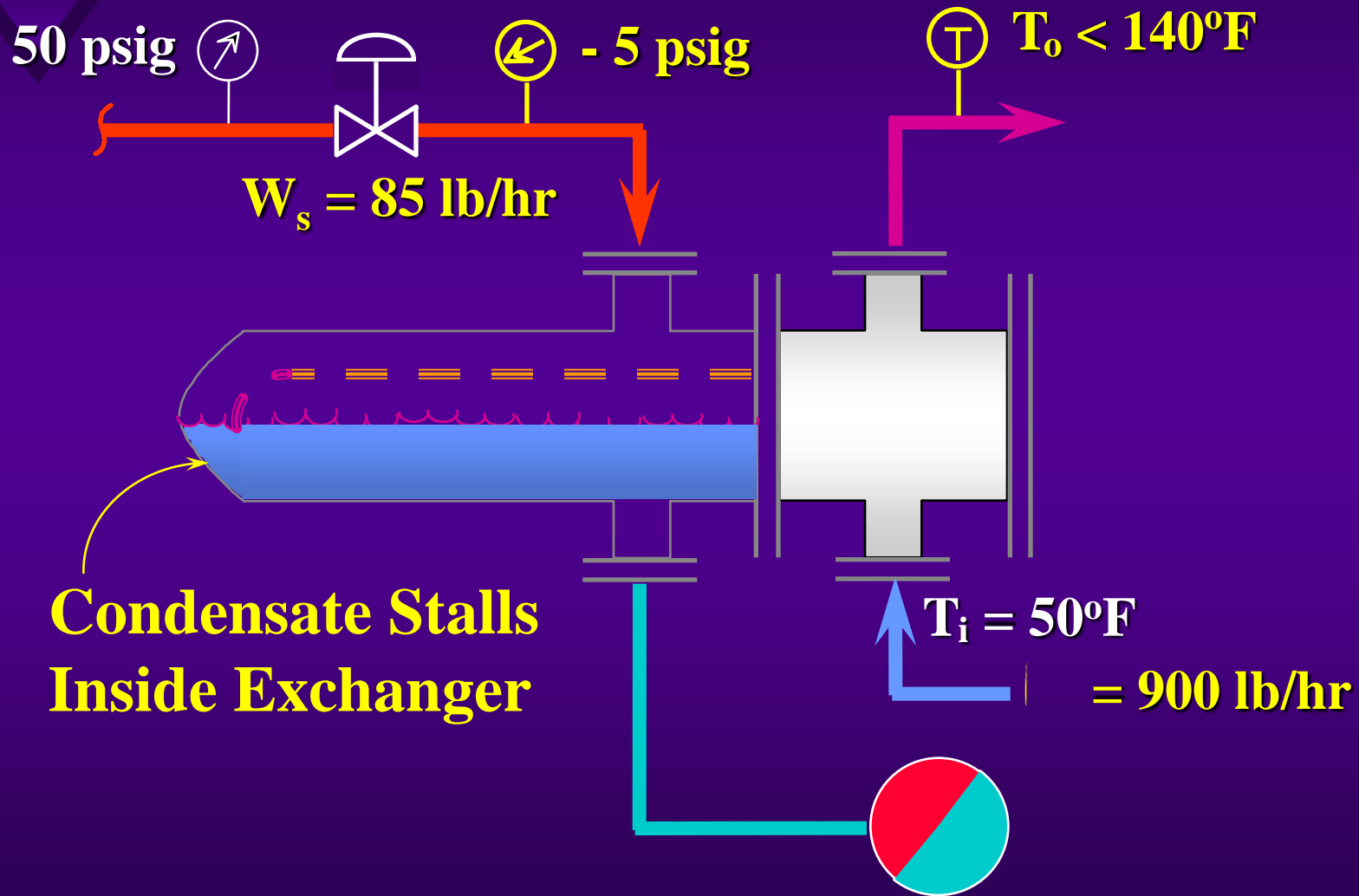
What's the Problem?

