



A CSW Industrials Company

PRODUCT DATA SHEET

PRO-FIT™ QUICK CONNECT
Push-to-Connect Refrigerant Fittings

Description

PRO-Fit Quick Connect push-to-connect refrigerant fittings quickly connect copper and aluminum linesets for mini-split and unitary HVAC units. With no flaring or brazing involved, refrigerant lines can be securely and safely connected by PRO-Fit Quick Connect in various environments.

The unique, leak-proof double O-rings sealing design creates a permanent high pressure gas seal that prevents connection leaks caused by galling, vibration, pulsation and extreme temperature changes.

Packaging

NOTE: The units are individually sealed to allow for resale by a distributor.

| Code | Description | Qty per Case | Lbs per Case | Cubic Feet |
|-------|---|--------------|--------------|------------|
| 87018 | 1/4" Union | 10 | 1.492 | 0.0399 |
| 87019 | 3/8" Union | 10 | 1.984 | 0.0399 |
| 87020 | 1/2" Union | 10 | 2.43 | 0.0599 |
| 87021 | 5/8" Union | 10 | 2.75 | 0.0599 |
| 87022 | 3/4" Union | 10 | 5.056 | 0.1199 |
| 87023 | 7/8" Union | 10 | 5.802 | 0.1199 |
| 87024 | 1/4" Elbow | 10 | 1.598 | 0.0399 |
| 87025 | 3/8" Elbow | 10 | 2.196 | 0.0399 |
| 87026 | 1/2" Elbow | 10 | 2.876 | 0.0599 |
| 87027 | 5/8" Elbow | 10 | 3.334 | 0.0599 |
| 87028 | 3/4" Elbow | 10 | 5.58 | 0.1199 |
| 87029 | 7/8" Elbow | 10 | 6.648 | 0.1199 |
| 87030 | 1/4" to 3/8" Reducer | 10 | 1.786 | 0.0399 |
| 87031 | 3/8" to 1/2" Reducer | 10 | 2.374 | 0.0599 |
| 87032 | 1/2" to 5/8" Reducer | 10 | 2.916 | 0.0599 |
| 87033 | 1/4" to 3/8" Elbow Reducer | 10 | 1.942 | 0.0399 |
| 87034 | 3/8" to 1/2" Elbow Reducer | 10 | 2.64 | 0.0599 |
| 87035 | 1/2" to 5/8" Elbow Reducer | 10 | 3.254 | 0.0599 |
| 87036 | 1/4" Socket | 10 | 1.288 | 0.0399 |
| 87037 | 3/8" Socket | 10 | 1.854 | 0.0399 |
| 87038 | 1/2" Socket | 10 | 2.286 | 0.0599 |
| 87039 | 5/8" Socket | 10 | 2.866 | 0.0599 |
| 87042 | 1/4" Valve | 5 | 1.122 | 0.0399 |
| 87043 | 3/8" Valve | 5 | 1.592 | 0.0399 |
| 87044 | 1/2" Valve | 5 | 2.16 | 0.0599 |
| 87045 | 5/8" Valve | 5 | 2.452 | 0.0599 |
| 87048 | 1/4" - 5/8" Support Kit Line Marking Tool & Disconnect Clips | 10 | 1.83 | 0.0599 |
| 87049 | 3/4" - 7/8" Support Kit Line Marking & Disconnect Tools | 10 | 0.674 | 0.0399 |



Applications

- Flame-free fittings for connecting refrigerant lines
- For HVAC/R up to 870 psi (60 bar)
- Prevent refrigerant lineset leaks

Recommended for

- Residential use
- Coated aluminum linesets
- Mini-split HVAC units
- Unitary indoor coils

Characteristics | Features

- Quick and easy push-in
- Flame-free: no flaring or brazing needed
- Single-use with quick-release removal
- Robust brass body, durable & reliable
- Leak-proof double O-rings sealing
- Complete system with all sizes and configurations
- High tensile strength
- Vibration and impact resistant
- UV resistant
- Corrosion resistant
- Sight window for connection verification
- Compatible with major refrigerants, including R410A and R22



Instructions

TO CONNECT FITTING:

1. Cut the Tube.
2. De-burr.
3. Use prep tool (sold separately) to determine depth.
4. Mark insertion depth.
5. Push into fitting.
6. Double check through window on fitting.

TO DISCONNECT FITTING:

The refrigeration system must be isolated, or pumped down before disconnecting. Press the release with disconnect clip to remove tubing. Make sure that the fitting and tube are free from defects. The fitting and tubing should be free of damage, foreign object and marks on the outside diameter. Do not insert fingers in the grip ring inside the fitting.

⚠ WARNING This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

For additional technical information, call toll free 1-800-231-3345.

| Pro-Fit Quick Connect - RS1 Flow/Pressure Loss Coefficient | | | | | | | | | | | | | | | | |
|--|----------------------|---------------|-----------------|------------------------|--------------------|-----------------|------------------------|--------------------|-----------------|------------------------|------------|-----------------|------------------------|-----------|-----------------|------------------------|
| Size | | RS1 90° Elbow | | | RS1 Reducing Elbow | | | RS1 Reducing Union | | | RS1 Socket | | | RS1 Union | | |
| Inch | Inside Diameter (mm) | Cv | Flow Drop (kPa) | Equivalent Length (Ft) | Cv | Flow Drop (kPa) | Equivalent Length (Ft) | Cv | Flow Drop (kPa) | Equivalent Length (Ft) | Cv | Flow Drop (kPa) | Equivalent Length (Ft) | Cv | Flow Drop (kPa) | Equivalent Length (Ft) |
| 1/4" | 8.00 | | 0.76 | 0.39 | | 1.39 | 0.71 | | 0.25 | 0.13 | | 0.13 | 0.06 | | 0.13 | 0.06 |
| 3/8" | 10.92 | | 0.56 | 0.53 | | 1.02 | 0.97 | | 0.19 | 0.18 | | 0.09 | 0.9 | | 0.09 | 0.09 |
| 1/2" | 13.84 | 0.94 | 0.44 | 0.67 | 0.89 | 0.81 | 1.22 | 0.98 | 0.15 | 0.22 | 0.99 | 0.07 | 0.11 | 0.99 | 0.07 | 0.11 |
| 5/8" | 16.91 | | 0.36 | 0.82 | | 0.66 | 1.5 | | 0.12 | 0.27 | | 0.06 | 0.14 | | 0.06 | 0.14 |
| 3/4" | 19.94 | | 0.31 | 0.96 | | | | | | | | | | | 0.05 | 0.16 |
| 7/8" | 26.04 | | 0.24 | 1.26 | | | | | | | | | | | 0.04 | 0.21 |

Limited Warranty



For more information on our product limited warranty, visit RectorSeal.com

Distributed by

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