

MAXLINE[®]
BY RAPIDAIR



INDUSTRIAL
Compressed Air
Piping System

SIZES: ½" to 2"





Installation

- Long tubing rolls allow for fewer joints
- Compression fittings reduce labor
- Bury underground or underneath concrete
- Expand or modify the system layout with ease



Versatile

- Install in small shops to large manufacturing facilities
- On wall, in wall and underground applications
- Connect to any existing piping system



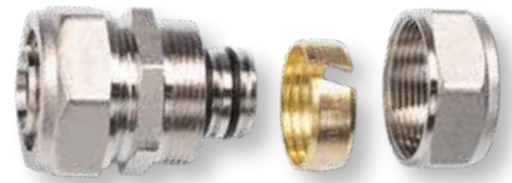
Air Quality-Energy Efficient

- No corrosion with HDPE tubing and nickel plated fittings
- Double o-ring design ensures leak free joints
- Efficient flowing smooth inner wall



Burial

- This product can be direct buried in the soil or under concrete
- Wrap all fittings underground and do a pressure test before covering



Compression Fittings

- 200 psi at 73°F
- 160 psi at 140°F
- Nickel Plated Brass
- Double O-Ring Seal: Nitrile
- ASTM F1282
- ASTM F1974



Press Fittings

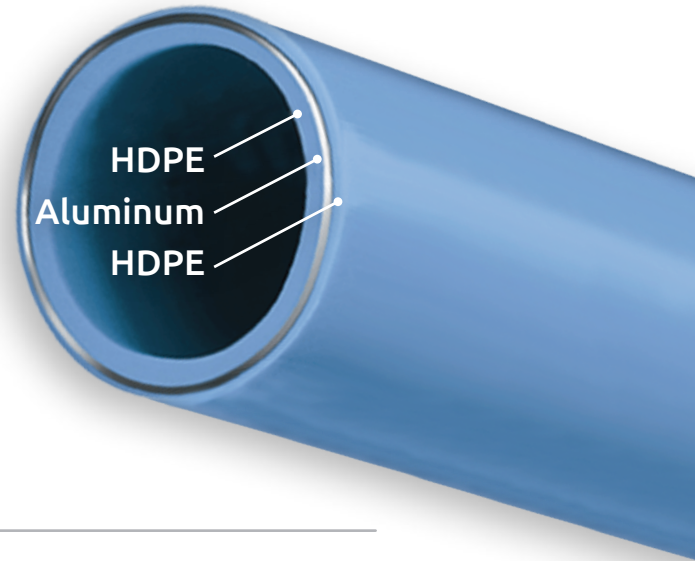
- 232 psi at 73°F
- 180 psi at 140°F
- Nickel Plated Brass Body
- Stainless Steel Crimp Sleeve
- Double O-Ring Seal: Nitrile
- ASTM F1282
- ASTM F3374





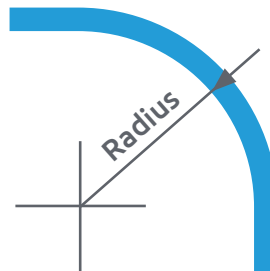
Tubing

- Multi-Layer semi flexible tubing
- Inner and outer layer - HDPE
- Center layer - aluminum
- Sizes measured on inside diameter
- -40°F to 140°F
- Compressed air
- Inert gas
- OSHA compliant

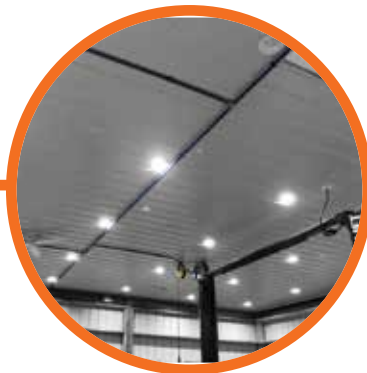


Bend Radius



- 1/2" Tubing: 4-6 inches
- 3/4" Tubing: 8-10 inches
- 1" Tubing: 10-12 inches
- 2" Tubing: 36-48 inches



MaxLine will hold any bent shape.