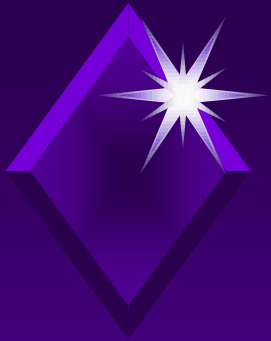
- ◆ Bad Trap?
- ◆ Bad Day?
- ◆ Full Moon?

Hmm



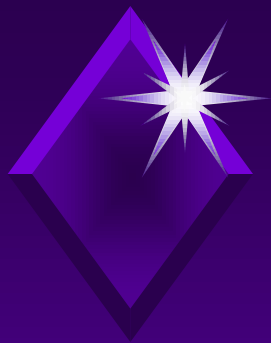
DRAINAGE PROBLEM



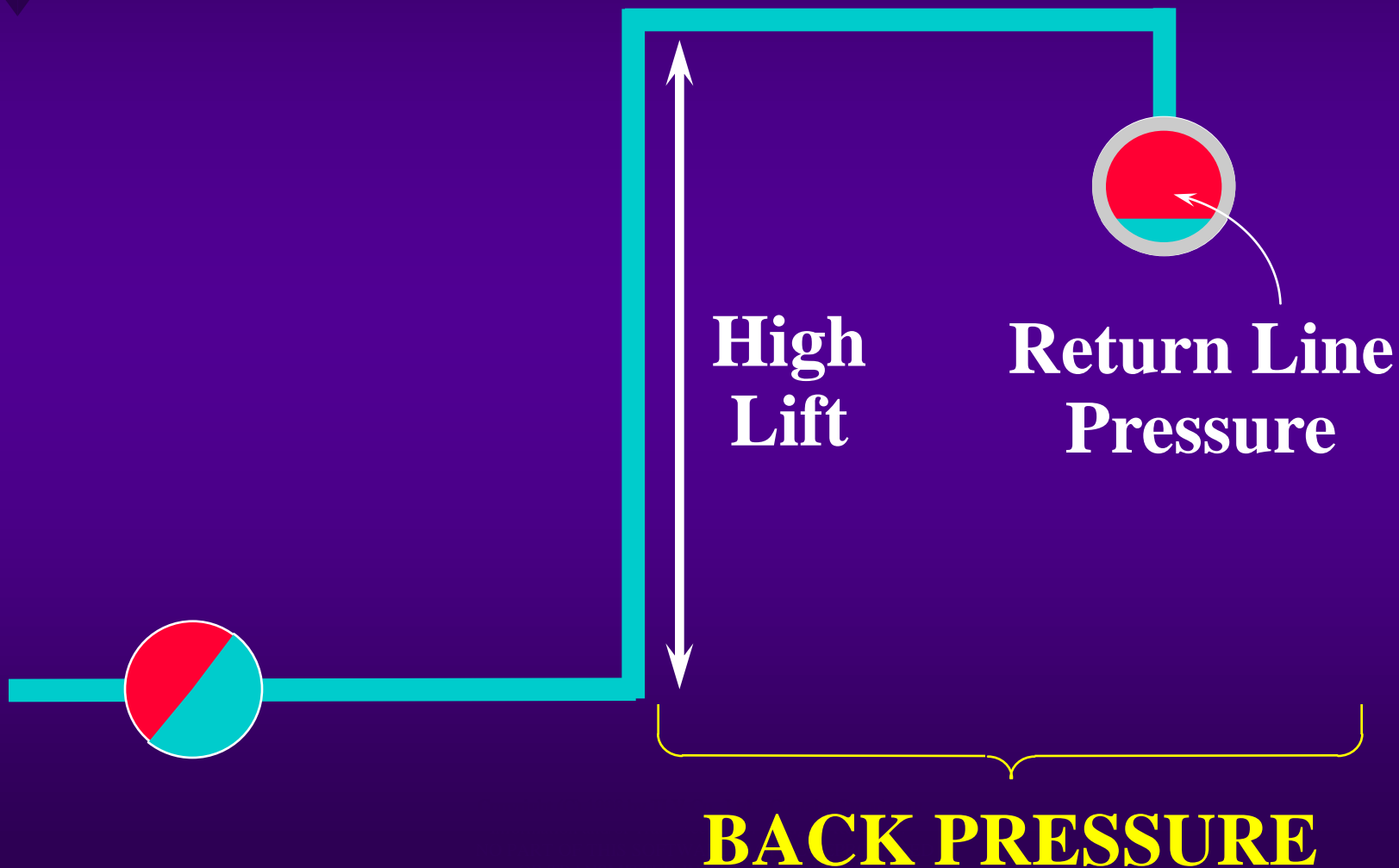


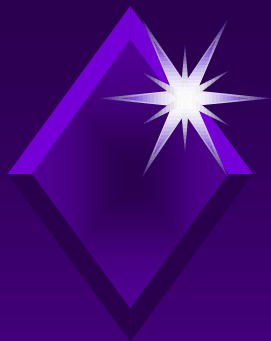
STALL

Occurs whenever the inlet pressure at the steam trap becomes equal to or less than the back pressure at the trap

