



Woodhead® Watertite® Wet-Location Wiring Devices set the standard for the roughest, wettest and most abrasive environments and meet NEMA type 4, 4X, 6, 6P, IP65, IP66, and IP67 standards

Electrical connections that are exposed to harsh environments both indoor and outdoor require a watertight connection to eliminate or reduce the risk of electrical shock. The Woodhead® Watertite® product line is the first in the industry allowing for a totally integrated watertight safety system with robust enclosures, plugs, receptacles, cover plates and GFCI modules to be applied exactly at the source required within customer applications. When used properly, these devices are designed to reduce the occurrences of serious injury or death associated with electrical accidents. Woodhead® Watertite® wet-location products are rated for high-pressure hose-down applications up to 1,000 psi, achieving IP66 protection.

Features and Benefits

FD BOXES (multi-ganged configurations)

Three box configurations available (single-, two- and three-gang)	Allows for installation flexibility. Provides 30% more capacity volume over FS boxes
NEMA 4, 4X, 12P, IP66 enclosure rated	Meets UL and CSA standards when used in conjunction with Woodhead® Watertite® devices
Dynamically vulcanized thermoplastic (TPV) gaskets	Provides maximum watertight and dust-tight seal between frame and box
1" diameter unthreaded conduit openings, with 3/4" and 1/2" reducers (includes closure plugs for unused openings)	Provides design flexibility with multiple conduit types
Modular frame design	Allows for custom configuration for power distribution boxes specific to customers' applications
Stainless-steel mounting plates	Withstands harsh environments. Corrosion-resistant

FD BOXES (single configuration and multi-ganged configurations)

External flange with mounting holes	Allows for multiple wall-mounting options
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COVERPLATES AND GFCI MODULE

Manual GFCI reset button	Supports 15.0 and 20.0A; 120V options
Neoprene gasket	Provides maximum watertight protection

Woodhead® Watertite® Wet-Location Wiring Solution

- 130128** FD (deep depth) Non-metallic Boxes with Closure Plugs and Reducers
- A. 130137/130138** GFCI Coverplate Module and Standard Coverplates
- B. 130143** Cordsets
- C. 130146/130147** Plugs
- D. 130146/130147** Connectors
- E. 130146/130147** Receptacles
- F. 130128** FD Non-metallic Boxes



Watertite® Single-, Two- and Three-Gang FD Boxes with Closure Plugs and Reducers



RECEPTACLES

Spring-loaded flip-lid covers with built-in lock-out/tag-out design

Provides patented triple-seal protection in wet-location environments

CORDSETS

Integrated strain relief

Provides 93.0kg (205 lbs) of pull-out strength. Seals cord without damaging the cord.

PLUGS AND CONNECTORS

NEöTEX® Paracril OZO rubber housing

Provide GFCI protection. Provide ultimate temperature, chemical and abrasion resistance. Reduces occurrences of serious injury or death associated with electrical accidents

Multiple seal plug/connector interface

Locks out moisture and other contaminants; withstands high-pressure wash down up to 1000 psi (pounds per square inch)

Floating blade construction

Provides self-alignment and better mechanical and electrical connection

Applications

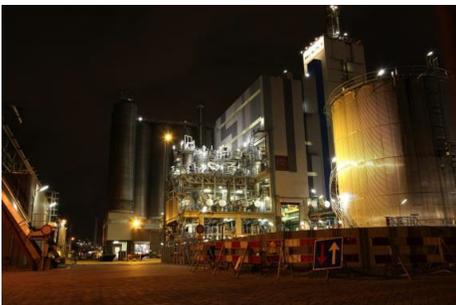
Indoor/Outdoor Environments

- Chemical Facilities
- Gas and Oil Refineries
- Agriculture Environments
- Water Treatment Facilities
- Outdoor Events

Food and Beverage

- Processing Equipment
- Meat and Poultry Processing Plants

Construction Locations



Chemical Processing Equipment



Beverage Processing Equipment



Outdoor Events

FD Boxes (multi-ganged configurations)

Reference Information

Packaging: Individual box

Environmental

Enclosure Rating: NEMA 4, 4X, 12P, IEC IP66

cULus File No.: E117594

Physical

Box Housing: Rigid Polyvinyl Chloride (PVC)

Box: Reducers/Plugs: Rigid Polyvinyl Chloride (PVC)

Frame (2- and 3-gang): Polybutylene terephthalate (PBT)

Gasket (2- and 3-gang): Thermoplastic elastomers (TPE)

Threaded Inserts: Brass

Mounting Plate: Stainless Steel

Color: Yellow or Black

Box Capacity Volume:

Single gang - 426.06 cm³ (26.0 in³)

Two gang - 1,102.85 cm³ (67.3 in³)

Three gang - 1,787.83 cm³ (109.1 in³)

Grounding Wire (Green): 12 AWG

Stranded Copper, (0.203 m) 8" Long

Operating Temperature: -29 to +60°C

FD Boxes (single configuration)

Reference Information

Packaging: Individual box

Physical

Box Housing: Phenolic Resin

Color: Black

Box Capacity Volume:

Single gang - 283.49 cm³ (17.3 in³)

Operating Temperature: -29 to +60°C

Cover Plates

Reference Information

Packaging: Bag

Environmental

Rating: General industrial duty

Physical

Double-sided portable outlet box:

NEōTEX® Paracril OZO rubber

Receptacle Coverplate: Nylon, polycarbonate, polypropylene

Cover and Receptacle Face Screws: Stainless Steel

Woodhead® Watertite® Wet-Location Wiring Solution

Receptacles

Reference Information

Packaging: Bag

Environmental

UL File No.:

Cordset - E3805

Plug and Connector - E10176

Receptacles - E68122

CSA File No.: LR6837

Physical

Double-sided portable outlet box:

NEōTEX® Parvacril OZO rubber

Outer Housing: Lexan†

Face Screws: Stainless Steel

Face Insert: Nylon

Wire Saddle Clamp: Brass

Cordset, Plug, Connector

Reference Information

Packaging: Bag

Environmental

UL File No.:

Cordset - E3805

Plug and Connector - E10176

Receptacles - E68122

CSA File No.: LR6837

Physical

Cord Grip Body Size: F2 ½"

Plug Blades and Connector Contacts:

Nickel-plated Brass

Outer Housing and Grommet:

NEōTEX® Paracril OZO rubber

FD Boxes

Engineering No.	Order No.	Gang Configuration	Capacity	Color
455-FD1	130128-0150	Single	426.06 cm ³ (26.0 in ³)	Yellow
455-FD2	130128-0151	Two	1,102.85 cm ³ (67.3 in ³)	
455-FD3	130128-0152	Three	1,787.83 cm ³ (109.1 in ³)	
455-FD1BLK	130128-0160	Single	426.06 cm ³ (26.0 in ³)	Black
455-FD2BLK	130128-0161	Two	1,102.85 cm ³ (67.3 in ³)	
455-FD3BLK	130128-0162	Three	1,787.83 cm ³ (109.1 in ³)	

Additional Watertite® Products

	Order No.	Component	Comments
	130137 / 130138	Watertite® GFCI Coverplate Module	Single GFCI coverplate module and standard overplates
	130143	Watertite® Cordset	Various NEMA configuration and cable length 0.91m (3.0') to 30.48m (100')
	130146 / 130147	Watertite® Plug	Various NEMA and Non-NEMA configurations
	130146 / 130147	Watertite® Connectors	
	130146 / 130147	Watertite® Receptacles	
	130128	Watertite® FD Boxes	Available with ½" and ¾" conduit reducers