Technical Bulletin

ACO GULLY – PIPE CONNECTION METHODS

- CONNECTION METHODS FOR STAINLESS STEEL, HDPE AND PVC PIPEWORK

ACO Gully can be used in conjunction with a number of different pipe materials. The most commonly used pipe materials are:

1. Stainless steel
2. HDPE (High Density Polyethylene)
3. PVC (Poly Vinyl Chloride)

These pipe materials have various connection methods. The most commonly used methods are detailed below.

1. ACO Pipe stainless steel pipe

Stainless steel push-fit pipe is commonly used in applications where hygiene is a concern; temperature of discharging water is high and/or carries corrosive liquids. ACO offers a range of stainless steel push-fit pipes, ACO Pipe.

The connection of the ACO Gully outlet with ACO Pipe is a simple, push-fit connection that requires no additional joining couplings.

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2. HDPE pipe

HDPE pipe is commonly used in applications where the temperature of discharging water is high, but where durability, corrosion resistance and hygiene is of little concern.

There are two options available for connecting the ACO Gully outlet with HDPE pipe:

- HDPE connector
- Flexible coupling

The HDPE connector (pictured top left) allows the ACO Gully outlet to push-fit into the connector, and the other end of the connector is butt-welded to the connecting HDPE pipe.

Flexible couplings are designed to fit two pipes of a similar outside diameter together. The flexible connector (pictured top right) is placed over the ACO Gully outlet and over the connecting HDPE pipe. The stainless steel hose clamps are tightened to achieve the seal. Note: some authorities do not permit the use of flexible couplings in ground slabs.

3. PVC pipe

PVC pipe is used in projects where cost requirements exceed the importance of hygiene, heat and corrosion resistance.

To connect the ACO Gully outlet to PVC pipe, a flexible coupling can be used (pictured left). The flexible connector is placed over the ACO Gully outlet and over the connecting PVC pipe. The stainless steel hose clamps are tightened to achieve the seal. Note: some authorities do not permit the use of flexible couplings in ground slabs.

Another option is a flex seal shielded coupling (pictured middle). This coupling is also a flexible coupling, but has a layer of stainless steel and is designed for below ground applications. Check manufacturers' approvals for use in ground slab applications prior to use.

A slip coupling (pictured right) is another option for connecting PVC pipe below ground. The ACO Gully push-fits into one end of the slip coupling and the connecting PVC pipe the other. This method can also be used in ground slabs.

Please note, the couplings identified for HDPE and PVC pipe are not supplied by ACO.

For more information on the ACO Gully range, visit www.acogully.com.au.