

CDU 选型核对表

名义容量只是起点。请把热负载、系统曲线、设施条件、冗余和维护边界放在同一张表中评审。

01 架构

[]	液液或液气，机架级、列级或设施级	Owner / Date: _____
[]	当前负载、扩容路线和最大公共故障域	Owner / Date: _____
[]	TCS/FWS 介质隔离和压力边界	Owner / Date: _____

02 热水力

[]	额定及部分负载换热能力	Owner / Date: _____
[]	二次侧目标流量和可用压差	Owner / Date: _____
[]	换热器接近温差、泵效率和控制范围	Owner / Date: _____
[]	过滤器清洁与堵塞状态的系统曲线	Owner / Date: _____

03 可靠性与控制

[]	N+1 对象是泵、电源、控制器还是整机	Owner / Date: _____
[]	传感器、告警、联锁、旁通和并机逻辑	Owner / Date: _____
[]	露点、泄漏、失流、失电和通信恢复	Owner / Date: _____

04 安装维护

[]	接口方向、管路荷载、运输和就位	Owner / Date: _____
[]	滤芯、泵阀和传感器可维护通道	Owner / Date: _____
[]	冲洗、充液、排气、取样和备件	Owner / Date: _____
[]	BMS/DCIM 协议、网络和权限边界	Owner / Date: _____

说明：本清单用于项目输入和评审，不构成产品容量、性能或交付承诺。最终参数以批准的项目规范、产品版本和测试记录为准。

CDU selection worksheet

Nameplate duty is only a starting point. Review load, system curve, facility conditions, resilience and service boundaries together.

01 ARCHITECTURE

☐	L2L or L2A; rack, row or facility level	Owner / Date: _____
☐	Present load, growth path and largest common fault domain	Owner / Date: _____
☐	TCS/FWS fluid separation and pressure boundaries	Owner / Date: _____

02 THERMAL-HYDRAULIC

☐	Rated and part-load heat-transfer duty	Owner / Date: _____
☐	Secondary target flow and available differential pressure	Owner / Date: _____
☐	Heat-exchanger approach, pump efficiency and control range	Owner / Date: _____
☐	System curves with clean and loaded filters	Owner / Date: _____

03 RESILIENCE AND CONTROLS

☐	Whether N+1 covers pumps, power, controls or complete units	Owner / Date: _____
☐	Sensing, alarms, interlocks, bypass and parallel logic	Owner / Date: _____
☐	Dew point, leakage, loss of flow, power and communications recovery	Owner / Date: _____

04 INSTALLATION AND SERVICE

☐	Port direction, piping loads, transport and placement	Owner / Date: _____
☐	Access to filters, pumps, valves and sensors	Owner / Date: _____
☐	Flushing, filling, venting, sampling and spares	Owner / Date: _____
☐	BMS/DCIM protocols, networks and access boundaries	Owner / Date: _____

Note: this checklist supports project definition and review. It is not a product capacity, performance or delivery commitment. Final parameters depend on approved project specifications, product versions and test records.