

Dry All

Full Range of HVAC&R Line Products



Flare to Solder Adaptors

Introduction

Dry All Flare to Solder Adaptors are designed to provide a reliable and efficient transition between flare and solder connections in HVAC&R systems. These adaptors ensure leak-proof performance, ease of installation, and long-lasting durability, making them ideal for various HVAC&R applications. In HVAC&R systems, different types of connections are often required due to variations in component designs and installation requirements. Flare connections are commonly used for their ease of assembly and disassembly, making them ideal for maintenance and repairs. Solder connections, on the other hand, provide a permanent, leak-proof joint that is highly durable under varying pressure and temperature conditions. The Flare to Solder Adaptor bridges these two connection types, offering the benefits of both in one versatile component.

Key Features

- **Brass Forged Nut :** The Nut made from high quality brass for superior corrosion resistance and strength.
- **Swaged Copper Connection:** It simplifies the transition from flare to solder connections, reducing installation time and labour costs.
- **Leak-Proof Design:** Ensures a secure and reliable connection, preventing refrigerant leaks.
- **Versatile Applications:** Suitable for a wide range of HVAC&R systems, including residential, commercial, and industrial applications.
- **Cost-Effective:** Reduces installation time and labor costs.
- **Durability:** Long-lasting performance due to high-quality materials.

Application

In the HVAC&R cycle, the Flare to Solder Adaptor plays a critical role in ensuring seamless connectivity between different components of the system. It is typically used in:

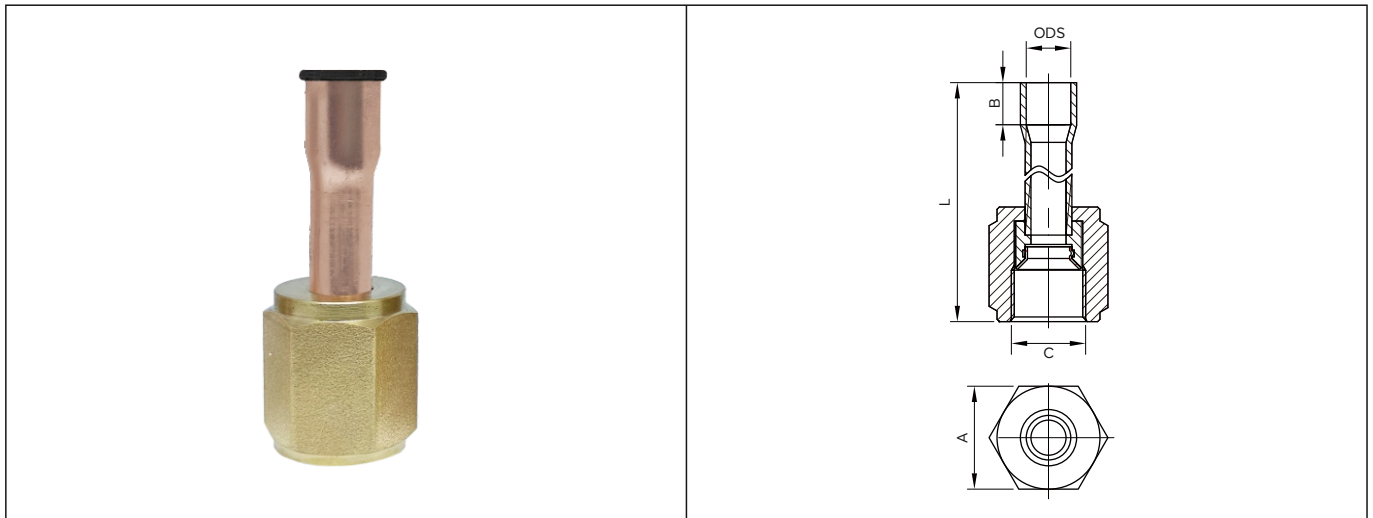
- **Compressor to Condenser Connections:** Connecting the refrigerant lines from the compressor to the condenser where different types of connections are required.
- **Condenser to Expansion Valve:** Facilitating the connection between the condenser and the thermal expansion valve.
- **Evaporator to Suction Line:** Ensuring a secure connection between the evaporator and the suction line leading back to the compressor.
- **Filter Driers and Sight Glass:** Connecting filter driers and sight glass in the refrigerant circuit.

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Working Principle

Dry All Flare to Solder Adaptor works by providing a secure connection between a flare fitting and a soldered copper tube. The flare end connects to the flare fitting, while the solder end is attached to the copper tube using standard soldering techniques. This transition ensures a robust and leak-proof connection.

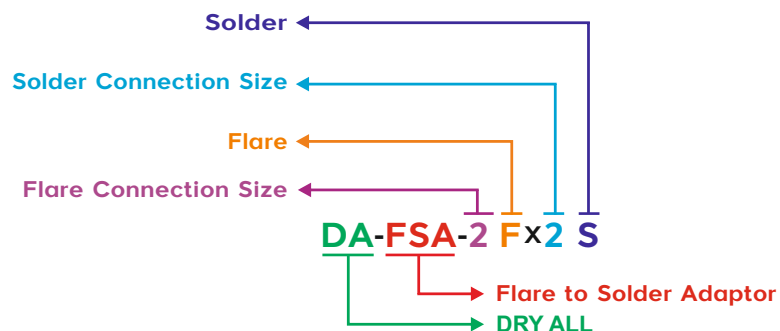
Image & Drawing



Models Available

Sr. No	Model No.	ODS	A (mm)	B (mm)	C	L (mm)
1	DA-FSA-2FX2S	1/4"	SW17	9	7/16"-20UNF	47
2	DA-FSA-3FX3S	3/8"	SW22	9	5/8"-18UNF	60
3	DA-FSA-4FX4S	1/2"	SW24	12	3/4"-16UNF	68.5
4	DA-FSA-5FX5S	5/8"	SW27	14	7/8"-18UNF	71.5
5	DA-FSA-6FX6S	3/4"	SW32	15	1-1/16"-12UNF	78

Nomenclature



Selection Parameters for Product

Parameter	Values
Maximum Working pressure	50 Bar
Suitable media	R22, R134a, R410A, R502, POE oil & some other refrigerants
Temperature range	-40°C to +120°C
Helium Leakage rate	≤1.0 g/a

- **System Pressure:** Ensure the adaptor's max working pressure exceeds the system's operating pressure.
- **Temperature Range:** Select an adaptor that can withstand the system's temperature conditions.
- **Connection Sizes:** Match the flare and solder sizes to the system's requirements.
- **Material Compatibility:** Ensure the brass material is suitable for the refrigerant used in the system.

Dry All Flare to Solder Adaptors offer a reliable, durable, and efficient solution for transition between flare and solder connections in various HVAC&R applications. With high-quality materials, leak-proof design, and ease of installation, these adaptors are the perfect choice for ensuring system integrity and performance.

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Genuine Product

Dry All®
Full Range of HVAC&R Line Products

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File No.: L/S&M/01

REV: 00