



STAINLESS STEEL U-DRAIN

PRODUCT BROCHURE

Drains designed with sanitation in mind. Stainless Steel U-Drain is the perfect choice for applications where cleanliness is top priority.



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ABOUT U-DRAIN

Stainless Steel U-Drain™ is a SIMPLE, LOW MAINTENANCE, and COST-EFFECTIVE FOOD-GRADE solution for concrete floor drainage.

U-Drain stainless steel slotted drain is the ultimate solution for maintaining a clean and food-safe environment. Designed specifically for commercial kitchens, food processing facilities and other hygienic spaces, this innovative drainage system offers numerous benefits.

Created from high-quality stainless steel, it ensures exceptional durability, corrosion resistance, and easy maintenance. With its sleek and seamless design, stainless steel U-Drain perfectly integrates into your floor, minimizing the risk of dirt and debris buildup. This not only enhances the aesthetic appeal of your space, but also promotes efficient cleaning and eliminates potential breeding grounds for bacteria. The food-safe nature of stainless steel further guarantees that with proper cleaning practices, no harmful substances or residues will contaminate your food, ensuring the highest level of safety and hygiene for your facility.

U-Drain meets all of the **Canadian Food Inspection Agency (CFIA)** and international **Safe Quality Food Institute (SQFI)** as well as United States **Food and Drug Administration (FDA)** requirements for food handling and processing facilities. U-Drain is also certified internationally by the **National Sanitation Foundation (NSF)**.





WHY CHOOSE U-DRAIN?



DRAIN MATERIAL

All stainless steel U-Drain products are made from high quality 304 STAINLESS STEEL. For applications that deal with highly corrosive drainage and/or sanitary concerns where bacteria buildup must be prevented, stainless steel provides unmatched performance and durability.



SANITARY DRAINAGE

U-Drain's single slot intake minimizes bacteria build up and stays clean far longer than traditional grates. Unlike drainage system with grates, our sleek design reduces areas where bacteria can collect, making it a perfect drainage solution for **FOOD GRADE** applications.



CLEAN IN PLACE MAINTENANCE

U-Drain uses a clean in place method of cleaning which is ideal for conditions where sanitation and hygiene are of vital importance such as food processing facilities, breweries, wineries or pharmaceutical applications. Our grate free design limits areas where bacteria build up can occur, leading to a simple clean in place solution using our included paddle, as well as flush nozzle clean out solutions.