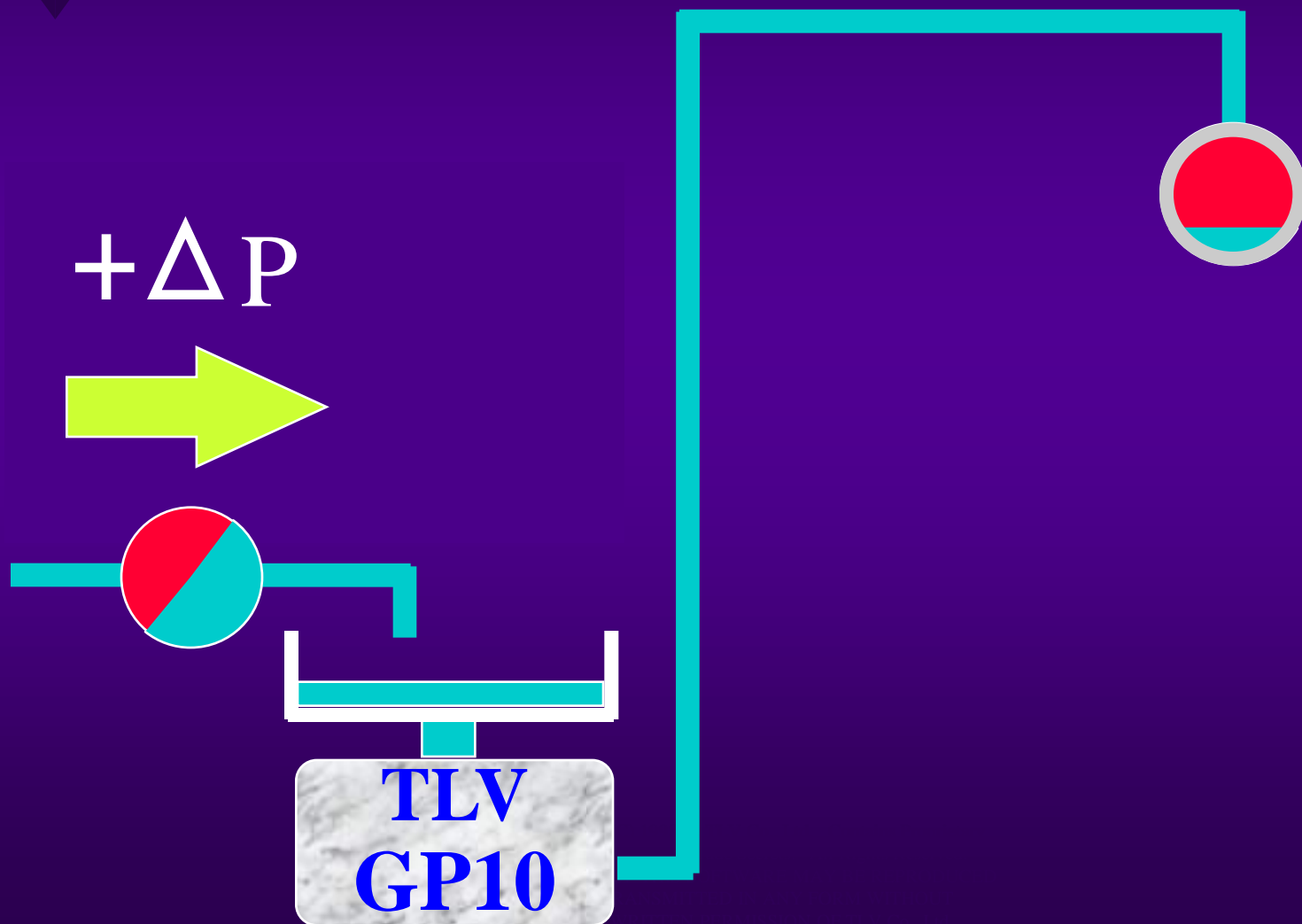


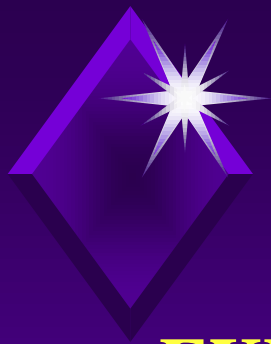
CAUSES OF PROBLEMS





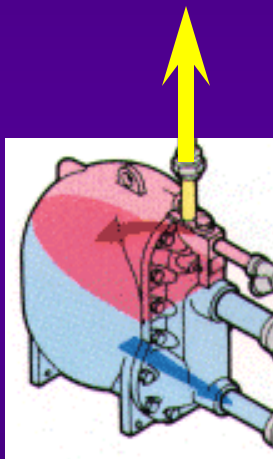