Warnings

- Compressed air is DANGEROUS if not used properly
- Always use EYE PROTECTION when using compressed air 
- DO NOT POINT compressed air at your body or any person
- Pressurize system SLOWLY
- TURN OFF air compressor when not in use
- CHECK local building codes before installation
- ALWAYS RELIEVE the system pressure when installing or performing maintenance
- Systems must have a SAFETY RELIEF valve installed at the compressed air source to prevent over pressurization
- When using MaxLine in direct sunlight, cover or paint the plastic tubing to protect from UV exposure (Fittings need no covering and can be exposed) 
- Keep children away from the system

MaxLine is NOT designed:

- To be glued
- To take violent impacts
- To be used where the compressed air temperature is above 140° F
- For environments of caustic or corrosive chemicals

 **WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.
Wash hands after handling.
CONTAINS LEAD: MAY BE HARMFUL IF EATEN OR CHEWED. MAY GENERATE DUST CONTAINING LEAD. KEEP OUT OF THE REACH OF CHILDREN.

Installation Tips & Recommendations

MAXLINE INSTALLATION TRAINING: Care must be taken on any installation of the MaxLine system. Tubing will be carrying compressed air/gas up to 200 psi. The MaxLine system is only as safe as a thorough installation. Read all installation instructions and watch installation videos before starting. Below are some tips for a safe installation.

Each shipment will contain installation instructions, if you do not receive them please call immediately 800-954-3310. Videos can be found at www.rapidairproducts.com. *We strongly recommend that the installer contact our tech department for installation questions PRIOR to the installation.*

- **CUT** the tubing **STRAIGHT** with the supplied cutter; do not use a hacksaw.
- **CHAMFER** the end of the tubing with the supplied tool. When pushing the tubing into the fitting, the o-ring must insert smoothly. If the end of the tube is sharp, it will cut the o-ring and **CAUSE LEAKS**. Use a spray bottle with a couple of drops of dish soap and fill it with water for lubrication.
- **TUBING** must be **INSERTED** into the fitting fully to the shoulder inside.
- Fitting nuts must be tightened to a minimum of 3/4 of a turn.
- Support the tubing with clips/ hangers.
- Any machine/compressor plumbed to the system must have a **JUMPER HOSE** to reduce vibration.
- **DO NOT USE** MaxLine for **PULSING** desiccant dryers or other like equipment.
- **CAUTION** installing inert gas bulk tank systems, gas must be warmed up to MaxLine temperature range.
- **DO NOT** connect quick couplings for air hoses to reducing elbows or tee fittings. The constant connecting/ disconnecting and pulling or air hoses could loosen the fitting. Use the MaxLine **WALL OUTLET** which can be secured to a wall or post. Any hoses attached in the ceiling area to a fitting must use a strain relief attached to the building structure.
- Assemble all NPT **PIPE THREADS** with two wraps of Thread tape and then pipe sealant which prevents thread galling.
- **CHECK** that all fittings are tightened before pressurizing the system for the first time.
- For initial installation, pressurize system **SLOWLY** to 50 psi and check for leaks, then pressurize slowly to MAX 200 psi.
- **AFTER 24 HOURS** of being pressurized, depressurize the system and **RETIGHTEN** the compression nuts. Some settling of components may have occurred. This is not optional, it must be done.
- Make sure compressor output temperature does not exceed **140° F**.

**PRODUCTS MANUFACTURED BY THE SELLER CARRY A LIMITED WARRANTY.
SEE WWW.RAPIDAIRPRODUCTS.COM FOR MORE DETAILS.**

Tubing

Blue



SIZE	PART #	OUTSIDE	INSIDE	LENGTH
1/2"	M6026	.63 in.	.50 in.	100 ft
1/2"	M6027	.63 in.	.50 in.	300 ft
3/4"	M6030	.98 in.	.80 in.	100 ft
3/4"	M6031	.98 in.	.80 in.	300 ft
1"	M6032	1.26 in.	1.02 in.	100 ft
1"	M6033	1.26 in.	1.02 in.	300 ft
2"	M6520	2.50 in.	2.00 in.	200 ft

Green



SIZE	PART #	OUTSIDE	INSIDE	LENGTH
1/2"	M6026G	.63 in.	.50 in.	100 ft
1/2"	M6027G	.63 in.	.50 in.	300 ft
3/4"	M6030G	.98 in.	.80 in.	100 ft
3/4"	M6031G	.98 in.	.80 in.	300 ft
1"	M6032G	1.26 in.	1.02 in.	100 ft
1"	M6033G	1.26 in.	1.02 in.	300 ft

