ACR COPPER PRESS FITTINGS FOR HVAC AND VRF APPLICATIONS

JOB NAME _____ **CONTRACTOR** _____

JOB LOCATION _____ **WHOLESALER** _____

ENGINEER _____ **STREAMLINE® REP** _____

PRODUCT DESCRIPTION:

Streamline® ACR Copper Press Fittings for use in HVAC and VRF applications. Available sizes ranging from 1/4" to 1-1/8" in outside diameter. Product is designed to join ASTM B280 and ASTM B88 hard-drawn copper tube (Types ACR, K, L) from 1/4" to 1-1/8" as well as ASTM B280 and ASTM B1003 soft (annealed) copper tube up to 7/8".

Streamline® ACR Press Fittings are compatible with the Milwaukee® Streamline® ACR Press Jaws and full-sized press tools.

10–Year Limited Warranty

MATERIAL:

Streamline® ACR Press Fittings are comprised of a mechanical press copper fitting (UNS C12200 Min 99.9% pure copper for the body) and engineered HNBR sealing rings.

KEY SPECIFICATIONS:

Streamline® ACR Press Fittings shall conform to material requirements of ASME B16.22 and B16.51. Streamline® ACR Press Fittings shall conform to certain aspects of UL 207, 109, 1963, and ISO 14903. Engineered HNBR sealing rings for press fittings shall be HNBR and factory installed. Product is rated for a maximum operating pressure of 700 PSI.

INSTALLATION:

Streamline® ACR Press Fittings shall be installed by trained professionals. Installers of Streamline® ACR Press Fittings shall use manufacturer approved tools, jaws, and equipment. Streamline® ACR Press Fittings shall be installed in compliance with the latest applicable building codes for the local jurisdiction and manufacturer instructions. Per International Mechanical Code (IMC) and Uniform Mechanical Code (UMC), mechanical joints shall not be used on annealed copper tube in sizes larger than 7/8" OD.

APPROVALS & CERTIFICATIONS:

UL 207	Standard for Refrigerant-Containing Components and Accessories
	UL Listed Refrigerant Fitting SA44401 - United States and Canada
	Approved use for field and factory installations
UL 1963	Standard for Refrigerant Recovery/Recycling Equipment
UL 109	7 Pull Test
	8 Vibration Test
ISO 5149-2	5.3.2.2.3 Strength Pressure Test
ISO 14903	Maximum Helium Leak Rate of 0.1 oz. Per Year
	7.4 Tightness Test
	7.6 Pressure Temperature Vibration Tests (PTV)
	7.8 Freezing Test

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APPROVALS & CERTIFICATIONS CONTINUED:

IMC	International Mechanical Code certified, ICC-ES, PMG-1625 2021, 2018, 2015, 2012, 2009, and 2006
IRC	International Residential Code certified, ICC-ES, PMG-1625 2021, 2018, 2015, 2012, 2009 and 2006
UMC	Uniform Mechanical Code certified, ICC-ES, PMG-1625 2021, 2018, 2015, 2012, 2009, and 2006
ASHRAE 15	Safety Standard for Refrigeration Systems
ASME B31.5	Refrigeration Piping and Heat Transfer Components
CSA C22.2	No. 140.3-15 Standard for Refrigerant-Containing Components for Use in Electrical Equipment

REFERENCES:

UNS C12200	99.9% Pure Copper
HNBR	Hydrogenated Acrylonitrile Butadiene Rubber
ASTM B88	Seamless Copper Water and Gas Tube (Types K and L)
ASTM B280	Seamless Copper Tube for Air Conditioning and Refrigeration
ASTM B1003	Seamless Copper Tube for Linesets

APPROVED APPLICATIONS:

Air Conditioning
Heat Pump
VRF and VRV
Light Commercial
Refrigeration
Non-Potable Water
Ethylene Glycol

OPERATING PARAMETERS:

Continuous Operating Pressure:	700 PSI / 48 BAR Max
Continuous Operating Temperature:	-40°F / -40°C to 250°F / 121°C
Sealing Ring Temperature Rating:	-40°F / -40°C to 300°F / 149°C

