ZF806/ZF812 Pre-Sloped Fiberglass
Industrial Drainage Solutions
Heavy-Duty Performance Drainage System

Innovation
• Innovative Z-Frame transfers load directly to the concrete
• Proprietary vinylester resin provides self-extinguishing fire protection and advanced chemical resistance
• Optimized system design withstands temperatures up to 210°F

Labor
• Save up to 75% installation time compared to cast-in-place systems while maintaining structural integrity
• Longer, lightweight pieces allow for lower job site inventory, ease of system alignment, and reduced worker fatigue
• Integral rebar clips for elevation set and final adjustment
• Easy to clean with no specialized tools needed

Versatility
• Factory installed sidewalls for longer runs and increased hydraulic capabilities
• Appropriate for applications requiring loading from DIN EN-1433 pedestrian Class A to 200,000 lb wheel-loading Class F, including FAA, ADA, H-20 and USA compliant options

System Highlights

Heavy-Duty Frame
Integral Rebar Clips
Factory Fabrications
Termination Fittings
Mechanical Interlocking Connection
System Accessories
ENGINEERING SPECIFICATION: Zurn ZF806 Channels shall be 120” long, 6” wide and have a 4” throat. Modular channel sections shall be made of Fiber Reinforced Polymer (FRP). Shall have a positive mechanical connection between channel sections that will not separate during the installation. Channels shall weigh less than 2.31 lbs./linear foot, have a smooth, 1-1/2” radiused self cleaning bottom with a Manning's coefficient of .009 and .75% or neutral 0% built in slope. Shall be provided with standard DGC grates that lock down to frame. Zurn 6” wide reveal Ductile Iron Slotted Grate conforming to ASTM specification A536, Grade 80-55-06. Ductile Iron grate is rated class C per the DIN EN 1433 top load classifications. Supplied in 20’ nominal lengths with 1/2” wide slots, and 3/4” bearing depth. Grate has an open area of 28.6 sq. in per ft. [60,521 sq. mm per meter]. The #10 gage thick Heavy-Duty Carbon Steel Frame Assembly conforms to ASTM specification A36. Frames shall mechanically lock into the concrete surround at a maximum spacing of every 20” with 16 concrete anchors per 120”. Frames shall have rebar attachment brackets as standard to secure trench in its final location. Grate lockdown bars are to be integral to the frame. The frame is supplied with a powder coated finish. All welds must be performed by a certified welder per ASTM standard AWS D1.1. Frames and Channels shall be produced in the U.S.A.

**ACCESSORIES and FINISHES**

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**SUFFIX OPTIONS**

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<td>-VP</td>
<td>Vandal-Proof Lockdown</td>
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**DECORATIVE GRATE OPTIONS** (Length Classifications are per DIN EN1433)

- **-BCD** | Bronze Circular Decorative Grate - Class A |
- **-BDD** | Bronze Diagonal Decorative Grate - Class A |
- **-BZ** | Bronze Decorative Grate - Class A (USA Only) |
- **-DCD** | Ductile Iron Circular Decorative Grate - Class C |
- **-DDD** | Ductile Iron Diagonal Decorative Grate - Class A |
- **-DOG** | Ductile Iron Decorative Grate - Class A |
- **-DVW** | Ductile Wave Decorative Grate - Class A |
- **-HPB** | Heel-Proof Bronze Slotted Grate - Class A |
- **-HPS** | Heel-Proof Stainless Steel Slotted Grate - Class A |
- **-NBZ** | Nickel Bronze Decorative Grate - Class A (USA Only) |
- **-PSR** | Perforated Stainless Steel Raised Grate - Class A (USA Only) |
- **-SBG** | Stainless Steel Bar Grate - Class E |
- **-SCD** | Stainless Steel Circular Decorative Grate - Class B |
- **-SDD** | Stainless Steel Diagonal Decorative Grate - Class B |
- **-SOG** | Stainless Steel Decorative Grate - Class B |
- **-SWG** | Stainless Steel Wire Grate - Class A (USA Only) |

