

2025 HVAC CATALOG



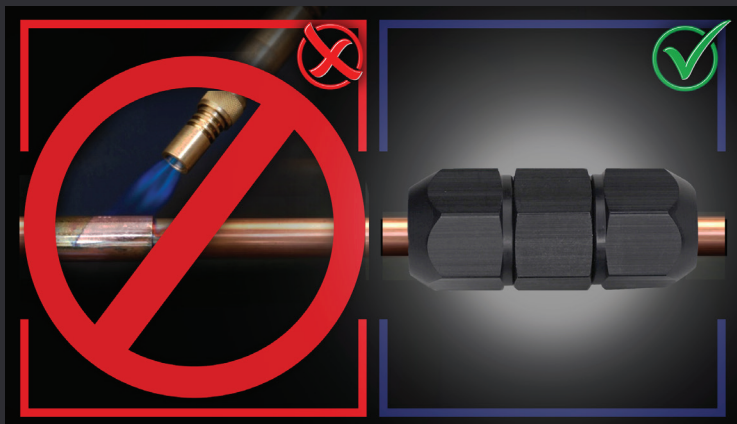
TECHNICIAN FRIENDLY

BRAZE FREE LINE CONNECTORS  
& FILTRATION PRODUCTS





MANUFACTURER OF SMART SERVICE SOLUTIONS  
Engineering Innovation - Since 1989



**BRAZE-FREE + FLARE-FREE**

# SMART SPLICE™ LINE CONNECTORS

THE SMART ALTERNATIVE  
TO BRAZING and FLARING

## PATENTED SEALING TECHNOLOGY

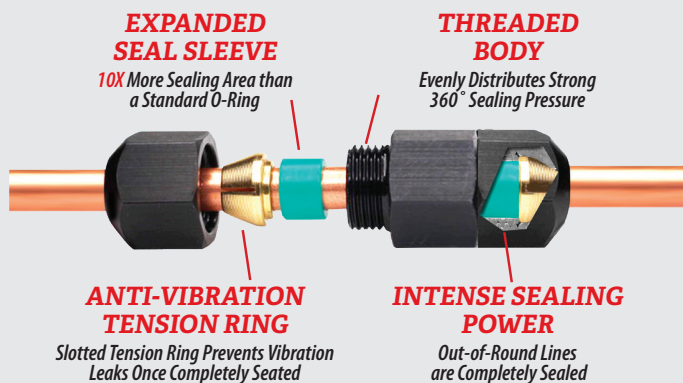


UP TO 2,600 PSI

**NO SPECIAL TOOLS**

**NO BRAZING**

**NO FLARING**



## WHAT MAKES IT SMART

OUR TECHNICIAN FRIENDLY LINE CONNECTORS ARE

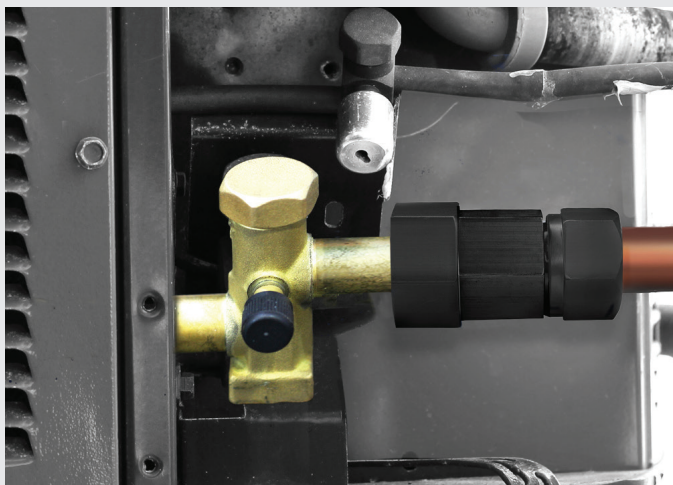
**EFFECTIVE – TIME SAVING – DURABLE – REPEATABLE**

WORKS ON COPPER, ALUMINUM AND STEEL LINES

Anti-Vibration Tension Ring's Unique Design Provides Superior Holding Power  
Large Sealing Surface Area Compensates For Line Imperfections And Out-Of-Round Tubing  
Installs With A Standard Wrench – No Big / Bulky / Expensive Special Tools Needed