PROBLEM SOLUTION





GP10 APPLICATION

**EXHAUST LINE
(BALANCE LINE)**



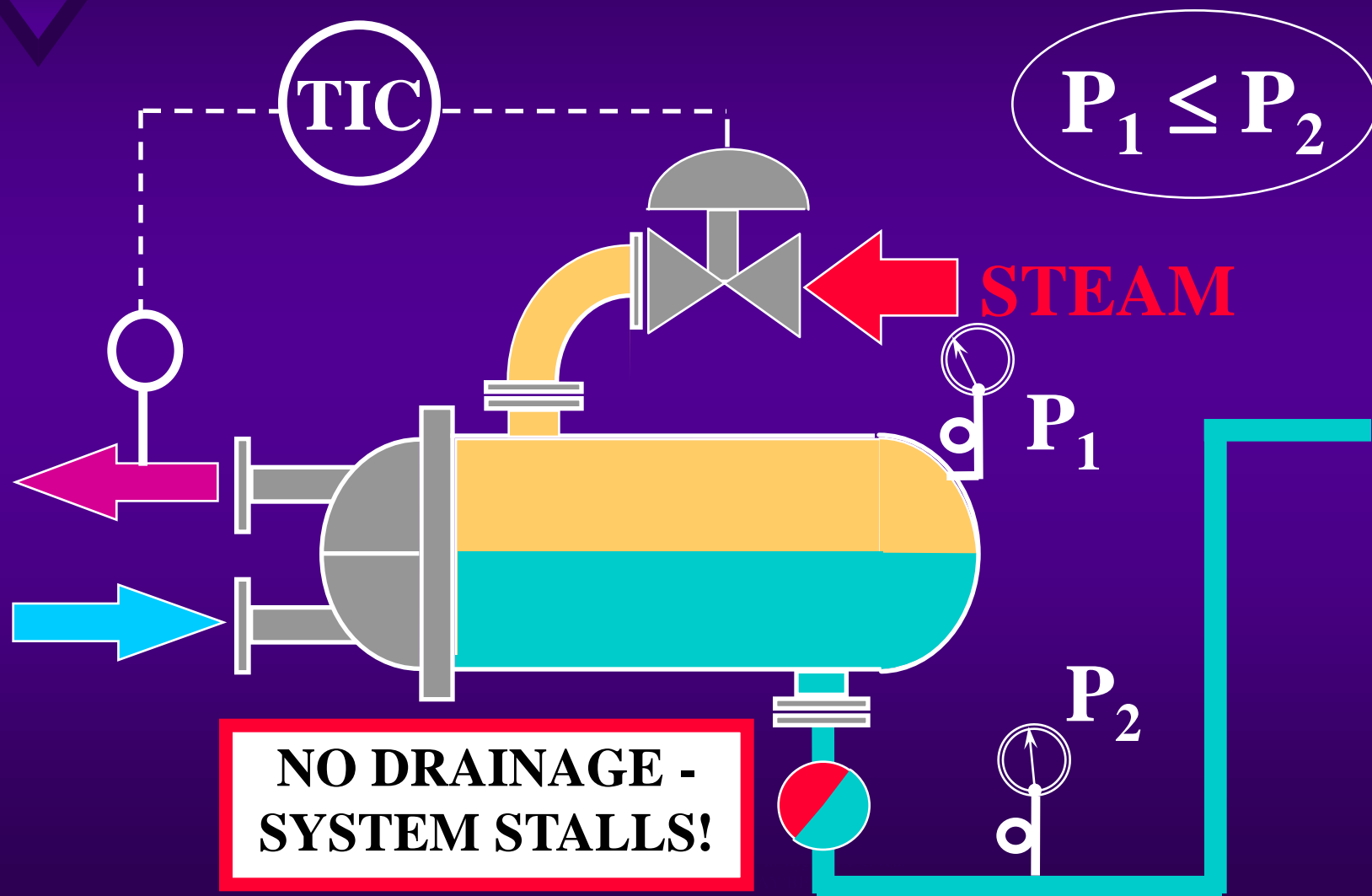
MOTIVE STEAM

CONDENSATE IN

**PUMPED CONDENSATE
OUT**



HEAT EXCHANGER





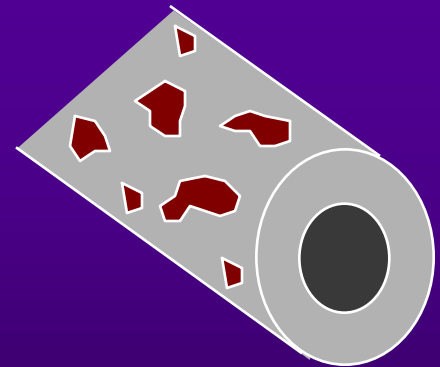
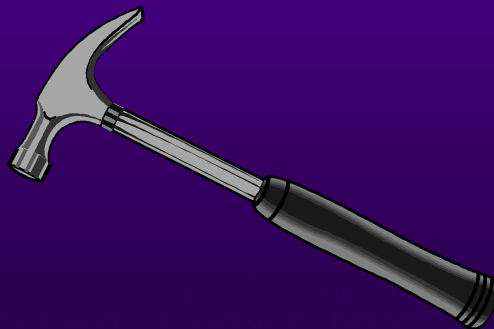
SYSTEM STALL

STALL LEADS TO:

