

The COANDA Downspout

The patented COANDA Downspout employs stainless steel tilted wedge wire Coanda screens encased in a rugged, water-tight housing. Unlike conventional filtering devices such as bags, netting, wire screens, debris fences, or storm water clarifiers, our downspout is designed specifically to handle high velocity, high volume flow rates associated with rapidly concentrated peak flows coming from all types of rooftops. The COANDA Downspout is self-cleaning and non-clogging with no moving parts. It rarely needs servicing but is easily accessible whenever necessary.

Exterior housings are available in fiberglass or stainless steel. Installation is quick and easy using rubber or mechanical unions clamped to the inlet and outlet. The Downspout is mechanically bolted to the wall or structural support via supplied mounting brackets. Units can be specified to meet specialized mounting configurations, such as through-the-wall access, left or right mounting, and a variety of finishes.

Additional secondary treatment devices including micro-filtration pads, ion exchange resins, disinfection media, and adsorbents, are available as specified.



Commercial Fiberglass Unit



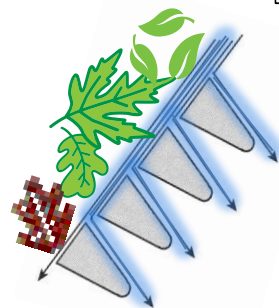
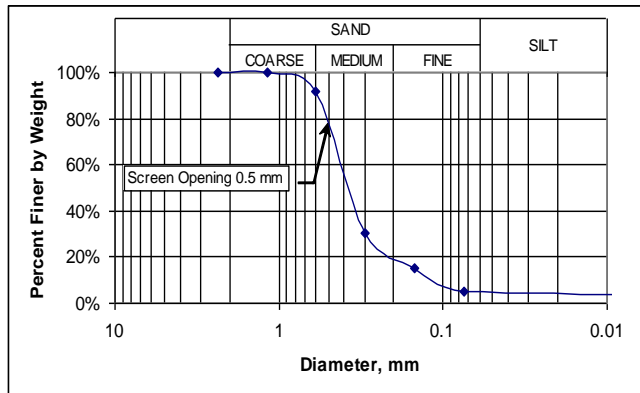
Commercial Stainless Unit



Residential Stainless Unit

Particulate Removal

The COANDA Downspout removes everything larger than fine sand.



The COANDA Effect

The edge of the COANDA Screen creates a shearing action as water flows across its surface, diverting water through the screen while dewatered debris slides off the face and falls downward into the debris compartment.

Non-Clogging Under Rigorous Test Conditions

At nearly three times its debris storage capacity and twice its rated flow capacity, the COANDA Downspout continues to filter without bypassing and without allowing any debris to escape.

COANDA Downspout Flow Rate

| Downspout Diameter | Rated Capacity GPM |
|--------------------|--------------------|
| 4" | 175 |
| 6" | 400 |
| 8" | 700 |
| 10" | 1,000 |
| 12" | 1,600 |