Mount Clips 10 pack



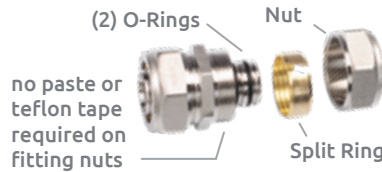
SIZE	PART #	SPACING
1/2"	M8064	3 ft
3/4"	M8065	5 ft
1"	M8066	5 ft

Strut Clamp for 1 1/8" strut



SIZE	PART #	SPACING
1/2"	ST010T062	3 ft
3/4"	F0022	5 ft
1"	ST035NP100	5 ft
2"	ST068T250	8 ft

1/2" - 3/4" - 1" Compression Fittings



1 CUT the tubing square with the cutter, ROTATING wrist while cutting

2 BEVEL the inside of the tubing by inserting the reaming tool and rotating it at least 3 full turns. Use:

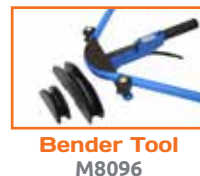
- Peg #32 for 1" tubing
- Peg #25 for 3/4" tubing
- Peg #16 for 1/2" tubing

Remove nut and split ring from fitting and place on tubing

3 PUSH the fitting onto the tubing and fully against the shoulder of the fitting (soapy water will help this process)

4 TURN the nut hand tight. Put a reference mark on the nut and fitting body

5 TIGHTEN nut with wrench a minimum 3/4 of a turn or until tight



1/2" - 3/4" - 1" Press Fittings



1 CUT the tubing square with the cutter, ROTATING wrist while cutting

2 BEVEL the inside of the tubing by inserting the reaming tool and rotating it at least 3 full turns. Use:

- Peg #32 for 1" tubing
- Peg #25 for 3/4" tubing
- Peg #16 for 1/2" tubing

3 MARK from the end of tubing for insertion depth:

- 1/2" tubing = 3/4"
- 3/4" tubing = 1 1/8"
- 1" tubing = 1 1/8"

4 PUSH the fitting onto the tubing and fully against the shoulder of the fitting (soapy water will help this process)

5 CRIMP the fitting with the RapidAir hand tool with correct jaw size



Nickel Plated Brass 1/2" - 1" Compression Fittings

Union



SIZE	PART NUMBER
1/2" x 1/2"	M8021
1/2" x 3/4"	M8024
1/2" x 1"	M8020
3/4" x 3/4"	M8022
3/4" x 1"	M8025
1" x 1"	M8023

Elbow



SIZE	PART NUMBER
1/2"	M8080
3/4"	M8067
1"	M8068

Tee



SIZE	PART NUMBER
1/2"	M8010
3/4"	M8011
1"	M8012

Cross



SIZE	PART NUMBER
1/2"	M8041
3/4"	M8042
1"	M8043

Reducing Tee



SIZE	PART NUMBER
3/4" x 1/2" x 3/4"	M8014
1" x 1/2" x 1"	M8016
1" x 3/4" x 1"	M8018

Reducing Tee Female NPT



SIZE	PART NUMBER
1/2" x 1/2" NPT x 1/2"	M8019
3/4" x 1/2" NPT x 3/4"	M8078
1" x 3/4" NPT x 1"	M8089

Male NPT



SIZE	PART NUMBER
1/2" x 3/8" NPT	M8001
1/2" x 1/2" NPT	M8002
3/4" x 1/2" NPT	M8005
3/4" x 3/4" NPT	M8003
1" x 3/4" NPT	M8015
1" x 1" NPT	M8004

