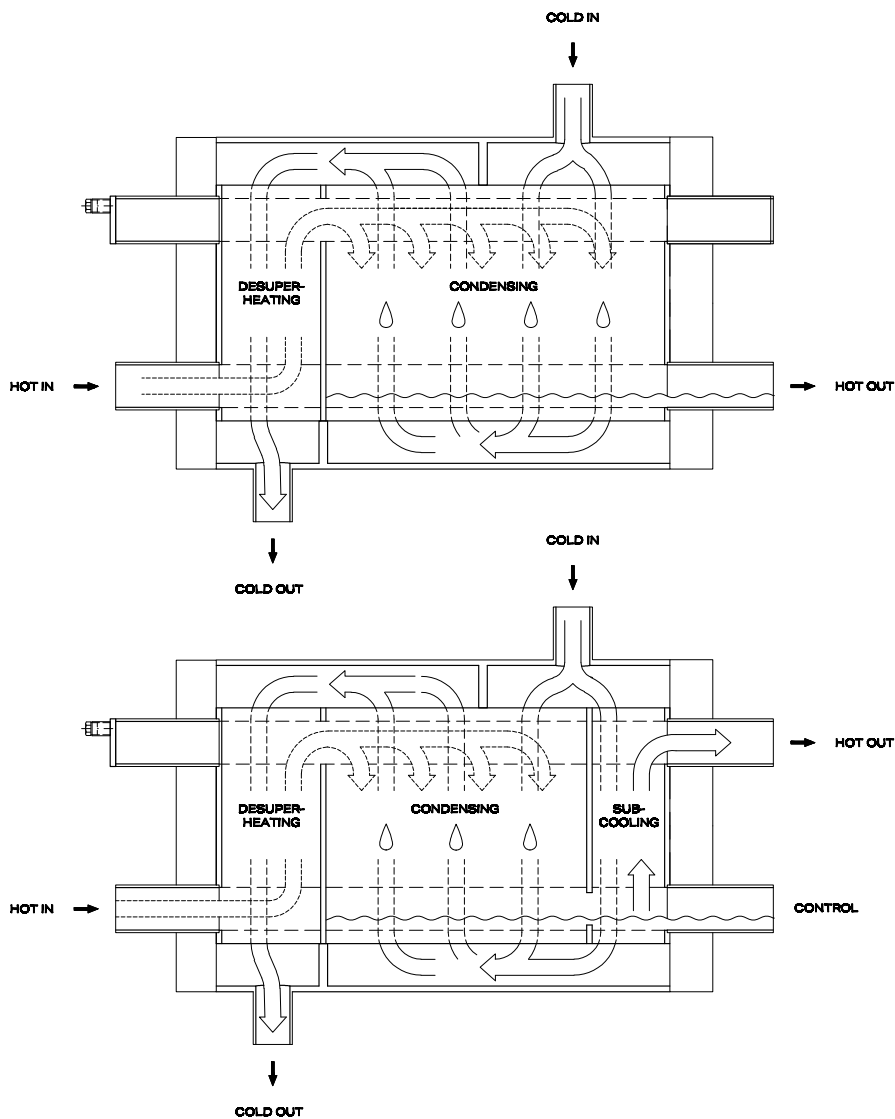


Vahterus PSHE Multi-Condenser

The Vahterus PSHE Multi-Condenser is a new model of ammonia condenser developed primarily for the growing heat-pump market, but suitable for other condensing applications such as steam condensers. The new Multi-Condenser allows for multiple variations: desuperheater + condenser + subcooler, desuperheater + condenser or condenser + subcooler.

It improves the heat-pump system's COP (Coefficient of performance), desuperheating, condensing and subcooling the ammonia in a single unit. It is a compact single solution that creates savings in piping, space and insulation.

The new product offers increased safety and a service-free future for the customer. The fully welded plate construction has no gaskets that require service or create possible leakage risk for the surrounding environment.



