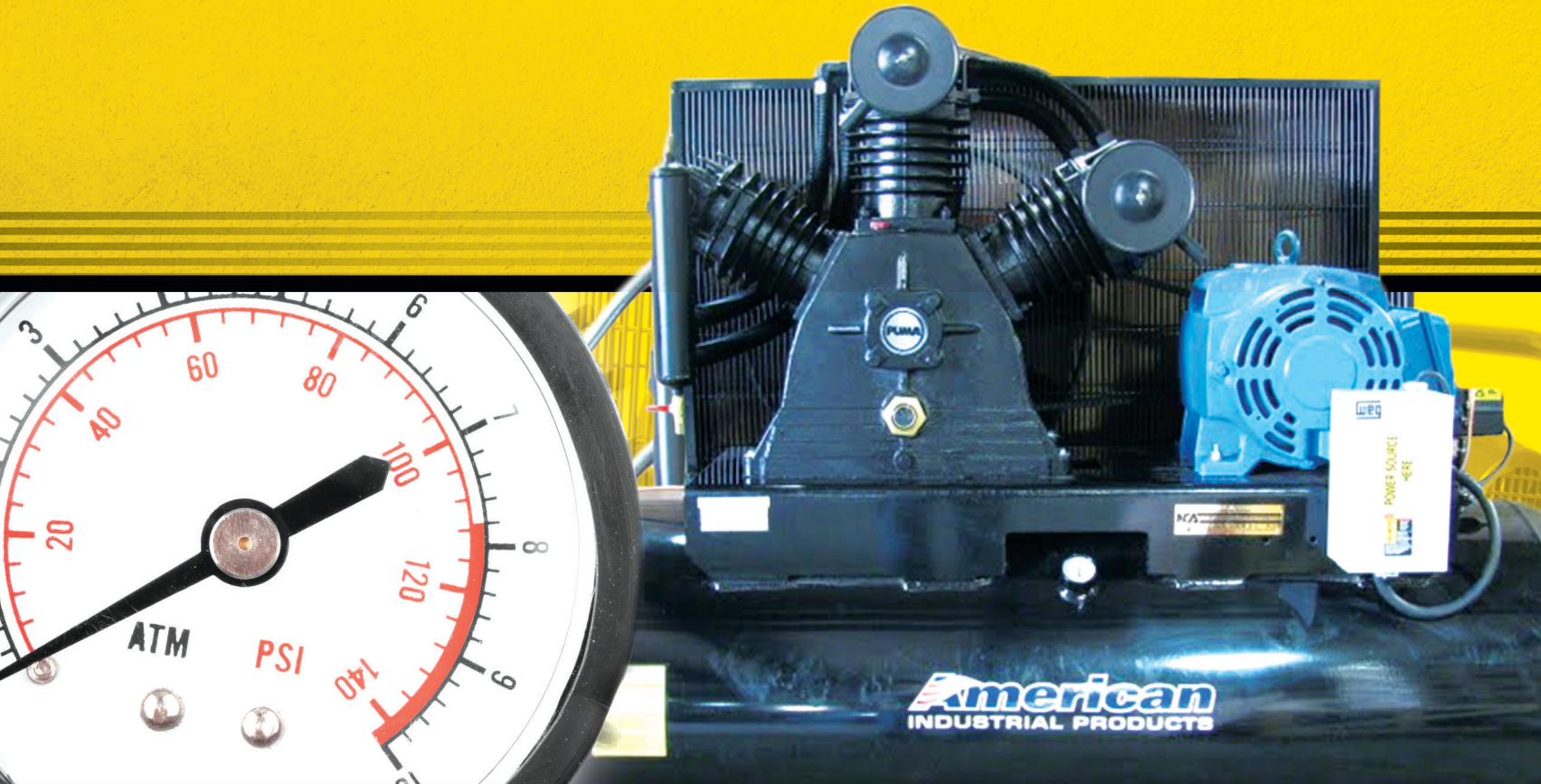




NORTH CENTRAL AIR



air compressors

PRODUCT CATALOG



North Central Air started in 1982 by owner Rex Moubry and his wife Sherry. Since then North Central Air is has grown to a nationwide business providing customers all over the country with high quality air compressors and accessories at the lowest price. North Central Air provides a huge inventory and in house assembly. Needing help or have a question: Just call or email Rex, Brett, or Matt and they will be sure to assist.



Product Catalog

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LA5706

- OILESS COMPRESSOR
- 3 CFM @ 125 PSI
- 1.5 GALLON TANK
- 110 VOLTAGE

LENGTH 18" HEIGHT 17" WIDTH 13" WEIGHT 32LB



LA5721

- OILESS COMPRESSOR
- 3 CFM @ 125 PSI
- 3 GALLON TANK
- 110 VOLTAGE

LENGTH 16" HEIGHT 16" WIDTH 13" WEIGHT 40LB



PD1006

- OILESS COMPRESSOR
- 3 CFM @ 125 PSI
- 1.5 GALLON TANK
- 12 VOLTAGE

LENGTH 18" HEIGHT 17" WIDTH 8" WEIGHT 32LB



PD1021

- OILESS COMPRESSOR
- 3 CFM @ 125 PSI
- 3 GALLON TANK
- 12 VOLTAGE

LENGTH 16" HEIGHT 16" WIDTH 13" WEIGHT 38LB



DP2022S

- OIL TYPE COMPRESSOR
- 5 CFM @ 125 PSI
- 4 GALLON TANK
- 110 VOLTAGE

LENGTH 18-3/4" HEIGHT 18" WIDTH 17-3/4" WEIGHT 72LB



PK5020H

- OIL TYPE CAST IRON COMPRESSOR
- BELT DRIVE
- 7 CFM @ 125 PSI
- 20 GALLON HORIZONTAL TANK
- 110/220 VOLTAGE
- HEIGHT 31" WIDTH 41"
- DEPTH 21" WEIGHT 192LB