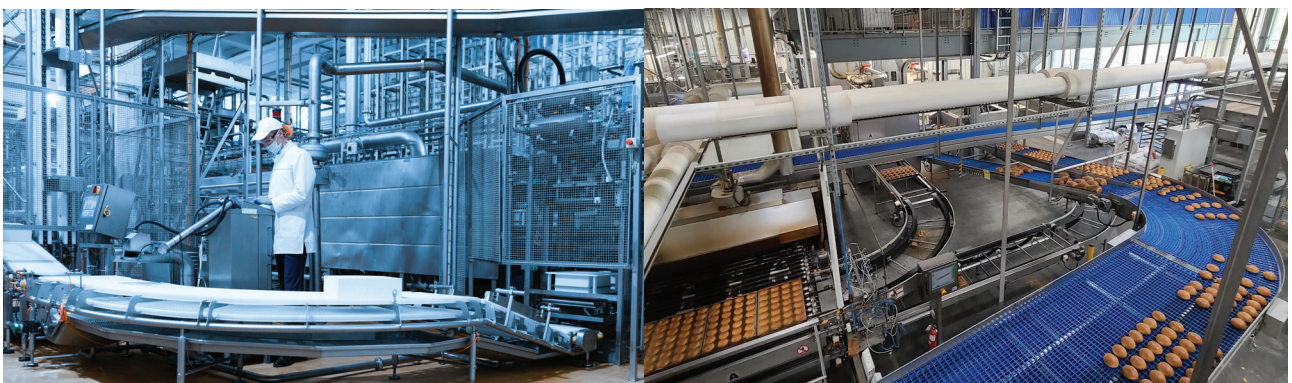
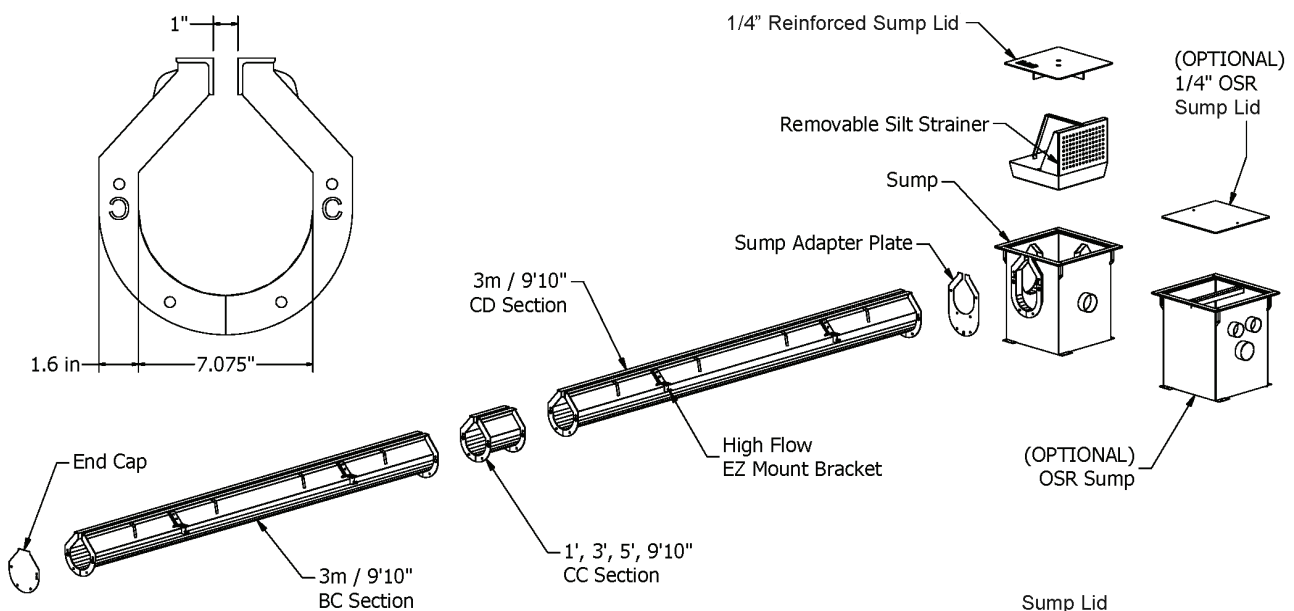
By eliminating the need to remove and sanitize grates, U-Drain offers a cleaning solution that is fast, effective and saves both time and labor costs. Use the U-Drain paddle to help move any solids or sediment towards the sump, activate the flush nozzle to flush any further particulates to the sump and insert the rubber drain stop to allow the entire U-Drain system to be filled with sanitation solution completely disinfecting your drain in a quick and easy process.

PRODUCT OVERVIEW

HIGH FLOW STAINLESS STEEL U-DRAIN

Our **High Flow** U-Drain is designed for large scale drainage applications. It is designed to meet and exceed CSA requirements, making it perfect for use in heavy traffic areas. **High Flow** U-Drain comes in standard 10' lengths that are pre-sloped at a rate of 0.5% (1/2" over 10'). This slope allows for continuous flow over longer distances and results in a self cleaning drain. Unsloped 5', 3' and 1' sections are used for extending along short distances where needed. The drain system begins with an end section that slopes toward a sump pit, with intermediate sloped sections inserted to lengthen the drain as desired. 120' of continuous one way slope and up to 240' of continuous slope with a center sump is available. With proper components, flow rates of over **950 GPM** are attainable.

The **High Flow** U-Drain system features a 1" slot opening. A wide variety of commercial sump pits and accessories are available, including silt strainers and oil separators.

