

APPLICATIONS

An atmospheric condenser and feed pumps are combined with the cascade tank as a single unit, which helps to minimize the installation space required.

Wasted condensation water, which has heated up fuel oil for the main engine or other components, is led to the atmospheric condenser to be cooled.

Then, the oil mixed in with the condensation water is removed with sponges in the buckets installed in the cascade tank. The clean water is fed to the auxiliary boiler via the feed pump.

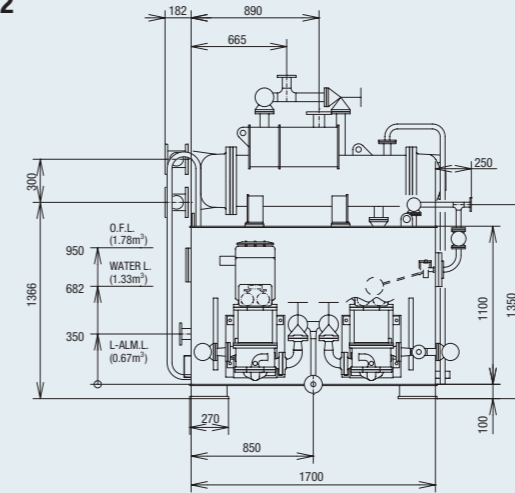


GENERAL CHARACTERISTICS

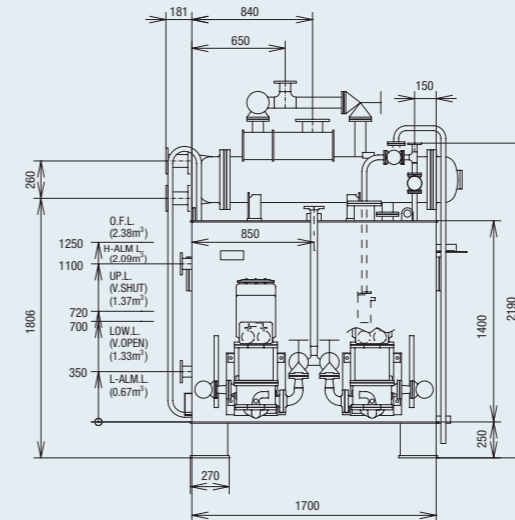
Item	Model	UC 102	UC 152	UC 202
Cascade tank	Overflow capacity (m ³)	2.0	2.6	2.9
	Effective water quantity (m ³)	1.0	1.5	2.0
Feed pump	Number of pumps supplied	CW:1, CCW:1		
	Pump type	Centrifugal		
	Capacity (m ³ /h)	2.5	2~6	2~10
	Total head (m)	110	100~140	100~140
Atmos. Condenser	Max.output (kW)	18.5		
	Type of condenser	Shell & tube		
	Cooling surface (m ²)	8~10	8~10	8~14
	Steam drain quantity (kg/h)	1000	1200~1800	1200~2500
Weight	Cooling S.W.required (m ³ /h)	25	35~55	45~70
	Dry (kg)	2000	2550	3300
	Operating (kg)	3850	4850	6550