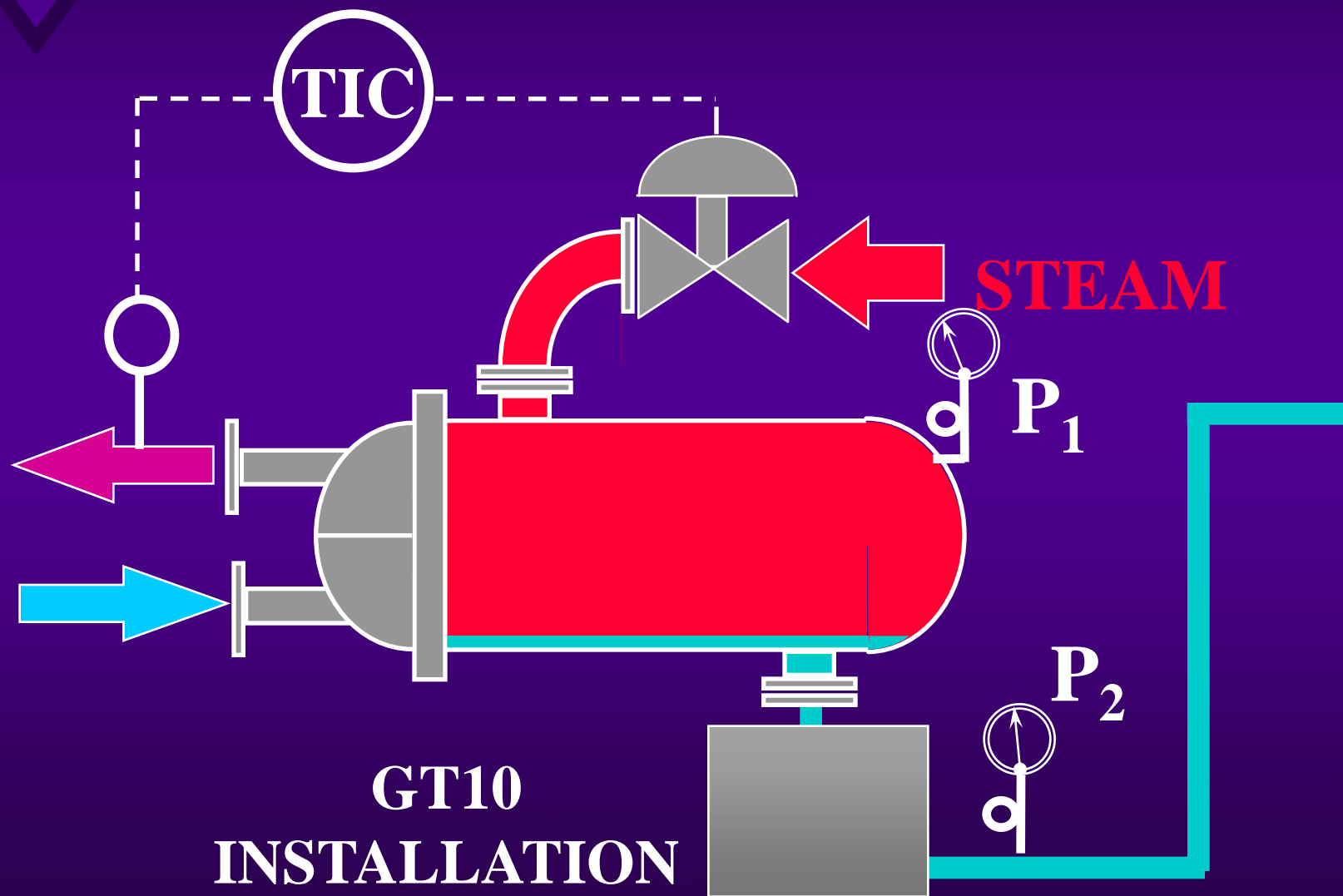
**POOR
TEMPERATURE
CONTROL**

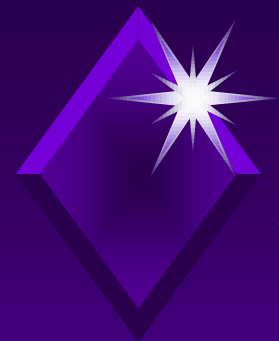
CORROSION

**WATER
HAMMER**



