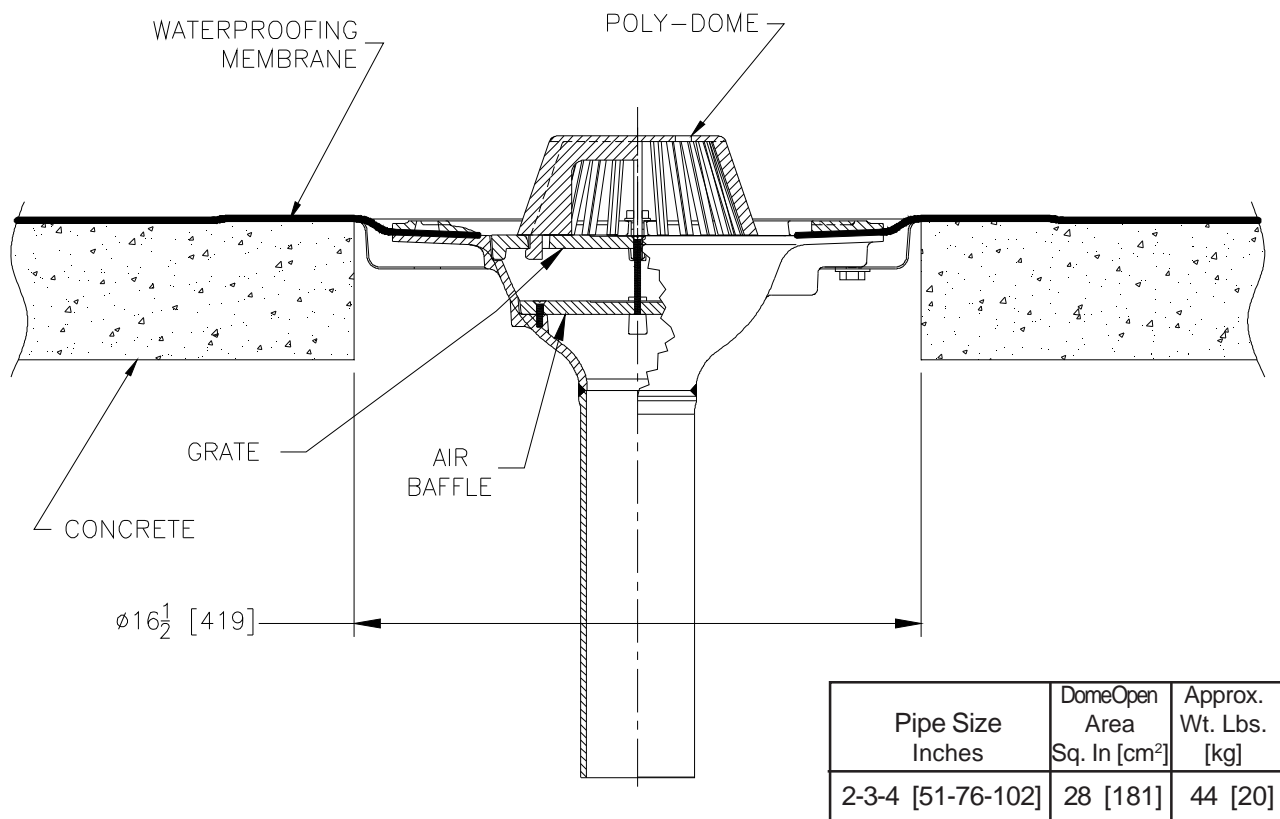




Z130

Siphonic Roof Drain

Operation and Maintenance Instructions



SIZING

Contact Zurn Application Engineering for drain and system sizing. Zurn uses a proprietary software program to design and monitor the flow characteristics within each piping section and create an efficient design to optimize system performance.

DESIGN

The Zurn Z130 siphonic roof drain has been designed and tested in accordance with ASME standard A112.6.9 for "Siphonic Roof Drains". The drain is offered in 3 outlet sizes, 2", 3", and 4". The 2" drain has a peak flow rate of 149 GPM with 2" of water depth above the drain. The 3" drain flows 380 GPM at 3" water depth, while the 4" drain flows 704 GPM at 3.5" water depth.

OPERATION

The Z130 Siphonic roof drain features an internal air baffle that prevents air from entering the piping system, creating a negative pressure that siphons water from the roof through the drain and piping. Without air in the piping system, smaller pipe diameters can be used to achieve equivalent flow to conventional gravity drainage.

MAINTENANCE

The only maintenance required on the siphonic roof drain is to periodically inspect the grate and baffle and remove any debris from them that may restrict flow. Due to the high velocity of flow in the piping of a siphonic system, most smaller debris, such as leaves, trash bags, etc., can be flushed through the drain and piping. This eliminates the need for cleanouts in the piping system and makes it a "self-cleaning" system.