

# Eco-Tech Drain Line Adapter & Drain Saddle Characteristics

Characteristics	Drain Saddle	DLA-9	DLA-12	DLA-D
Customer Satisfaction	Sometimes*	YES	YES	YES
Noise Reduction	NO	YES	Sometimes**	YES
Clog Resistant	NO	YES	YES	YES
Fewer Callbacks	NO	YES	YES	YES
Ease of Installation	Fair	Fair	Good	Excellent
Average Time to Install	3–5 Minutes	3–5 Minutes	1–3 Minutes	1–3 Minutes
Tools Required	Screwdriver/Drill/Bits	Hacksaw/Screwdriver	Hacksaw	Hacksaw/Screwdriver
IAPMO/UPC & IPC Listed	NO	YES	YES	YES
ASTM Standard F 409	NO	YES	YES	NO
Prohibited Fitting	YES***	NO	NO	NO

\* Customer may be willing to accept code violation, noise, clogging and callbacks.

\*\* The DLA-12 may be silent in configuration-A depending on flow rate and “sheeting” of water. The DLA-12 is normally silent in configuration-B (see DLA-12 instruction sheet).

\*\*\* Drain type saddles are designated prohibited fittings by the Uniform Plumbing Code (UPC/IAPMO) and by the International Plumbing Code (IPC/BOCA, ICBO, and SBCCI), and by the National Standard Plumbing Code (NSPC/PHCC), which determine safe and effective materials and plumbing installation practices throughout the United States (see code sections prohibiting the use of drain saddles below).

## Standpipe Airgap Characteristics

Characteristics	Typical Airgap	DLA-G	DLA-G15	DLA-G20
Removable/Reusable	NO	YES	NO	NO
Splash/Spray Resistant	NO	YES	YES	YES
Quick Connect Push-In Inlet	NO	YES	NO	NO
Barb Insert Inlet	NO	YES	NO	NO
JACO Compression Inlet	NO	YES	NO	NO
Female Thread Inlet	NO	NO	YES	YES
IAPMO/UPC & IPC Listed	Some Models	YES	YES	YES
ASME A112.1.3	Some Models	YES	YES	YES
Listed for 1/2" & 3/4" FIPT Inlet	NO	NO	YES	NO
Listed for 1" FIPT Inlet	NO	NO	NO	YES

## Dishwasher Airgap Characteristics

Characteristics	Typical Dishwasher Airgap	Model DLA-TAG
Ease of Installation	Good	Good
Access from Countertop	Sometimes*	YES
Quiet Operation	Poor – Fair	Excellent
Clog Resistant	Poor – Fair	Excellent
True Airgap	Sometimes**	YES
Vertical Airgap Window	NO	YES

\* Some dishwasher airgaps must be un-installed from the countertop in order to clear trapped particles.

\*\* Some dishwasher airgaps are actually vents and do not qualify as true airgaps. The DLA-TAG has more than 1" of vertical airgap.

### Code Sections Prohibiting the Use of Drain Saddle Connections

**International Association of Plumbing and Mechanical Officials IAPMO**  
 1997 Uniform Plumbing Code / UPC...pages 18 & 19  
 Section 311.0 Prohibited Fittings and Practices  
 Section 311.1 No...band or saddle shall be used as a drainage fitting...  
 Section 311.2 No drainage vent or piping shall be drilled and tapped for the purpose of making connections thereto...

**International Conference of Building Officials ICBO**  
**Southern Building Code Congress International, Inc. SBCCI**  
**Building Officials and Code Administrators International, Inc. BOCA International**  
 1997 International Plumbing Code / IPC...page 53  
 Section 707 Prohibited Joints and Connections  
 Section 707.1 Prohibited joints. The following types of joints and connections shall be prohibited:  
 6.) saddle type fittings

**Plumbing Heating Cooling Contractors National Association PHCC**  
 1996 National Standard Plumbing Code / NSPC...page 73 (illustrated)  
 Section 2.4 Fittings and Connections in Drainage Systems  
 Section 2.4.1 Prohibited Fittings  
 No running threads or saddles shall be used in the drainage system. No drainage or vent piping shall be drilled, tapped, burned or welded.