STALL SOLUTION



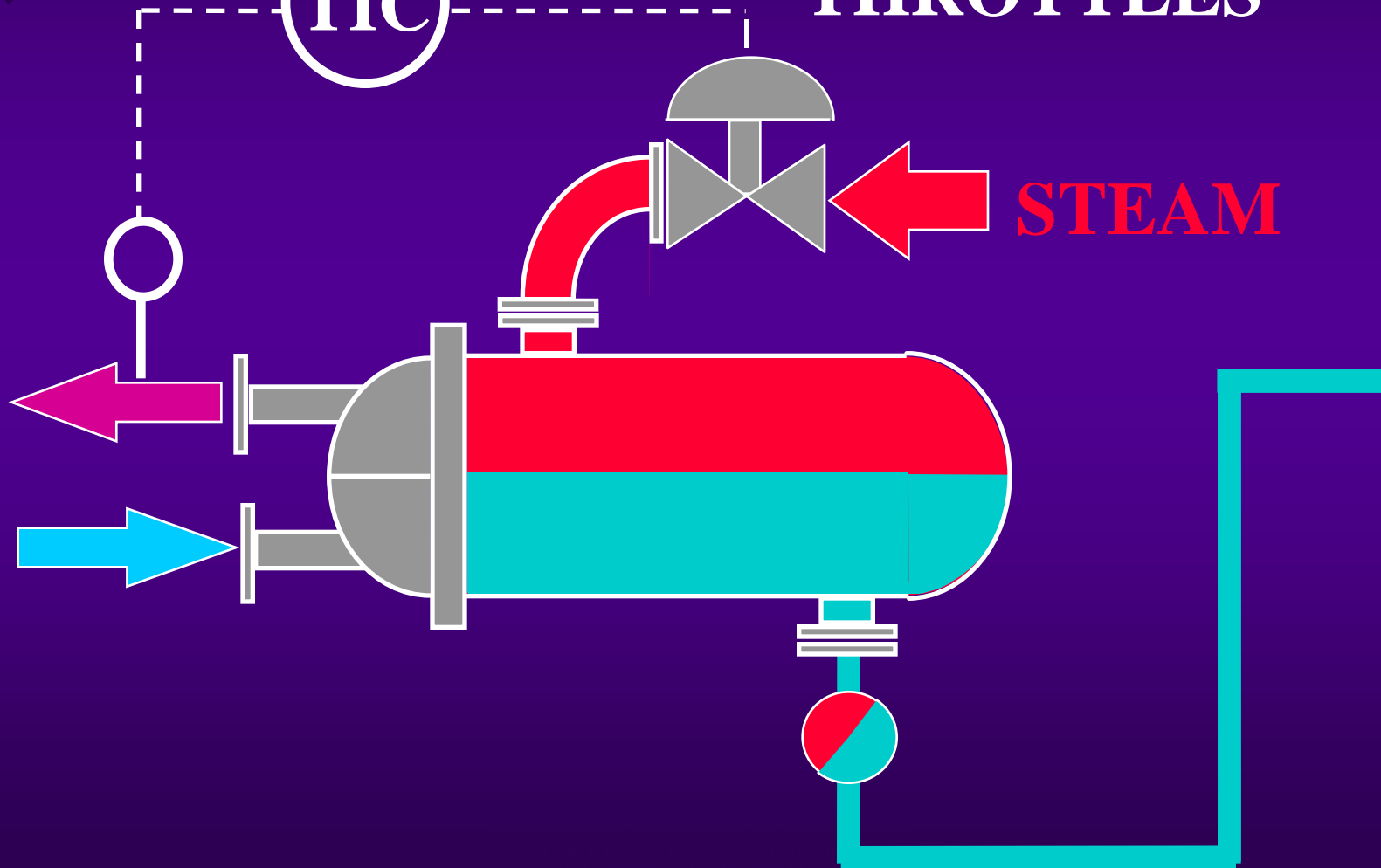


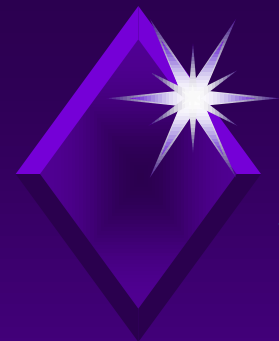
REVIEW

TIC

THROTTLES

