

PUSH CONNECT® HVAC STRAIGHT UNION



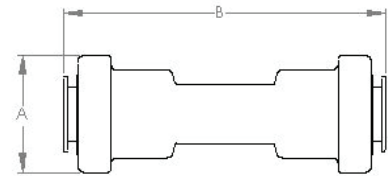
Product Specifications

DESCRIPTION

QuickFitting® HVAC push-to-connect fittings connect copper and coated aluminum line sets, HVAC/R units, and unitary indoor coils in residential and commercial applications. No flaring, brazing, swaging or special tools are needed, easily connecting refrigerant lines in seconds.

FEATURES AND BENEFITS

- Quick and easy to install
- Vibration, corrosion and UV resistant
- Patented design with double O-ring and grip ring seal
- Single use fitting that can be removed with Slip Clip™ tool
- Approved for major refrigerants, including A2L refrigerants
- Prevents leaks caused by vibration, galling, pulsation & extreme temperature changes
- Heavy duty, impact resistant brass body
- 5-Year Limited Warranty



SPECIFICATION DATA

Materials

- Body Construction: Lead free Brass
- O-Ring: Neoprene
- Grip Ring: AISI 301 Stainless Steel

Performance

- For HVAC/R up to 870 psi (60 bar)
- Service: Residential & Commercial HVAC/R

CODES AND LISTING

Compliance with the following codes:

- 2021, 2018, 2015, and 2012 International Mechanical Code® (IMC)
- 2021, 2018, 2015, and 2012 International Residential Code® (IRC)
- 2021, 2018, 2015, and 2012 Uniform Mechanical Code® (UMC)*
- 2022, 2019, 2016, 2013, and 2010 California Mechanical Code® (CMC)

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Compliance with the following standards:

- UL 207 (Edition 8), Standard for Refrigerant-Containing Components and Accessories, Nonelectrical
- UL 1963 (Edition 4), Standard for Refrigerant Recovery/Recycling Equipment
- UL 109 (Edition 6), Standard for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use

APPROVED REFRIGERANTS

R22, R32, R134a, R290, R404a, R407a, R407c, R410a, R500, R600a
A2L: R452B, R454B

APPROVED APPLICATIONS

- Residential & commercial use
- Copper & coated aluminum line sets
- Mini-split HVAC units
- Unitary indoor coils



Dimensional Data

Model No.	Size	A	B
MLHVSC0250	1/4"	0.800in	2.225in
MLHVSC0375	3/8"	0.920in	2.526in
MLHVSC0500	1/2"	1.000in	2.629in
MLHVSC0625	5/8"	1.055in	2.646in
MLHVSC0750	3/4"	1.334in	3.091in
MLHVSC0875	7/8"	1.354in	3.184in

Fitting Size	Insertion Depth
1/4"	1"
3/8"	1-1/4"
1/2"	1-1/4"
5/8"	1-5/16"
3/4"	1-1/2"
7/8"	1-9/16"

Item # Submitted	
Job Name	
Date	
Engineer	
Contractor	
PO #	
Tag	

Warranty: See warranty information for more details. All dimensions listed are nominal. MAINLINE



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Revised 01/20/2025

PUSH CONNECT® HVAC REDUCING UNIONS



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Product Specifications

DESCRIPTION

QuickFitting® HVAC push-to-connect fittings connect copper and coated aluminum line sets, HVAC/R units, and unitary indoor coils in residential and commercial applications. No flaring, brazing, swaging or special tools are needed, easily connecting refrigerant lines in seconds.

FEATURES AND BENEFITS

- Quick and easy to install
- Vibration, corrosion and UV resistant
- Patented design with double O-ring and grip ring seal
- Single use fitting that can be removed with Slip Clip™ tool
- Approved for major refrigerants, including A2L refrigerants
- Prevents leaks caused by vibration, galling, pulsation & extreme temperature changes
- Heavy duty, impact resistant brass body
- 5-Year Limited Warranty

SPECIFICATION DATA

Materials

- Body Construction: Lead free Brass
- O-Ring: Neoprene
- Grip Ring: AISI 301 Stainless Steel

Performance

- For HVAC/R up to 870 psi (60 bar)
- Service: Residential & Commercial HVAC/R

CODES AND LISTING

Compliance with the following codes:

- 2021, 2018, 2015, and 2012 International Mechanical Code® (IMC)
- 2021, 2018, 2015, and 2012 International Residential Code® (IRC)
- 2021, 2018, 2015, and 2012 Uniform Mechanical Code® (UMC)*
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Compliance with the following standards:

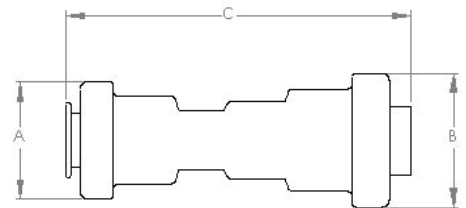
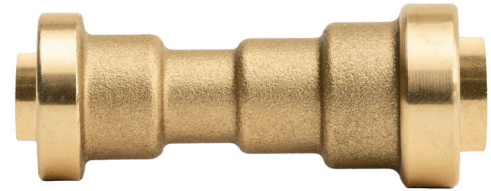
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- UL 1963 (Edition 4), Standard for Refrigerant Recovery/Recycling Equipment
- UL 109 (Edition 6), Standard for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use

APPROVED REFRIGERANTS

R22, R32, R134a, R290, R404a, R407a, R407c, R410a, R500, R600a
A2L: R452B, R454B

APPROVED APPLICATIONS

- Residential & commercial use
- Copper & coated aluminum line sets
- Mini-split HVAC units
- Unitary indoor coils



Dimensional Data

Model No.	Size	A	B	C
MLHVCR375250	1/4"-3/8"	0.800in	0.920in	2.384in
MLHVCR500375	3/8"-1/2"	0.920in	1.000in	2.574in
MLHVCR625500	1/2"-5/8"	1.000in	1.055in	2.645in

Fitting Size	Insertion Depth
1/4"	1"
3/8"	1-1/4"
1/2"	1-1/4"
5/8"	1-5/16"

Item # Submitted	
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Warranty: See warranty information for more details. All dimensions listed are nominal. MAINLINE



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PUSH CONNECT® HVAC SOCKETS



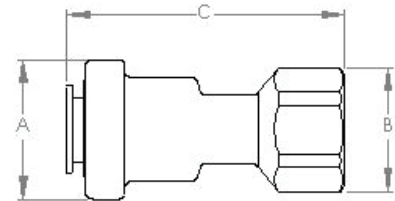
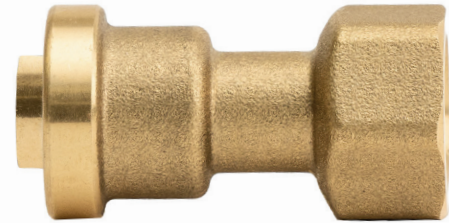
Product Specifications

DESCRIPTION

QuickFitting® HVAC push-to-connect fittings connect copper and coated aluminum line sets, HVAC/R units, and unitary indoor coils in residential and commercial applications. No flaring, brazing, swaging or special tools are needed, easily connecting refrigerant lines in seconds.

FEATURES AND BENEFITS

- Quick and easy to install
- Vibration, corrosion and UV resistant
- Patented design with double O-ring and grip ring seal
- Single use fitting that can be removed with Slip Clip™ tool
- Approved for major refrigerants, including A2L refrigerants
- Prevents leaks caused by vibration, galling, pulsation & extreme temperature changes
- Heavy duty, impact resistant brass body
- 5-Year Limited Warranty



SPECIFICATION DATA

Materials

- Body Construction: Lead free Brass
- O-Ring: Neoprene
- Grip Ring: AISI 301 Stainless Steel

Performance

- For HVAC/R up to 870 psi (60 bar)
- Service: Residential & Commercial HVAC/R

CODES AND LISTING

Compliance with the following codes:

- 2021, 2018, 2015, and 2012 International Mechanical Code® (IMC)
- 2021, 2018, 2015, and 2012 International Residential Code® (IRC)
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- UL 1963 (Edition 4), Standard for Refrigerant Recovery/Recycling Equipment
- UL 109 (Edition 6), Standard for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use

APPROVED REFRIGERANTS

R22, R32, R134a, R290, R404a, R407a, R407c, R410a, R500, R600a
A2L: R452B, R454B

APPROVED APPLICATIONS

- Residential & commercial use
- Copper & coated aluminum line sets
- Mini-split HVAC units
- Unitary indoor coils



Dimensional Data

Model No.	Size	A	B	C
MLHVFA0250	1/4"	0.800in	0.712in	1.603in
MLHVFA0375	3/8"	0.920in	0.949in	1.854in
MLHVFA0500	1/2"	1.000in	1.030in	1.977in
MLHVFA0625	5/8"	1.055in	1.097in	2.094in

Fitting Size	Insertion Depth
1/4"	1"
3/8"	1-1/4"
1/2"	1-1/4"
5/8"	1-5/16"

Item # Submitted	
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Warranty: See warranty information for more details. All dimensions listed are nominal. MAINLINE



PUSH CONNECT® HVAC 90° ELBOWS



MAINLINE®

Product Specifications

DESCRIPTION

QuickFitting® HVAC push-to-connect fittings connect copper and coated aluminum line sets, HVAC/R units, and unitary indoor coils in residential and commercial applications. No flaring, brazing, swaging or special tools are needed, easily connecting refrigerant lines in seconds.