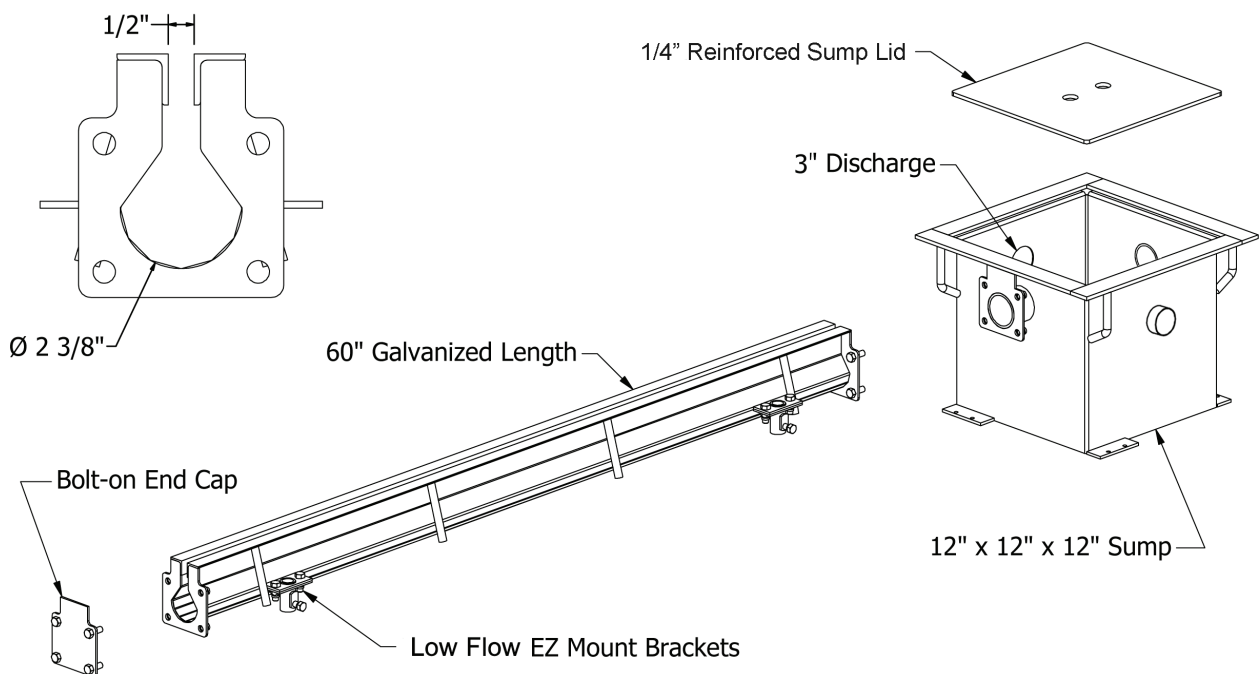


PRODUCT OVERVIEW

LOW FLOW STAINLESS STEEL U-DRAIN

Low Flow Stainless Steel U-Drain is designed for smaller scale drainage applications while still offering the same benefits and meeting all the same structural ratings and certifications as the High Volume system. **Low Flow** U-drain comes in standard 5' lengths. These sections are not pre-sloped due to most applications requiring less overall length for drainage to travel. A 5' section of Low Volume U-Drain has 30 square inches of intake for a maximum capacity of **240 GPM**.

The **Low Flow** U-Drain system features an ADA compliant 1/2" slot opening that is able to handle steady flow of drainage. This slot acts as the intake for the drainage to enter the trench and make its way to the sump pit. The standard **Low Flow** sump size is 12" x 12" x 12" with larger sizes and multiple inlet options available.



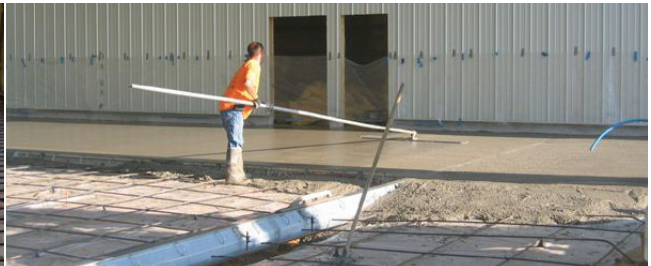
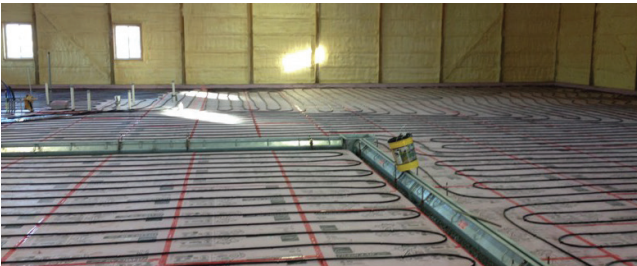
PRODUCT OVERVIEW

SEAMLESS INSTALLATION

Our NON-GRATED, PRE-ENGINEERED, PRE-SLOPED SLOTTED TRENCH DRAIN is installed into a concrete floor and designed to remove surface water through a single slot that opens into a trench which directs drainage into a connected sump. With its non-grated design and clean in place functionality, Stainless Steel U-Drain is the perfect drainage solution in applications where sanitation and food safety are required.