**SMART SPLICE LINE CONNECTORS INSTALL IN MINUTES  
INCREASE PROFIT AND REDUCE LABOR TIME**

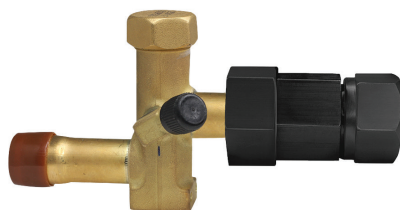




## EASILY INSTALL AN HVAC LINE WITHOUT BRAZING

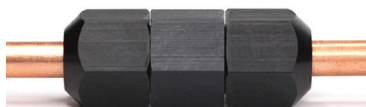
### SMART SPLICE™ LINE SPLICE CONNECTORS

WORKS WITH ANY METAL LINE  
CONNECT IN MINUTES  
INSTALLS WITH A STANDARD WRENCH  
NO SPECIAL TOOLS NEEDED  
COMPENSATES FOR OUT-OF-ROUND TUBING



### SMART SPLICE™ FOR SERVICE VALVES

AVAILABLE FOR LINE SIZES (OD)  
3/8", 5/8", 3/4", 7/8"  
AVAILABLE IN SINGLE AND 5 PACKS



### SMART SPLICE™ LINE TO LINE, STRAIGHT AND 90°

AVAILABLE FOR LINE SIZES (OD)  
1/4", 3/8", 1/2", 5/8", 3/4", 7/8"  
AVAILABLE IN SINGLE AND 5 PACKS



## ELIMINATE FLARING FLARE TO LINE CONNECTIONS



### SMART SPLICE™ FLARE TO LINE

AVAILABLE FOR LINE SIZES (OD)  
1/4", 3/8", 1/2", 5/8"  
AVAILABLE IN SINGLE AND 5 PACKS



## THE SPLICE IS RIGHT™

**BRAZE-FREE + FLARE-FREE**

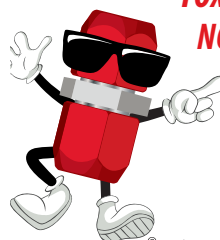
**FAST - EASY - DURABLE**

**INSTALL - REPAIR - TERMINATE**

**COMPENSATES FOR OUT-OF-ROUND LINES**

**10X SEALING SURFACE**

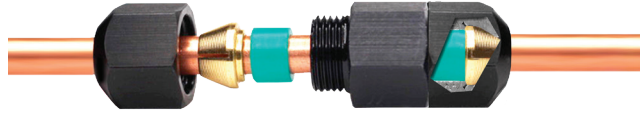
**NO SPECIAL TOOLS**



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# SMART SPLICE™ LINE CONNECTOR

## TECHNICAL DATA SHEET



**THE SMART ALTERNATIVE  
TO BRAZING AND FLARING**

**COMPENSATES FOR  
OUT-OF-ROUND TUBING**

**10X THE SEALING POWER  
OF AN O-RING**

### PRODUCT PARAMETERS

- **Applications**
  - Refrigeration
  - Air Conditioning
  - Heat Pump
  - VRF and VRV
  - Mini-Split
- **Continuous Operating Temperature**
  - 40°F to 300°F / - 40° to 150°C
- **Seal Sleeve Temperature Range**
  - 40°F to 300°F / - 40° to 150°C
- **Maximum Rated Operating and Abnormal Pressure**
  - 800 psi / 55 bar / 5,500 kPa
- **Burst Pressure**
  - 3x Maximum operating and abnormal pressure
  - 2,400 psi / 165 bar / 16,500 kPa
- **Vacuum Capability**
  - <200 Microns
- **Leak Tightness**
  - < 3 g/yr
- **Size & Type Availability (Inches)**
  - 1/4, 3/8, 1/2, 5/8, 3/4, 7/8
  - Straight, Elbow, Swage and Flare

### FITTING MATERIALS

- **Body:** Anodized Al
- **Nut:** Anodized Al
- **AVTR:** Brass
- **Seal Sleeve:** HNBR