Male NPT Elbow



SIZE	PART NUMBER
1/2" x 1/2" NPT	M8085
3/4" x 1/2" NPT	M8086
3/4" x 3/4" NPT	M8088
1" x 1" NPT	M8090

Inline Valve



SIZE	PART NUMBER
1/2"	M8038
3/4"	M8039
1"	M8040

End Cap



SIZE	PART NUMBER
1/2"	M8026
3/4"	M8027
1"	M8028

SPARE PARTS O-Ring



SIZE	PART NUMBER
1/2"	M8054
3/4"	M8055
1"	M8056

SPARE PARTS Split Ring



SIZE	PART NUMBER
1/2"	M8047
3/4"	M8048
1"	M8049

Nickel Plated Brass 1/2" - 1" Compression Fittings

Single Port Elbow



INLET TUBING SIZE	PART NUMBER
1/2" x 1/2" NPT	M8009

Female NPT



INLET TUBING SIZE	PART NUMBER
1/2" x 1/2" NPT	M8006
3/4" x 3/4" NPT	M8007
1" x 1" NPT	M8008

STAINLESS STEEL Male NPT



INLET TUBING SIZE	PART NUMBER
1/2" x 1/2" NPT	M8030
3/4" x 3/4" NPT	M8031
1" x 1" NPT	M8032

STAINLESS STEEL Tee



INLET TUBING SIZE	PART NUMBER
1/2"	M8033
3/4"	M8034
1"	M8035



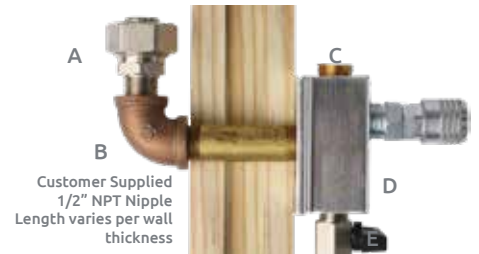
Single Port Outlet

INLET TUBING SIZE	PART #	OUTLET
1/2"	M3810	1/4" NPT
3/4"	M7510	1/2" NPT



Single Port Outlet with Shutoff

INLET TUBING SIZE	PART #	OUTLET
1/2"	M3810V	1/4" NPT
3/4"	M7510V	1/2" NPT



Thru Wall Outlet

INLET TUBING SIZE	PART #	OUTLET
1/2"	M3810W	1/4" NPT
3/4"	M7510W	1/2" NPT

(Kit includes A, B, C, D, E)



Wall Outlet (HAS BOTTOM MOISTURE DRAIN)

Each side of outlet has an extra 1/2" NPT port 2 plugs included



INLET TUBING SIZE	PART NUMBER	OUTLET
1/2"	M8200	1/2" NPT x 4
3/4"	M8201	1/2" NPT x 4
1"	M8203	1/2" NPT x 4



Wall Outlet w/ Shutoff (HAS BOTTOM MOISTURE DRAIN)

INLET TUBING SIZE	PART NUMBER	OUTLET
1/2"	M8200V	1/2" NPT x 4
3/4"	M8201V	1/2" NPT x 4
1"	M8203V	1/2" NPT x 4

Press Fittings 1/2" - 2"

Union



SIZE	PART NUMBER
1/2" x 1/2"	MC8021
1/2" x 3/4"	MC8024
1/2" x 1"	MC8020
3/4" x 3/4"	MC8022
3/4" x 1"	MC8025
1" x 1"	MC8023
2" x 2"	M8525

Elbow



SIZE	PART NUMBER
1/2"	MC8080
3/4"	MC8067
1"	MC8068
2"	M8535

Tee



SIZE	PART NUMBER
1/2"	MC8010
3/4"	MC8011
1"	MC8012
2"	M8530



Reducing Tee



SIZE	PART NUMBER
3/4" x 1/2" x 3/4"	MC8014
1" x 1/2" x 1"	MC8016
1" x 3/4" x 1"	MC8018

Reducing Tee Female NPT



SIZE	PART #
1/2" x 1/2" NPT x 1/2"	MC8019
3/4" x 1/2" NPT x 3/4"	MC8078
1" x 3/4" NPT x 1"	MC8089
2" x 1" NPT x 2"	M8531

Replacement O-Ring 10 Pack



SIZE	PART NUMBER
1/2"	MC8054-10
3/4"	MC8055-10
1"	MC8056-10
2"	MC8059-10

Press Tool



SIZE	PART NUMBER
1/2" x 3/4" x 1"	MC8092



Single Port Wall Outlet

INLET TUBING SIZE	SINGLE PORT PART NUMBER	SINGLE PORT W/ SHUTOFF PART NUMBER	OUTLET NPT
1/2"	MC3810	MC3810V	1/4"
3/4"	MC7510	MC7510V	1/2"



Multiport Wall Outlet

INLET TUBING SIZE	MULTI PORT PART NUMBER	MULTI PORT W/ SHUTOFF PART NUMBER	OUTLET NPT
1/2"	MC8200	MC8200V	1/2"x4
3/4"	MC8201	MC8201V	1/2"x4
1"	MC8203	MC8203V	1/2"x4

Thru Wall Outlet

INLET TUBING SIZE	PART #	OUTLET
1/2"	MC3810W	1/4" NPT
3/4"	MC7510W	1/2" NPT



Press Fittings 1/2" - 2"