U-Drain systems consist of pre-sloped (High Volume) and/or neutral (Low Volume) sections, an adapter plate, end cap and a sump. Each of the drain system's components are bolt together to provide USER-FRIENDLY ASSEMBLY AND INSTALLATION.

INSTALLED INTO A FLOOR GRID PRIOR TO CONCRETE BEING POURED, the U-Drain system connects directly to the rebar grid. The drain can be used as a center screed when pouring concrete ensuring the installers keep a consistent slope of the floor to the drain. Once the concrete has been poured, the narrow slot opening is level with the floor, creating an aesthetically pleasing, low-profile intake.



STRUCTURAL INTEGRITY

U-Drain is **CSA TESTED and CERTIFIED IN BOTH CANADA AND THE UNITED STATES**. Our drains are CSA certified as Extra Heavy Duty (CSA B79-08) and Special Duty (ASME A112.6.3-2016). Special Duty is the highest ASME load class and requires the drain to have a safe live load of over 10,000 lbs. This rating is safe for all heavy traffic applications.



EXTRA HEAVY DUTY CERTIFIED

PRODUCT OVERVIEW

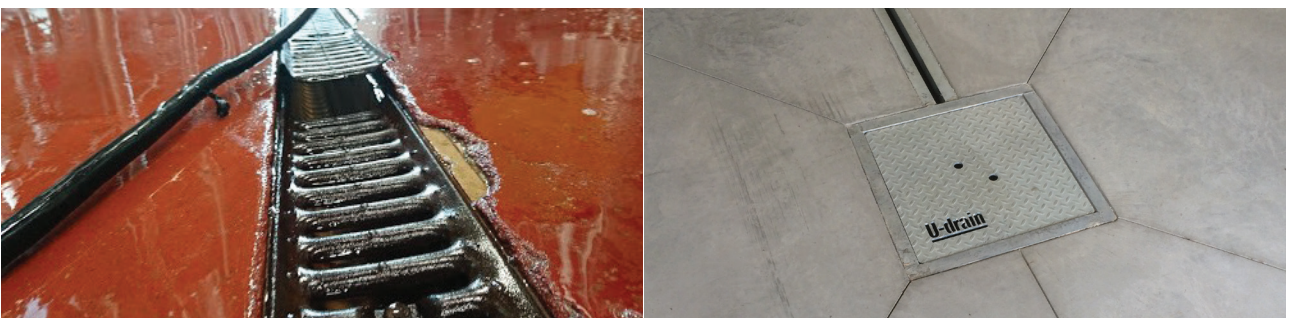
U-DRAIN VS. GRATED DRAINS

The U-Drain system offers several compelling advantages over traditional floor drains with grates, particularly in terms of sanitation and cleanliness. Unlike floor drains with grates, which feature multiple openings and edges where dirt, debris, and bacteria can accumulate, U-Drain presents a seamless and continuous surface. This streamlined design significantly reduces the number of areas where contaminants can collect, making U-Drain inherently easier to clean and maintain.

The absence of grates in U-Drain systems eliminates the need to navigate around obstructions and corners during cleaning procedures. This simplifies the cleaning process and reduces the likelihood of overlooking hidden pockets of dirt or bacteria. With fewer crevices and edges to contend with, U-Drain facilitates more thorough cleaning practices, ensuring that no residue or buildup is left behind. As a result, facilities can maintain higher sanitation standards and minimize the risk of bacterial proliferation, creating a safer and more hygienic environment.

Furthermore, U-Drain systems help mitigate the potential for foul odors and mold growth, which can often accompany stagnant water and organic debris trapped in traditional floor drains with grates. By efficiently draining water away from the surface and preventing standing water from accumulating, U-Drain discourages the conditions conducive to odor development and mold formation. This not only contributes to a more pleasant and hygienic environment but also reduces the need for chemical treatments or deodorizers to address odor issues.