### FITTING WARRANTY

- 15-year warranty

### COMPATIBILITY

- **Approved lubricants**
  - PAO, POE, PVE, AB and MO
- **Approved Connections**
  - Copper to Copper
  - Copper to Steel
  - Steel to Steel
  - Copper to Al
  - Al to Al
  - Steel to Al

### AGENCY APPROVALS

- *UL Listed Refrigerant Fitting SA45993-20230130*
- *UL 109 Pull Test*
- *UL 109 Vibration Test*
- *UL 1963 Gasket and Seals compliant*
- *SAE J2064 Leakage Evaluation*
- *GM10011C Hydrostatic, Vibration, Heat Age and Cold Age*

### APPROVED REFRIGERANTS

- All A1, A2 and A2L Refrigerants—
- A3 tests forthcoming
- Not suitable for R744







**SMART SPLICE™  
FLARE TO LINE CONNECTORS**

SIZE	SINGLE	5 PACK
1/4" Flare to 1/4" OD Line	86101	86111
3/8" Flare to 3/8" OD Line	86102	86112
1/2" Flare to 1/2" OD Line	86103	86113
5/8" Flare to 5/8" OD Line	86104	86114

**SMART SPLICE™  
FLARE TO LINE KITS FOR MINI-SPLIT SYSTEMS**

SIZE	SINGLE	5 PACK
(2) 1/4" Flare to 1/4" OD Line & (2) 3/8" Flare to 3/8" OD Line	86121	86131
(2) 1/4" Flare to 1/4" Line & (2) 1/2" Flare to 1/2" Line	86122	86132
(2) 1/4" Flare to 1/4" Line & (2) 5/8" Flare to 5/8" Line	86123	86133
(2) 3/8" Flare to 3/8" Line & (2) 5/8" Flare to 5/8" Line	86124	86134



**SMART SPLICE™  
STRAIGHT FITTINGS**

SIZE	SINGLE	5 PACK
1/4" OD Line	86014	86414
3/8" OD Line	86002	86402
1/2" OD Line	86001	86401
5/8" OD Line	86011	86411
3/4" OD Line	86012	86412
7/8" OD Line	86013	86413

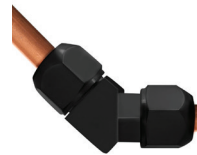
**SMART SPLICE™  
LINE REDUCER**

SIZE	SINGLE	5 PACK
1/2" to 3/8" OD Line	86006	86406



**SMART SPLICE™  
90° CONNECTORS**

SIZE	SINGLE	5 PACK
1/4"	86078	86478
3/8"	86072	86472
1/2"	86071	86471
5/8"	86074	86474
3/4"	86075	86475
7/8"	86077	86477



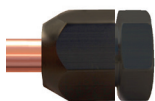
**SMART SPLICE™  
45° CONNECTORS**

SIZE	SINGLE	5 PACK
1/4"	86068	86468
3/8"	86062	86462
1/2"	86061	86461
5/8"	86064	86464
3/4"	86065	86465
7/8"	86067	86467



**SMART SPLICE™  
EXPANDED TUBE/KING VALVE**

SIZE	SINGLE	5 PACK
1/4" OD Line	86214	86314
3/8" OD Line	86202	86302
1/2" OD Line	86201	86301
5/8" OD Line	86211	86311
3/4" OD Line	86212	86312
7/8" OD Line	86213	86313



**SMART SPLICE™  
LINE TERMINATORS**

SIZE	SINGLE	5 PACK
1/4"	86506	86446
3/8"	86502	86442
1/2"	86501	86441
5/8"	86504	86444
3/4"	86505	86445
7/8"	86507	86447



**SMART SPLICE™  
1/4" SERVICE PORT  
CONNECTORS**

Straight Line Connector with  
1/4" Service Port with Valve Core

SIZE	SINGLE	5 PACK
1/4"	86255	86455
3/8"	86252	86452
1/2"	86251	86451
5/8"	86254	86454
3/4"	86256	86456
7/8"	86257	86457



# QUICK, DURABLE, BRAZE FREE LINE INSTALLATION & REPAIR

HVAC



**SMART SPLICE™** PATENTED, QUICK, DURABLE, BRAZE FREE LINE CONNECTORS

1-800-999-1051 / [WWW.AIRSEPT.COM](http://WWW.AIRSEPT.COM) / 1-678-973-2287