Male NPT



SIZE	PART #
1/2" x 3/8" NPT	MC8001
1/2" x 1/2" NPT	MC8002
3/4" x 1/2" NPT	MC8005
3/4" x 3/4" NPT	MC8003
1" x 3/4" NPT	MC8015
1" x 1" NPT	MC8004
2" x 1" NPT	M8541
2" x 2" NPT	M8542

Male NPT Elbow



SIZE	PART #
1/2" x 1/2" NPT	MC8085
3/4" x 1/2" NPT	MC8086
3/4" x 3/4" NPT	MC8088
1" x 1" NPT	MC8090

Inline Valve



SIZE	PART #
1/2"	MC8038
3/4"	MC8039
1"	MC8040

Single Port Elbow



SIZE	PART #
1/2"	MC8009

Female NPT



SIZE	PART #
1/2" x 1/2" NPT	MC8006
3/4" x 3/4" NPT	MC8007

End Cap



SIZE	PART #
1/2"	MC8026
3/4"	MC8027
1"	MC8028

Installation 2"

- CUT** the tubing square with the wheeltype cutter, apply extra pressure so wheel does not walk out of cut groove.
- APPLY** soapy water to the ALUMINUM plunger. Use a soft hammer to pound the plunger into the tubing and back out again (this makes the tubing round after cutting).
- BEVEL** the inside of the tubing with the reaming tool. Rotating repeatedly until a large chamfer forms.



- APPLY** soapy water to the fitting and tubing end. Put crimp sleeve on the tubing, and push fitting stem into the tubing fully.



- CRIMP** fitting 3 times with hydraulic tool, each 120 degrees apart.



- COMPLETED** crimp.



Bevel Tool M8595 2"



Cutter M8551 2"



Crimp Tool M8590 2"



2" Jaw Tool Only M8591

Accessories

Safety Quick Coupler



30 CFM INDUSTRIAL STYLE TYPE M

PART NUMBER	MALE THREAD SIZE
K7221	1/4" NPT
K7241	1/2" NPT



PART NUMBER	FEMALE THREAD SIZE
K7220	1/4" NPT

Quick Coupler Plugs



PART NUMBER	MALE THREAD SIZE
K5221	1/4" NPT



PART NUMBER	FEMALE THREAD SIZE
K5220	1/4" NPT

70 CFM INDUSTRIAL STYLE TYPE H

PART NUMBER	MALE THREAD SIZE
K9231	3/8" NPT
K9241	1/2" NPT

PART NUMBER	FEMALE THREAD SIZE
K9230	3/8" NPT
K9240	1/2" NPT

PART NUMBER	MALE THREAD SIZE
K8221	1/4" NPT
K8231	3/8" NPT
K8241	1/2" NPT

PART NUMBER	FEMALE THREAD SIZE
K8220	1/4" NPT
K8230	3/8" NPT
K8240	1/2" NPT



Filter Regulator

PART NUMBER	PORT SIZE
K93215	3/8" NPT
K93216	1/2" NPT
K93217	3/4" NPT
K93218	1" NPT



Vertical Filter Regulator

PART NUMBER	PORT SIZE
K96075	3/4" NPT
K96050	1/2" NPT



Push on rubber hose

PART NUMBER	SIZE	LENGTH
F0238-160	3/8"	160 ft.
F0238-FT	3/8"	By the ft.
F0250-160	1/2"	160 ft.
F0250-FT	1/2"	By the ft.



Female Swivel NPT

PART NUMBER	HOSE SIZE	THREAD SIZE
F0243	3/8"	1/4" NPT
F0244	3/8"	1/2" NPT
F0252	1/2"	1/2" NPT



Male NPT

PART NUMBER	HOSE SIZE	THREAD SIZE
F0240	3/8"	1/4" NPT
F0241	3/8"	3/8" NPT
F0242	3/8"	1/2" NPT
F0251	1/2"	1/2" NPT



Hose Reel

PART NUMBER	SIZE	LENGTH
R-03050	3/8"	50 ft.
R-03075	3/8"	75 ft.
R-05050	1/2"	50 ft.
R-05100	1/2"	100 ft.



