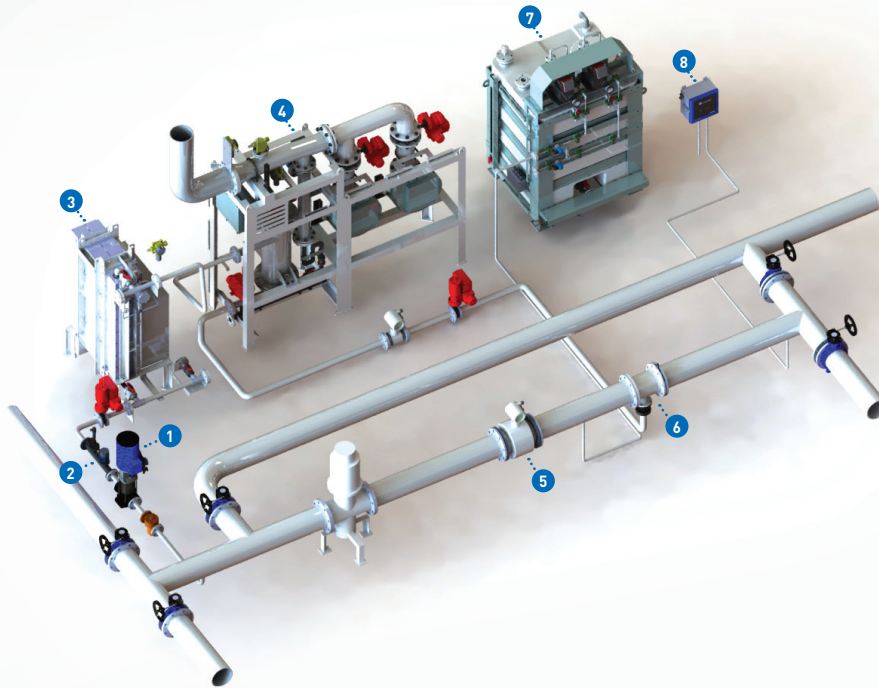


TECHCROSS

ECS – HYCHLOR 2.0 SYSTEM

**U.S. Coast Guard
APPROVED**

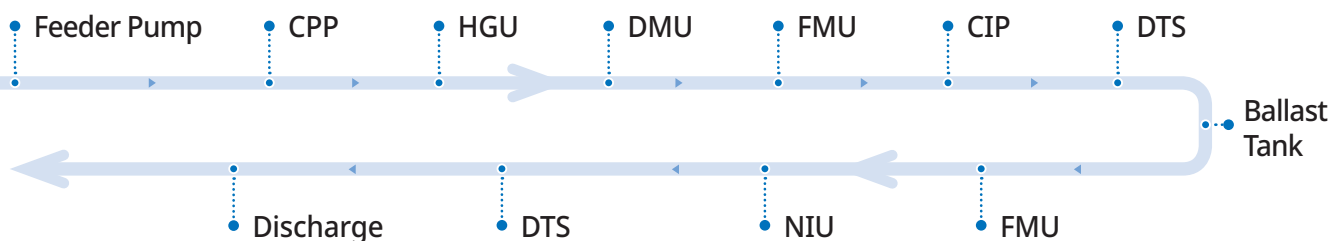


» Side-stream BWMS

- ① Feeder Pump
- ② Conductivity & Pressure Pipe (CPP)
- ③ Hypochlorite Generation Unit (HGU)
- ④ Degas Module Unit (DMU)
- ⑤ Flow Meter Unit (FMU)
- ⑥ Chemical Injection Pipe (CIP)
- ⑦ Neutralization Injection Unit (NIU)
- ⑧ DPD TRO Sensor (DTS)

Flow Diagram

» Ballasting



» Deballasting

Specification

Target TRO	9.5 mg/L (8 ~ 10 mg/L)	Holding Time	≥ 23 hours
Salinity	Not applicable	Neutralization Performance	≤ TRO 0.1 mg/L
Feed Salinity	≥ 8 PSU	Neutralizing Agent	Sodium Thiosulfate
Temperature	Not applicable	System Flow Capacity	250 ~ 8,000 m ³ /h
Ambient Temperature	0 ~ 55°C	Working Pressure	1 ~ 6 bar
Electrolyte Feed Temperature	≥ 3°C	Power Consumption	4.2 kW / 100 m ³ /h (30 PSU)

Advantages



Non-filter System

Similar to ECS, HYCHLOR 2.0 can not only save installation cost but also eliminate the burden of maintenance and AS troubles associated with filter.



2 Types of BWMS

Leveraging unique electrode technology, Techcross has completed the lineup of electrolysis BWMS, incorporating both full-flow electro-chlorination technology and side-stream electro-chlorination technology. These systems have also obtained USCG type approval.



Global No.1 References

With the global No.1 sales and installation references, the quality of Techcross BWMS has been already verified for its excellence.



Global Network

Techcross overseas offices are located in global major bases, with over 30 AS service partners ready to assist you around the world.

Features

Original Technology



- Enhanced accuracy and durability with in-house developed DTS.
- Outstanding measurement capability, with domestic NEP (New Excellent Product) and NET (New Excellent Technology) certifications.
- Improved maintenance and service responses speed.

Easy Replacement



- Easy installation without interfering with the main piping.
- In the event of continued troubles with existing installed BWMSs, considering equipment replacement might be wise choice.
- When replacing with HYCHLOR, special services such as free engineering support, warranty period, and training opportunities are provided.