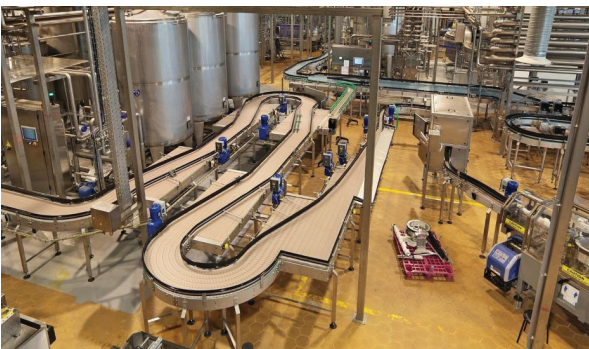
Overall, the superior sanitation capabilities of U-Drain make it an ideal choice for various commercial and industrial applications where cleanliness and hygiene are paramount concerns.



STAINLESS APPLICATIONS

When it comes to food production, we know sanitation and cleanliness are of vital importance. That's why we have designed our Stainless Steel U-Drain systems to help achieve those sanitation requirements. From the seamless design that limits spaces where bacteria can grow, to the use of high quality non-corrosive stainless steel, to the simple effective clean out options our drainage systems provide, we know U-Drain is the best option for a wide variety of applications in which cleanliness is key.

FOOD PROCESSING PLANTS



DAIRIES



WINERIES & BREWERIES



PHARMACEUTICAL FACILITIES



RESTAURANT KITCHENS



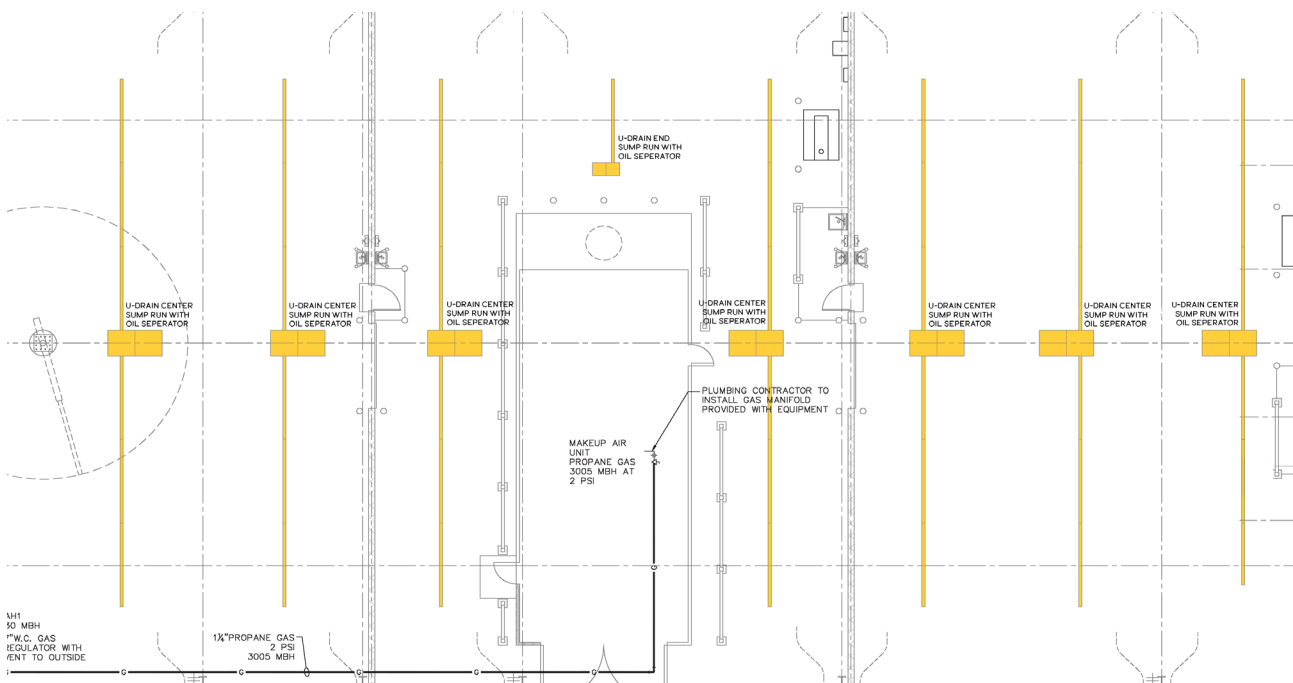
CHEMICAL PROCESSING



CUSTOM DESIGN

ADAPTABLE IN ANY APPLICATION

U-Drain leads the industry with its customizable floor drainage systems, tailored to meet each client's unique requirements and space constraints. Through assessment and collaboration, U-Drain's team ensures that their solutions integrate seamlessly into any environment, whether it's a commercial kitchen, food processing facilities, healthcare setting, or pharmaceutical lab. Our innovative designs not only effectively manage water flow but also enhance aesthetics, with versatile applications across various industries. Built with top-quality materials and engineering excellence, U-Drain's products offer exceptional durability, reliability, and performance, capable of withstanding heavy loads and harsh conditions. Committed to customer satisfaction, U-Drain provides comprehensive support from consultation to installation, ensuring clients receive outstanding service and results that exceed expectations. With U-Drain, clients can trust in tailored drainage solutions that deliver unmatched efficiency and longevity, setting the standard for excellence in the industry.



