



Warminster Fiberglass
Water and Wastewater Treatment Products
Keeping Americas' Water Clean

SECTION 13411 INSTRUMENT CONSOLES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Instrument consoles.

1.2 RELATED SECTIONS

1.3 REFERENCES

- A. ASTM D 638 - Standard Test Method for Tensile Properties of Plastics.
- B. ASTM D 790 - Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Test results of fiberglass reinforced plastic laminate.
- C. Shop Drawings: Show:
 - 1. Critical dimensions, jointing and connections, fasteners and anchors.
 - 2. Materials of construction.
 - 3. Sizes, spacing, and locations of structural members, connections, attachments, openings, fasteners, and loads.
- D. Manufacturer's installation instructions.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products indoor and protect from construction traffic and damage.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Provide products manufactured by Warminster Fiberglass Company; P.O Box 188, Southampton PA 18966-0188; ASD. <http://www.warminsterfiberglass.com/> Tel. (215) 953-1260, Fax. (215) 357-7893.
- B. Requests for substitution will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

2.2 INSTRUMENT CONSOLES

Warminster Fiberglass
P.O. Box 188
Southampton PA 18966-0188
725 County Line Road
Phone: 215-953-1260 | Fax: 215-357-7893



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A. Fiberglass Material:

1. Tensile strength (ASTM D 638): 9,000 psi.
2. Flexural strength (ASTM D 790): 15,000 psi.
3. Flexural modulus (ASTM D 790): 900,000 psi.

A. Construction: Totally enclosed molded fiberglass reinforced plastic instrument panels.

1. One-piece molded construction. No metal strips required to form mechanical joints.
2. Smooth satin, gel-coated outside surfaces; no exposed glass fibers.
3. 1/2-inch radius rounded corners; cutout edges sanded and smooth.
4. Recessed, lift-off access doors with Southco Type 44 latches.
5. Nominal wall thickness, instrument-mounting surface: 1/4-inch.
6. Nominal wall thickness, elsewhere: 1/8-inch.
7. Access doors: Front and rear.
8. Open bottom construction; 2 1/2-inch mounting flange and factory drilled anchor holes.
9. Color: Beige, or as required.
10. Color: _____.
11. Table-top type, 36-inches wide: Model WFC1010BB.
12. Table-top type, 48-inches wide: Model WFC1015BB.
13. Table-top type, 66-inches wide: Model WFC1020BB.
14. Low breakfront type, 36-inches wide: Model WFC1010CB.
15. Low breakfront type, 48-inches wide: Model WFC1015CB.
16. Low breakfront type, 66-inches wide: Model WFC1020CB.
17. High breakfront type, 36-inches wide: Model WFC1010DB.
18. High breakfront type, 48-inches wide: Model WFC1015DB.
19. High breakfront type, 66-inches wide: WFC1020DB.
20. Surface finish: Matte.
21. Surface finish: Satin.
22. Gasket on doors.
23. Galvanized power struts.
24. Fiberglass power struts.
25. Instrument cutouts.
26. 1/4-inch thick fiberglass sub-panel, mounted on power struts.
27. 1/8-inch thick steel sub-panel, mounted on power struts.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that dimensions are correct and project conditions are suitable for installation. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install products in accordance with manufacturer's instructions.

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B. Ensure that products are installed plumb and true, free of warp or twist, within tolerances specified by the manufacturer and as indicated in the contract documents.

C. Anchor consoles to floor with expansion anchors.

3.3 ADJUST AND CLEAN

A. Clean surfaces in accordance with manufacturer's instructions.

B. Remove trash and debris, and leave the site in a clean condition.

END OF SECTION

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