*NEWLY FURNISHED UNLESS OTHERWISE SPECIFIED*
ENGINEERING SPECIFICATION: Zurn ZF812 Channels shall be 120” long, 12” wide reveal and have a 9-1/4” throat. Modular channel sections shall be made of Fiber Reinforced Polymer (FRP). Shall have a positive mechanical connection between channel sections that will not separate during the installation. Channels shall weigh less than 5.05 lbs [2.29kg] per linear foot, have a smooth, 3” radiused self cleaning bottom with a Manning’s coefficient of .009 and 1.04% or neutral 0% built in slope. Shall be provided with standard DGC grates that lock down to frame. Zurn 12” wide reveal Ductile Iron Slotted Grate conforming to ASTM specification A536, Grade 80-55-06. Ductile iron grate is rated class C per the DIN EN 1433 top load classifications. Supplied in 24” nominal lengths with 13/16” wide slots, and 1-1/2” bearing depth. Grate has an open area of 81.1 sq. in per ft. [171,618 sq. mm per meter]. The #7 gage thick Heavy-Duty Carbon Steel Frame Assembly conforms to ASTM specification A36. Frames shall mechanically lock into the concrete surround at a maximum spacing of every 21” with 14 anchors per 120”. Frames shall have rebar attachment brackets as standard to secure trench to its final location. Grate lock down bars are to be integral to the frame. The frame is supplied with a powder coated finish. All welds must be performed by a certified welder per ASTM standard AWS D1.1. Frames and Channels shall be produced in the U.S.A.

ACCESSORIES and FINISHES

Frame Options
-CWF White Acid Resistant Coated Top Frame

Grate Options (Load Classifications are per DIN EN1433)
-ADA Meets Americans with Disabilities Act Requirements - Class C (USA Only)
-BG Galvanized Steel Bar Grate - Class D
-DC Ductile Iron Solid Cover - Class C
-DGC Ductile Iron Slotted Grate - Class C* (USA Available)
-DGE Ductile Iron Slotted Grate - Class E (USA Available)
-DGF Ductile Iron Slotted Grate - Class F
-FS Fabricated Galvanized Steel Slotted Grate - Class A (USA Only)
-FS Fabricated Stainless Steel Slotted Grate - Class A (USA Only)
-GADA Galvanized Ductile ADA Slotted Grate - Class C (USA Only)
-GDCC Ductile Galvanized Slotted Grate - Class C (USA Available)
-GDE Galvanized Ductile Slotted Grate - Class E (USA Available)
-GDF Galvanized Ductile Slotted Grate - Class F
-GG Galvanized Ductile Slotted Grate - Class A
-GHPDE Galvanized Heel-Proof Ductile Slotted Grate - Class E
-HPD Heel-Proof Ductile Slotted Grate - Class C
-HPDE Heel-Proof Ductile Slotted Grate - Class E
-PG Perforated Galvanized Steel Grate - Class A (USA Only)
-PS Perforated Stainless Steel Grate - Class A (USA Only)
-RFG Reinforced Galvanized Slotted Grate - Class B (USA Only)
-RFS Reinforced Stainless Steel Slotted Grate - Class B (USA Only)
-RPG Reinforced Galvanized Perforated Grate - Class B (USA Only)
-RPS Reinforced Stainless Steel Perforated Grate - Class B (USA Only)
-SBG-L Stainless Steel Bar Grate - Class B (USA Only)

SUFFIX OPTIONS
Outlet Adapters
-E1 Closed End Cap
-E4 4” No-Hub Bottom Outlet
-E6 6” No-Hub Bottom Outlet
-E8 8” No-Hub Bottom Outlet

*MISCELLANEOUS OPTIONS
-DB Bottom Dome Strainer
-JC Joint Connector
-SW Sidewall Extensions - 11-1/4” High
-VP Vandal-Proof Lockdown

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

Zurn Fiberglass 12” Wide Linear Drainage System

COMMON APPLICATIONS
- Highways • Driveways • Kitchens • Pools • Parking Lots • Gas Stations
- Airports • Hangers • Industrial Parks • Chemical Plants • Food Processing
- Shopping Malls • Industrial Plants • Pharmaceuticals • Amusement Parks
Zurn Fiberglass Linear Drainage Accessories

Catch Basins

Zurn Z817 Catch Basins available in 6" X 20", 12" X 24" and 24" X 24" for in-line sump applications. Available in polyester or vinylester fiberglass.

Sediment Buckets

Zurn sediment buckets and in-line strainer screens prevent solids from entering waste lines, preventing clogs. Designated by -DB or -Y

Sidewall Extensions

Factory installed sidewall extensions (-SW) allow longer, deeper runs up to 270 ft.

Fiberglass Joint Sealer/Repair Kit

Zurn optional fiberglass joint sealer/repair kit allows installer to seal section joints and produce smooth transitions.

Cleanout Shovel

Zurn trench cleanout shovels for use in heavy sediment laden applications to simplify debris removal.