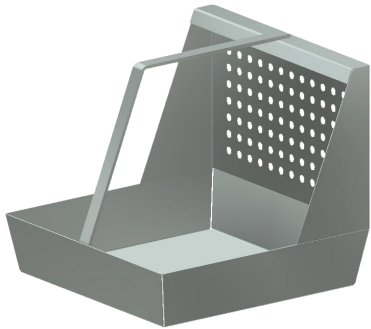
Scan the QR code to download the U-Drain technical files



U-DRAIN ACCESSORIES

CLEANING PADDLE

The cleaning paddle is the easiest method to clean out your U-Drain system. Insert the paddle into the slot of the U-Drain, give it a quarter turn and run the paddle down the length of your drain pushing everything back towards the sump.



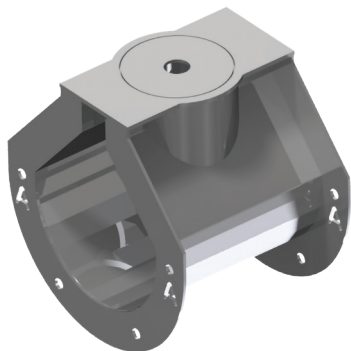
SILT STRAINER

Our silt strainer is designed with small holes that will allow water and liquids to pass through while trapping small objects and debris. Simply lift the basket out of the sump, and discard any waste that has been trapped.

Our silt strainer is also made from stainless steel.

FLUSH NOZZLE

U-Drain's flush nozzle is installed on the end of the drain run. It is connected to a water line coming up from the floor and connected to a valve. Simply turn on the water valve to force clean water down the length of the drain, flushing away any excess debris.



PIPE DRAIN INSERT

Drain your tanks quickly and avoid spills with our optional pipe drain inserts. Installed directly into the run of the drain, the pipe drain inserts allow total flexibility in regards to where you want and need to have your drain locations. The removable cap can fit a wide range of hose sizes for clean and quick drainage while avoiding spills onto the floor of your facility.

RUBBER DRAIN STOP

When inserted into the drain of the sump, the rubber drain stop allows the complete U-Drain system to be filled with cleaning solution. This allows for complete submersion sanitation of all U-Drain surfaces along the entire length of your drain run.



LIFETIME WARRANTY

LIFETIME LIMITED WARRANTY

AGAINST MANUFACTURER DEFECTS



At U-Drain, we build quality drainage systems. We stand behind our products and are pleased to offer a lifetime warranty against manufacturer defects across the entire line of U-Drain products. If you receive a U-Drain product that has a manufacturer defect, we will replace it for you. A proper drainage system is an investment, and you can purchase U-Drain with confidence knowing you are getting a product that is built well and built to last.

For more information regarding our manufacturer defect warranty or to process a warranty claim, please contact our support line at 1-204-746-8200 and ask to speak to our warranty department.

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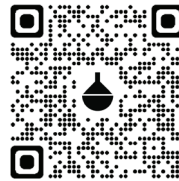
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STRUCTURAL INTEGRITY

U-Drain is pre-engineered in such a way that the weight load on top of the drain is channeled directly into the surrounding concrete. This design essentially makes U-Drain™ as strong as the concrete that is poured around it. U-Drain is CSA TESTED and CERTIFIED IN BOTH CANADA AND THE UNITED STATES. Our commercial and residential models in BOTH galvanized and stainless steel are CSA certified as Extra Heavy Duty (CSA B79-08) and Special Duty (ASME A112.6.3-2016). Special Duty is the highest ASME load class and requires the drain to have a safe live load of over 10,000lbs. This rating is safe for extremely heavy traffic including airport traffic.



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TECHNICAL FILES

1.855.746.8200 | sales@u-drain.ca