UC 102~202

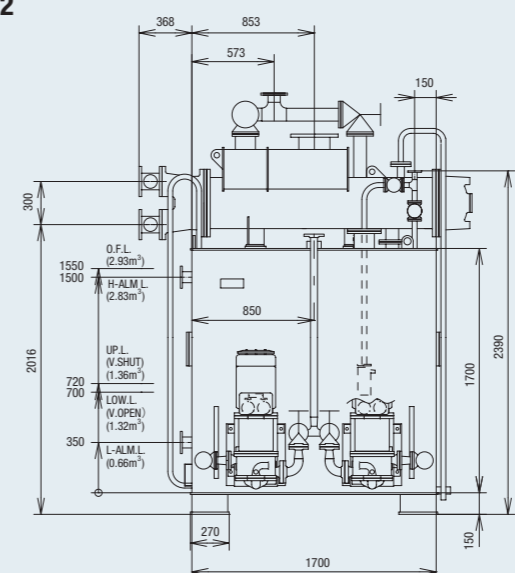
UC 102



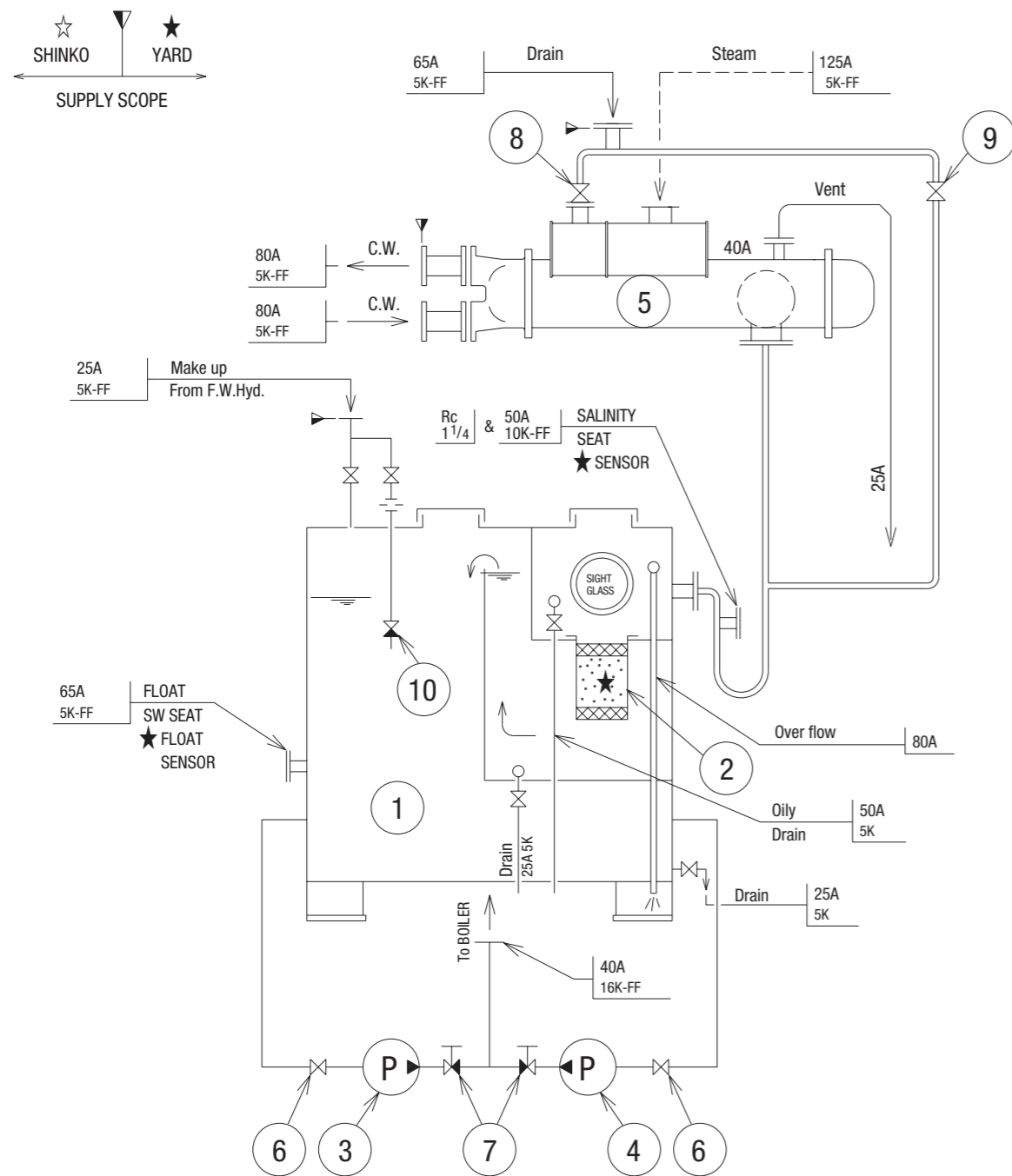
UC 152



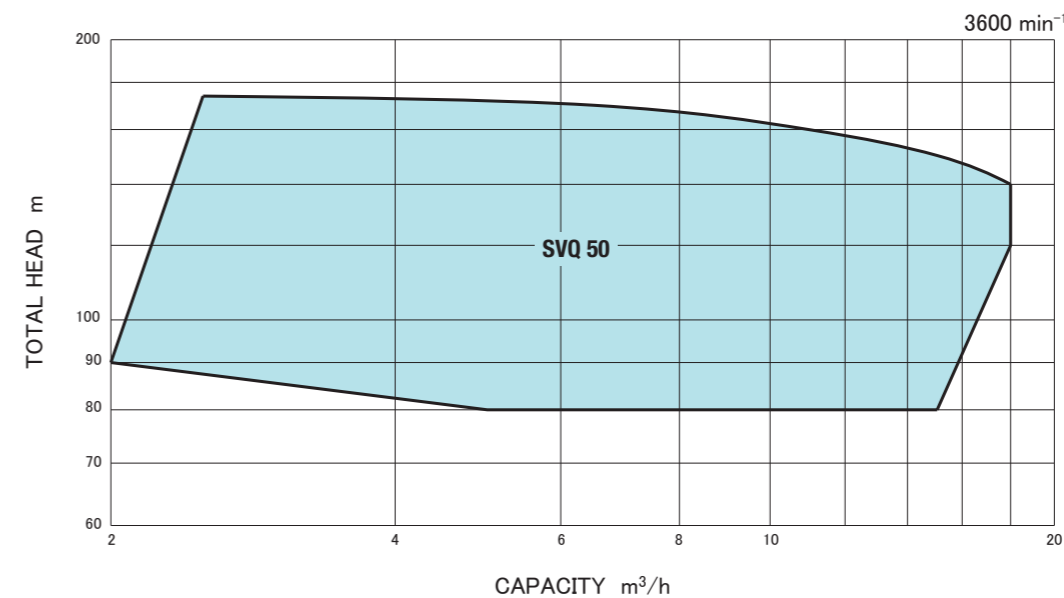
UC 202



SYSTEM DESIGN (in the case of UC 152)



PERFORMANCE CHART



PART NO.	NAME OF PART	REQ.NO. FOR 1UNIT	PART NO.	NAME OF PART	REQ.NO. FOR 1UNIT
1	CASCADE TANK	1	6	SUCTION VALVE	2
2	BUCKET	3SETS	7	DISCHARGE SCREW DOWN CHECK VALVE	2
3	No.1 FEED PUMP	1	8	DRAIN INLET VALVE	1
4	No.2 FEED PUMP	1	9	DRAIN BY-PASS VALVE	1
5	ATMOS. CONDENSER	1	10	LEVEL CONTROL VALVE	1