VAHTERUS

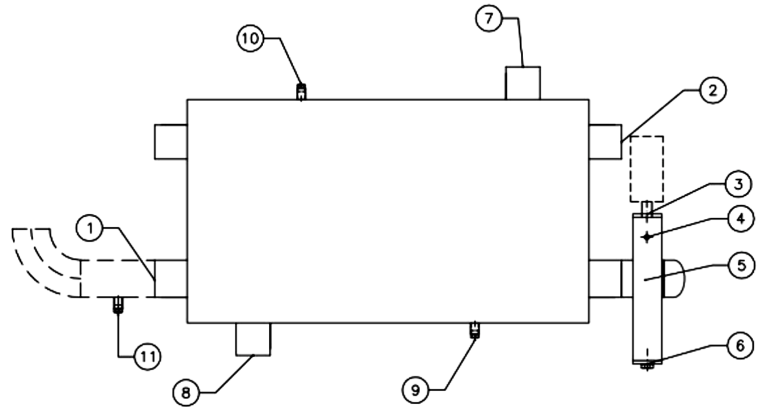
Connections in Multi-Condenser

Ammonia side connection:

1. Ammonia Gas inlet (Discharge line)
2. Condensate outlet (Subcooled refrigerant)

Optional if Vahterus received selected:

3. 1" BSP connection for level controller
4. 1/4" BSP Purge connection
5. Condensate receiver
6. 1/2" Drain / Oil evacuation connection



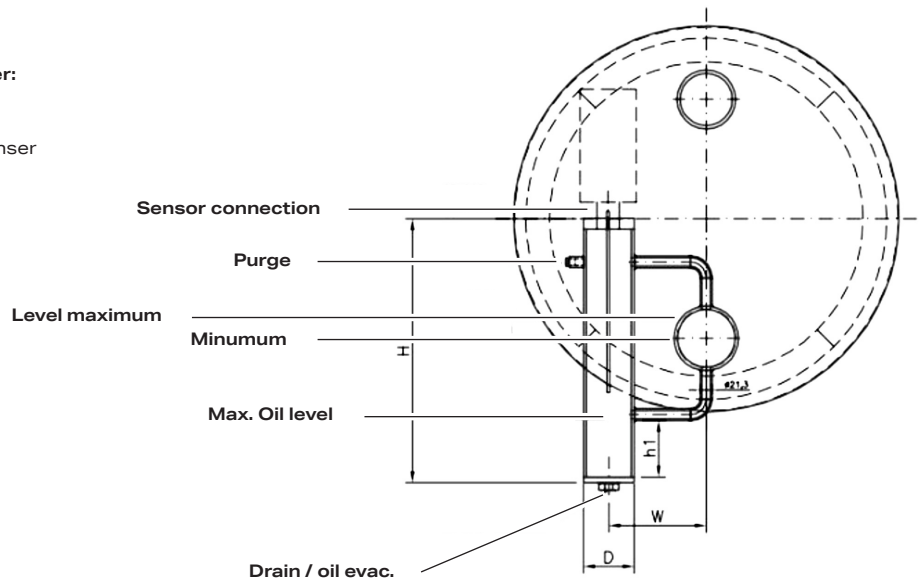
Water or Brine side connection:

7. Cold Inlet
8. Cold Outlet
9. 1/2" BSP Drain connection
10. 1/2" BSP Purge connection

Recommended connection for customer:

Out of Vahterus scope

11. Drain connection before multi-condenser



Vahterus Liquid Receiver

	H	h1	D	W	L	Sensor Connection	Purge Connection	Drain Connection
Size 3	423	100	60.3	158	188	1"	1/4"	1/2"
Size 4	451	100	60.3	158	261	1"	1/4"	1/2"
Size 5	467	100	88.9	172	189	1"	1/4"	1/2"
Size 6	502	100	88.9	172	206	1"	1/4"	1/2"
Size 7	581	150	114.3	205	219	1"	1/4"	1/2"