



JMI PUMP SYSTEMS

Your Partners in Pumping Since 1958

W194 N11695 McCormick Drive

Germantown, WI 53022

262-253-1353 • 800-234-5490

www.jmipumps.com • sales@jmipumps.com

PACKAGED SYSTEMS FIBERGLASS CATCH BASIN WITH FRAME AND GRATE

Model *BZM-BIG-EASY*

FEATURES

- Packaged System includes (1) 36 x 48" Fiberglass Basin, (1) Cast Iron Frame & Grate, and (1) 4-inch Inlet Seal
- The cast iron frame has 24" clear access, which conforms to the State of Wisconsin Uniform Plumbing code SPS 382.34
- The 4" rise on the cast iron frame makes it easier to maintain the maximum 12" invert dimension, which is measured from the top of the grate to the bottom of the outlet
- One piece, fiberglass basin with a solid bottom
- The basin is only 118 lbs., making it easy to handle
- Installed without the use of machinery
- Inlets made with common drill and hole saw and sealed with push grommets
- Provides a cost-effective, labor saving, and easy-to-use solution
- Available with a solid lid (BZM-BIGEASY-LID)



PACKAGED SYSTEMS

Fiberglass Catch Basin

- BTO-FB36x048: 36" diameter x 48" deep fiberglass basin weighing 118 lbs.
- Available in other depths and diameters

Inlet Pipe Seal

- ATO-U600: Push Grommet, 6" pipe
- ATO-U400: Push Grommet, 4" pipe
- ATO-U300: Push Grommet, 3" pipe

Cast Iron Frame and Grate

- BZM-36-FRM&GRT: Frame and Grate weighing 342 lbs.
- 4" Rise
- 38" Outside Diameter
- 24 1/4" Clear Access
- Manufactured to A48 Class, 35B Standards



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CAST IRON FRAME & GRATE FOR 36" DIAMETER BASINS MODEL

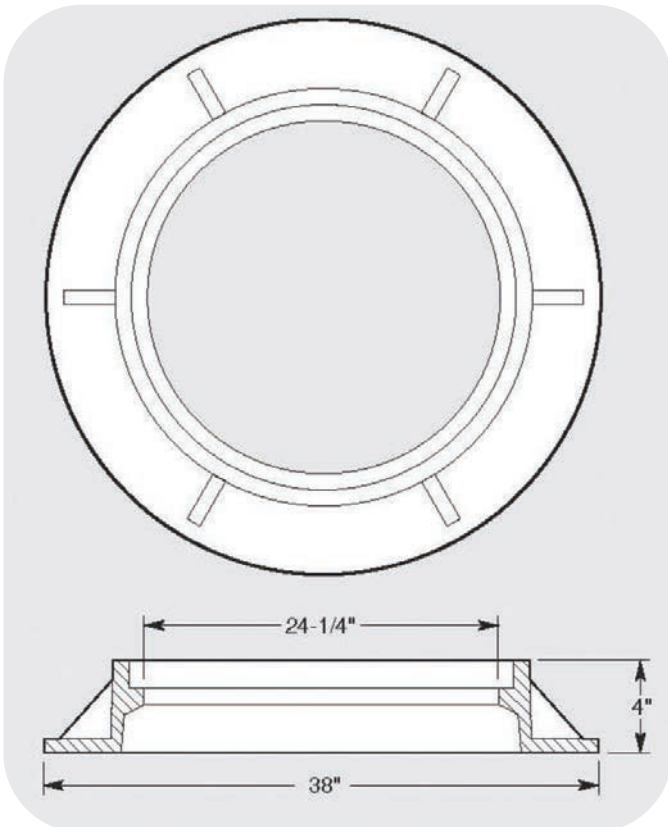
Model BZM-36-FRM&GRT

FEATURES

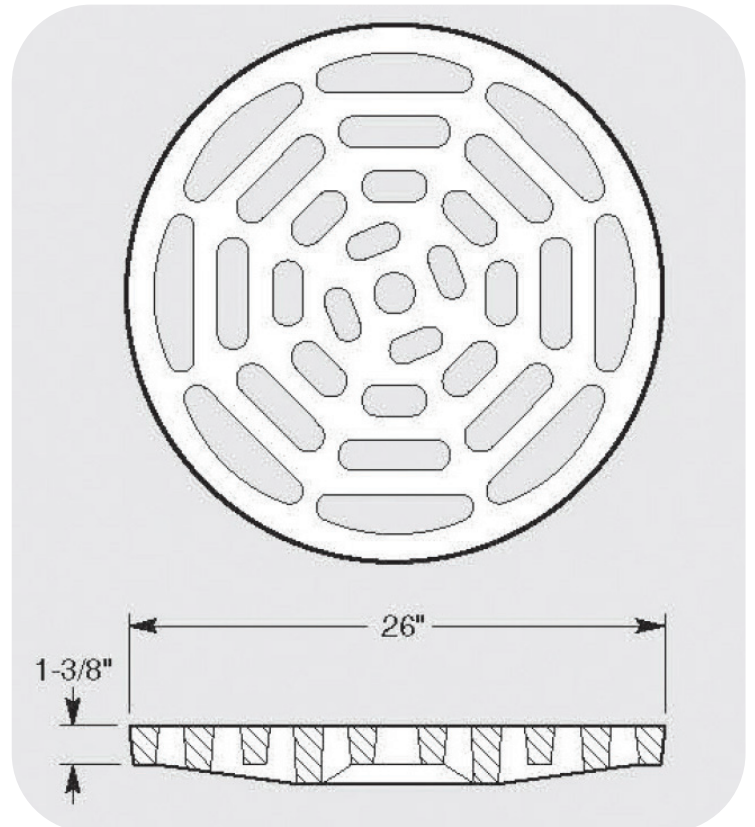
- Heavy duty cast iron
- The frame's outside diameter is 38"
- The frame has a 4" rise and a 24-1/4" clear access opening
- Manufactured to ASTM A48 Class 35B Standards by Crescent Foundry, India
- Available with Lid (BZM-36-FRM&LID)
- **Model: BZM-36-FRM&GRT:**
Frame & Grate - 342 lbs.
- **Model: BZM-36-FRAME:**
Frame Only - 194 lbs.
- **Model: BZM-36-GRATE:**
Grate Only - 148 lbs.



