



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](http://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](http://RectorSeal.com)

Distributed by

**RectorSeal, LLC**

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