Aluminum Manifolds

PART NUMBER	INLET SIZE	# OF PORTS	OUTLET PORTS
H-50-25-4	1/2" NPT	4	1/4" NPT
H-50-25-5	1/2" NPT	5	1/4" NPT
H-50-50-4	1/2" NPT	4	1/2" NPT
H-50-50-5	1/2" NPT	5	1/2" NPT
H-75-50-3	3/4" NPT	3	1/2" NPT
H-75-50-4	3/4" NPT	4	1/2" NPT
H-75-50-5	3/4" NPT	5	1/2" NPT
H-75-75-3	3/4" NPT	3	3/4" NPT
H-75-75-4	3/4" NPT	4	3/4" NPT
H-75-75-5	3/4" NPT	5	3/4" NPT
H-100-75-3	1" NPT	3	3/4" NPT
H-100-75-4	1" NPT	4	3/4" NPT
H-100-75-5	1" NPT	5	3/4" NPT

Moisture Separator Filter



Moisture Separator 230 psi Max, 35°F -176°F

M=Remove water up to one quart per minute, auto float drain

Pressure Regulator

R=Pressure Regulator, adjustable to 125 psi

Compressed Air Filters 230 psi Max, 35°F -176°F ISO8573.1:2010

	PARTIAL REMOVAL MICRON	OIL REMOVAL PPM	GAUGE	AUTO DRAIN
P=Pre Filter	5.0	5.0	YES	YES
X=General Purpose	1.0	0.5	YES	YES
Y=Coalescing (Oils)	0.01	0.01	YES	YES
A=Activated Carbon (Odor)	0.01	0.003	YES	YES

THREAD SIZE	FLOW RATE	M MOISTURE SEPARATOR UNIT	P FILTER UNIT	P REPLACE-MENT ELEMENT	X FILTER UNIT	X REPLACE-MENT ELEMENT	Y FILTER UNIT	Y REPLACE-MENT ELEMENT	A FILTER UNIT	A REPLACE-MENT ELEMENT
1/4" NPT	15 CFM	AM-025	AF-025P	AE-025P	AF-025X	AE-025X	AF-025Y	AE-025Y	AF-025A	AE-025A
1/2" NPT	60 CFM	AM-050	AF-050P	AE-050P	AF-050X	AE-050X	AF-050Y	AE-050Y	AF-050A	AE-050A
3/4" NPT	90 CFM	AM-075	AF-075P	AE-075P	AF-075X	AE-075X	AF-075Y	AE-075Y	AF-075A	AE-075A
1" NPT	150 CFM	AM-100	AF-100P	AE-100P	AF-100X	AE-100X	AF-100Y	AE-100Y	AF-100A	AE-100A
1 1/2" NPT	350 CFM	AM-150	AF-150P	AE-150P	AF-150X	AE-150X	AF-150Y	AE-150Y	AF-150A	AE-150A
2" NPT	500 CFM	AM-200	AF-200P	AE-200P	AF-200X	AE-200X	AF-200Y	AE-200Y	AF-200A	AE-200A
3" NPT	1100 CFM	AM-300	AF-300P	AE-300P	AF-300X	AE-300X	AF-300Y	AE-300Y	AF-300A	AE-300A



3-Stage w/ Pressure Regulator

125 psi max outlet pressure

Point of Use Combination Units

THREAD SIZE	FLOW RATE	2 STAGE	2 STAGE W/R	3 STAGE	3 STAGE W/R	WALL MOUNT
1/4" NPT	15 CFM	AA-025MY	AA-025MYR	AA-025MYA	AA-025MYAR	AA-025W
1/2" NPT	60 CFM	AA-050MY	AA-050MYR	AA-050MYA	AA-050MYAR	AA-050W
3/4" NPT	90 CFM	AA-075MY	AA-075MYR	AA-075MYA	AA-075MYAR	AA-075W
1" NPT	150 CFM	AA-100MY	AA-100MYR	AA-100MYA	AA-100MYAR	AA-100W



Refrigerated Air Dryer – Digital Cycling

High Efficiency, Microprocessor controlled cycling 3 in 1 Heat Exchanger
Integrated Inlet Filter (X) and Outlet Filter (Y)

FLOW RATE	THREAD SIZE	PART NUMBER	VOLTS
25 CFM	1/2" NPT	RNC-0025	115v
50 CFM	3/4" NPT	RNC-0050	115v
75 CFM	3/4" NPT	RNC-0075	115v
125 CFM	1 1/2" NPT	RNC-0125	115v

MAXLINE[®]

BY RAPIDAIR



**Ask us about our new
RapidAir System Designer**

Design your air system in minutes!