FRAME



GRATE

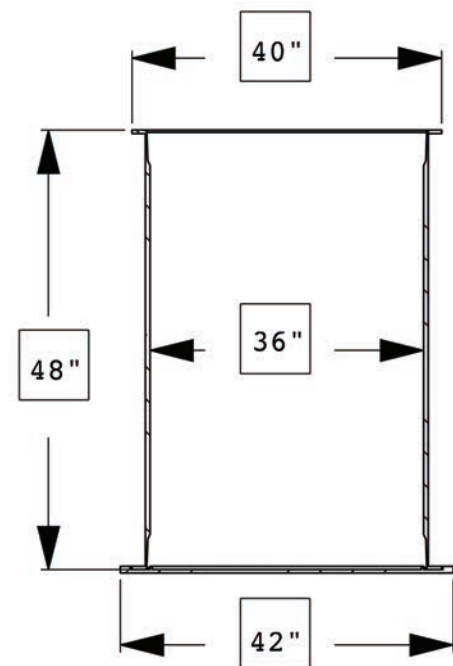




FIBERGLASS BASIN SHORT SPECIFICATIONS

- The resins used shall be commercial grade polyester and shall be evaluated as a laminate test or determined by previous service to be acceptable for the intended environment.
- The reinforcing material shall be a commercial grade glass fiber (continuous strand, chopped-strand, continuous mat, and/or non-continuous mat) having a coupling agent, which will provide a suitable bond between the glass reinforcement material and resin.
- The FRP* laminate wall thickness shall vary with the wet well height to provide the aggregate strength necessary to meet the tensile and flexural physical properties requirements.
- The wet well FRP* wall laminate must be designed to withstand wall collapse or buckling based on...
 - Hydrostatic pressure of 62.4 lbs. per square foot
 - Saturated soil weight of 120 lbs. per cubic foot
 - Soil modulus of 700 lbs. per square foot
 - Pipe stiffness values as a specified in ASTM D3753
- The wet well FRP* laminate must be constructed to withstand or exceed two times the assumed loading on any depth of the wet well.
- The finished FRP* laminate will have a Barcol hardness of at least 90% of the resin manufacturer's specified hardness for the fully cured resin.
- The Barcol hardness shall be the same for both the interior and exterior surfaces.
- The wet well top flange (cover flange) shall have a minimum outside diameter of 2-inches greater than the inside diameter of the wet well.
- A four-or six-bolt hole pattern shall accommodate the mounting of a cover with at least a 1/4" diameter 300 series Stainless Steel fasteners.
- The following non-corroding threaded inserts are expectable for use:
 - Non-corroding Stainless Steel threaded inserts shall be fully encapsulated with non-continuous mat or chopped-strand glass strand reinforcement. The inserts shall have an offset tab to prevent stripping or spinning out when removing and reinserting cover fasteners.

FIBERGLASS REINFORCED POLYESTER



Anti-Flotation Flange Specify:

- Fiberglass (Round)
- Fiberglass Encapsulated ASTM A-36 Steel (Square)



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PIPE SEAL GROMMET



MODEL NO.	NOMINAL PIPE SIZE	ACTUAL PIPE O.D.	HOLE SAW SIZE
ATO-U038	3/8"	.675"	1"
ATO-U050	1/2"	.840"	1 1/4"
ATO-U075	3/4"	1.050"	1 1/4"
ATO-U100	1"	1.315"	1 3/4"
ATO-U125	1 1/4"	1.660"	2"
ATO-U150	1 1/2"	1.900"	2 1/2"
ATO-U200	2"	2.375"	3"
ATO-U300	3"	3.500"	4"
ATO-U400	4"	4.500"	5"
ATO-U600	6"	6.625"	7"

The Pipe Seal Grommet is designed to seal piping penetrations through flat and curved surfaces. The user cuts the required entry hole, lubricates the pipe and seal, and forces the pipe through the seal. The outside diameter of the pipe seal grommet expands, sealing the pipe to the basin wall.