BURST PRESSURE:

>3x MAX OPERATING PRESSURE, 2100 PSI / 14400kPa / 144 BAR

VACUUM CAPABILITY:

200 microns

LEAK TIGHTNESS:

Helium ≤ 7.5 x10^{-7} Pa · m^3/s at 20°C and 10 BAR

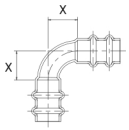
APPROVED REFRIGERANTS:

R-125, R-134a, R-32, R-404A, R-407A, R-407C, R-407F, R-407H, R-410A, R-417A, R-421A, R-422B, R-422D, R-427A, R-438A, R-444A, R-447A, R-447B, R-448A, R-449A, R-450A, R-452A, R-452B, R-452C, R-454A, R-454B, R-454C, R-457A, R-459A, R-507A, R-513A, R-513B, R-718, R-32, R-1234ze, R-1234yf, R-290, R-600A

APPROVED OILS:

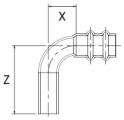
Mineral Oil, POE, PVE, PAO, PAG, and AB

90° ELBOW
P x P



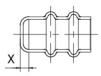
Item No.	Diameter OD	X	Wgt.	Inner
RP02715	1/4"	0.51	0.02	5
RP02716	3/8"	0.75	0.03	5
RP02717	1/2"	0.75	0.05	5
RP02722	5/8"	0.87	0.08	3
RP02728	3/4"	1.08	0.10	3
RP02734	7/8"	1.08	0.12	3
RP02747	1-1/8"	1.30	0.18	2

90° ELBOW • STREET
FTG x P



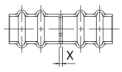
Item No.	Diameter OD	X	Z	Wgt.	Inner
RP02808	1/4"	0.51	1.56	0.01	5
RP02809	3/8"	0.75	1.87	0.03	5
RP02817	1/2"	0.75	1.93	0.05	5
RP02822	5/8"	0.87	2.19	0.07	3
RP02828	3/4"	1.08	2.42	0.09	3
RP02834	7/8"	1.08	2.52	0.12	3
RP02847	1-1/8"	1.30	2.83	0.17	2

CAP
P



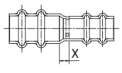
Item No.	Diameter OD	X	Wgt.	Inner
RP07002	1/4"	0.10	0.01	5
RP07004	3/8"	0.16	0.01	5
RP07006	1/2"	0.18	0.02	5
RP07007	5/8"	0.22	0.03	2
RP07008	3/4"	0.18	0.04	2
RP07009	7/8"	0.18	0.05	2
RP07011	1-1/8"	0.18	0.07	1

COUPLING • STAKED STOP
P x P



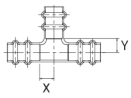
Item No.	Diameter OD	X	Wgt.	Inner
RP10141	1/4"	0.08	0.01	5
RP10143	3/8"	0.08	0.02	5
RP10144	1/2"	0.08	0.04	5
RP10145	5/8"	0.08	0.06	5
RP10157	3/4"	0.08	0.07	2
RP10146	7/8"	0.08	0.09	2
RP10147	1-1/8"	0.08	0.12	2

COUPLING • REDUCING
P x P



Item No.	Diameter OD	X	Wgt.	Inner
RP01011	3/8" x 1/4"	0.24	0.03	5
RP01019	1/2" x 3/8"	0.24	0.03	5
RP01023	5/8" x 1/2"	0.24	0.05	2
RP01029	3/4" x 5/8"	0.24	0.06	2
RP01035	7/8" x 3/4"	0.24	0.08	2
RP01049	1 1/8" x 7/8"	0.31	0.12	1

TEE
P x P x P



Item No.	Diameter OD	X	Y	Wgt.	Inner
RP04000	3/8"	0.39	0.39	0.09	5
RP04001	1/2"	0.47	0.47	0.16	5
RP04006	5/8"	0.55	0.55	0.21	2
RP04017	3/4"	0.59	0.59	0.25	2
RP04031	7/8"	0.67	0.67	0.32	2
RP04048	1-1/8"	0.79	0.79	0.41	1