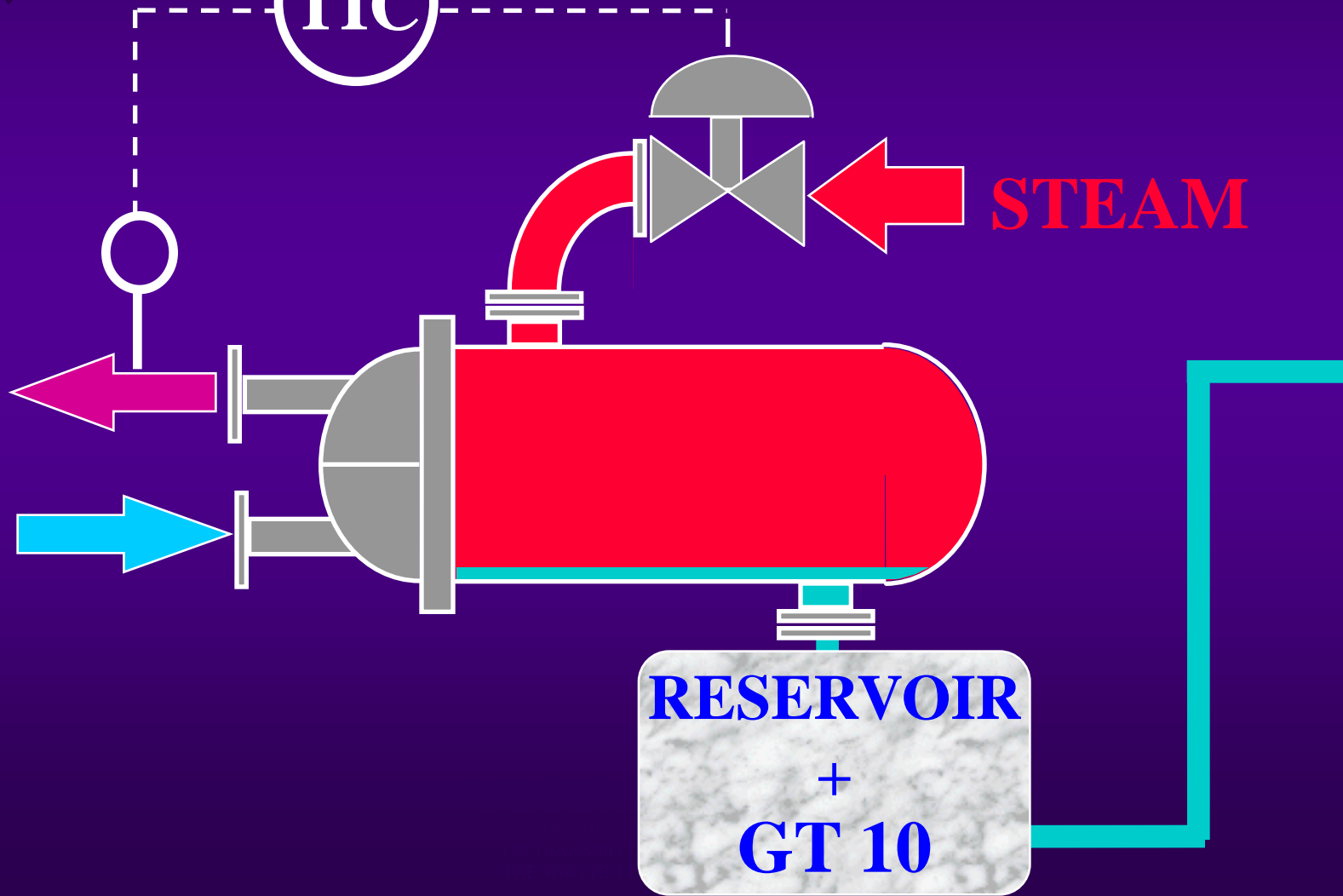
STEAM

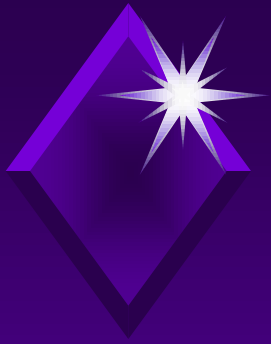




REVIEW

TIC





Thank you!

Bay Valve Service, LLC

TLV®