

**PROJECT**  
**CCL Miracle**

**LOCATION**  
Freeport Shipyards Bahamas  
Then in-service on the American  
coasts and Gulf of Mexico

**CUSTOMER**  
RM srl Unipersonale

**DESIGN PRESSURE**  
PN 10/16

**DESIGN RANGE [mm]**  
DN 25 - 800

**PRODUCT**  
Fibermarine GRVE

**APPLICATION**  
Two Scrubber systems

**CONSTRUCTION DATE**  
2019/2020

**END USER**  
Carnival Cruise Lines



**DESCRIPTION**

Fiberdur has been awarded the contract to manufacture and supply loose materials for the retrofit scrubber conversion of the CCL vessels.

**SCOPE OF SUPPLY**

- Engineering
- Delivery of loose materials in cooperation with RM (Genoa) for Installation work
- Supervision of GRP works on site from RM

**ADVANTAGE**

- Non-corrosive
- Coating inside/outside not required
- Cathodic protection not required
- Smooth inner surface
- Extremely light weight
- Easy to install
- Maintenance-free