FEATURES AND BENEFITS

- Quick and easy to install
- Vibration, corrosion and UV resistant
- Patented design with double O-ring and grip ring seal
- Single use fitting that can be removed with Slip Clip™ tool
- Approved for major refrigerants, including A2L refrigerants
- Prevents leaks caused by vibration, galling, pulsation & extreme temperature changes
- Heavy duty, impact resistant brass body
- 5-Year Limited Warranty



SPECIFICATION DATA

Materials

- Body Construction: Lead free Brass
- O-Ring: Neoprene
- Grip Ring: AISI 301 Stainless Steel

Performance

- For HVAC/R up to 870 psi (60 bar)
- Service: Residential & Commercial HVAC/R

CODES AND LISTING

Compliance with the following codes:

- 2021, 2018, 2015, and 2012 International Mechanical Code® (IMC)
- 2021, 2018, 2015, and 2012 International Residential Code® (IRC)
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- UL 109 (Edition 6), Standard for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use

APPROVED REFRIGERANTS

R22, R32, R134a, R290, R404a, R407a, R407c, R410a, R500, R600a
A2L: R452B, R454B

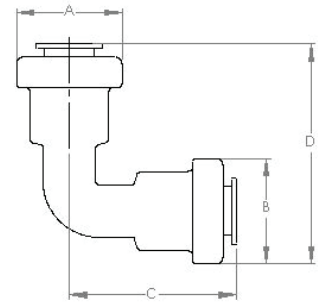
APPROVED APPLICATIONS

- Residential & commercial use
- Copper & coated aluminum line sets
- Mini-split HVAC units
- Unitary indoor coils



Dimensional Data

Model No.	Size	A	B	C	D
MLHVSE0250	1/4"	0.800in	0.800in	1.268in	1.668in
MLHVSE0375	3/8"	0.920in	0.920in	1.473in	1.938in
MLHVSE0500	1/2"	1.000in	1.000in	1.598in	2.098in
MLHVSE0625	5/8"	1.055in	1.055in	1.677in	2.204in
MLHVSE0750	3/4"	1.334in	1.334in	1.990in	2.657in
MLHVSE0875	7/8"	1.354in	1.354in	2.205in	2.882in



Fitting Size	Insertion Depth
1/4"	1"
3/8"	1-1/4"
1/2"	1-1/4"
5/8"	1-5/16"
3/4"	1-1/2"
7/8"	1-9/16"

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PUSH CONNECT® HVAC REDUCING 90° ELBOWS



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Product Specifications

DESCRIPTION

QuickFitting® HVAC push-to-connect fittings connect copper and coated aluminum line sets, HVAC/R units, and unitary indoor coils in residential and commercial applications. No flaring, brazing, swaging or special tools are needed, easily connecting refrigerant lines in seconds.

FEATURES AND BENEFITS

- Quick and easy to install
- Vibration, corrosion and UV resistant
- Patented design with double O-ring and grip ring seal
- Single use fitting that can be removed with Slip Clip™ tool
- Approved for major refrigerants, including A2L refrigerants
- Prevents leaks caused by vibration, galling, pulsation & extreme temperature changes
- Heavy duty, impact resistant brass body
- 5-Year Limited Warranty



SPECIFICATION DATA

Materials

- Body Construction: Lead free Brass
- O-Ring: Neoprene
- Grip Ring: AISI 301 Stainless Steel

Performance

- For HVAC/R up to 870 psi (60 bar)
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APPROVED REFRIGERANTS

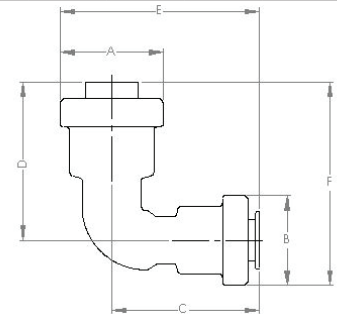
R22, R32, R134a, R290, R404a, R407a, R407c, R410a, R500, R600a
A2L: R452B, R454B

APPROVED APPLICATIONS

- Residential & commercial use
- Copper & coated aluminum line sets
- Mini-split HVAC units
- Unitary indoor coils

Dimensional Data

Model No.	Size	A	B	C	D	E	F
MLHVER375250	1/4"-3/8"	0.920in	0.800in	1.318in	1.415in	1.778in	1.815in
MLHVER500375	3/8"-1/2"	1.000in	0.920in	1.512in	1.549in	2.012in	2.009in
MLHVER625500	1/2"-5/8"	1.055in	1.000in	1.639in	1.598in	2.167in	2.098in



Fitting Size	Insertion Depth
1/4"	1"
3/8"	1-1/4"
1/2"	1-1/4"
5/8"	1-5/16"



Item # Submitted	
Job Name	
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