PK5020VP

- OIL TYPE CAST IRON COMPRESSOR
- BELT DRIVE
- 7 CFM @ 125 PSI
- 20 GALLON VERTICAL TANK
- 110/220 VOLTAGE
- HEIGHT 43-1/2" DEPTH 20"
- WIDTH 23" WEIGHT 192LB



PK5025

- OIL TYPE CAST IRON COMPRESSOR
- BELT DRIVE
- 7.8 CFM @ 150 PSI
- 25 GALLON HORIZONTAL TANK
- 110 VOLTAGE
- HEIGHT 30" WIDTH 41"
- DEPTH 17"



PK5040

- OIL TYPE CAST IRON COMPRESSOR
- HEAD UNLOADERS
- BELT DRIVE
- 40 GALLON VERTICAL TANK
- 110/220 VOLTAGE



PUK4008MDC

- 10 CFM @ 125PSI
- SNGL STAGE IRON COMPRESSOR
- HEAD UNLOADERS
- DUAL CONTROL
- BELT DRIVE
- 8 GALLON TWIN TANK
- 110/220 VOLTAGE
- LENGTH 39" HEIGHT 24"
- WIDTH 19" WEIGHT 202LB



PUK5508G

- 12 CFM @ 125 PSI
- SNGL STAGE IRON COMPRESSOR
- HEAD UNLOADERS
- BELT DRIVE
- 8 GALLON TWIN TANK
- GX160 HONDA ENGINE
- PULL START
- (ELECTRIC START AVAILABLE ON REQUEST)
- LENGTH 45" HEIGHT 27"
- WIDTH 19-1/4" WEIGHT 186LB



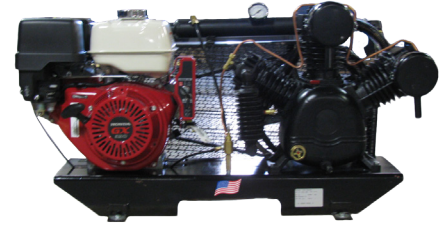
PUK8008G

- 22CFM DISP.
- SNGL STAGE CAST IRON COMPRESSOR
- HEADLESS UNLOADERS
- BELT DRIVE
- 8 GALLON TWIN TANK
- GX240 HONDA ENGINE
- ELECTRIC AND PULL START
- LENGTH 39" HEIGHT 29"
- WIDTH 20" WEIGHT 252LB



PUK6008RGE

- 12 CFM @ 125PSI
- SNGL STAGE CAST IRON COMPRESSOR
- HEAD UNLOADERS
- BELT DRIVE
- 8GALLON TWIN TANK
- EX170 SUBARU ENGINE
- ELECTRIC START & PULL START
- COMES WITH THE BATTERY
- LENGTH 45" HEIGHT 27"
- WIDTH 19-1/4" WEIGHT 190LBS



TUE8008G

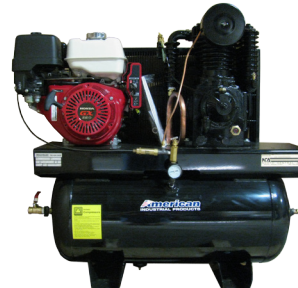
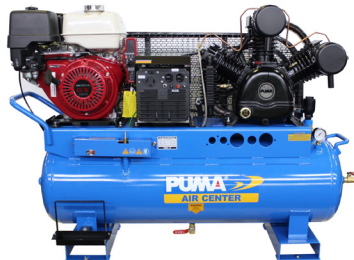
- 14.7CFM @ 175PSI
 - TWO STAGE CAST IRON COMPRESSOR
 - HEAD UNLOADERS
 - BELT DRIVE
 - 8 GALLON TWIN TANK
 - GX240 HONDA ENGINE
 - ELECTRIC AND PULL START
- HEIGHT 29" LENGTH 39"
WIDTH 20" WEIGHT 257LB

TUK13030HGE

- 24CFM DISP.
 - TWO STAGE CAST IRON COMPRESSOR
 - HEAD UNLOADERS
 - BELT DRIVE
 - 8 GALLON TWIN TANK
 - GX390 HONDA ENGINE
 - ELECTRIC AND PULL START
- HEIGHT 40" LENGTH 46"
DEPTH 21" WEIGHT 434LB

TUK13BP

- 24CFM DISP.
 - ELECTRIC AND PULL START ENGINE
 - GX390 13HP HONDA ENGINE
 - 3 CYLINDER CAST IRON PUMP WITH HEAD UNLOADERS
- HEIGHT 23" LENGTH 45" DEPTH 17"



TUK13010GC

- 24CFM DISP.
 - GX390 HONDA PULL START & ELECTRIC START
 - 3 CYL TWO STAGE CAST IRON PUMP
 - 3000 WATT GENERATOR
 - HEAD UNLOADERS
 - IDLE SWITCH FOR COMPRESSOR USE
- HEIGHT 32" DEPTH 25"
LENGTH 52" WEIGHT 440LB

TUK13030GC

- 24CFM DISP.
 - GX390 PULL & ELECTRIC START
 - CYL TWO STAGE CAST IRON
 - HEAD UNLOADERS
 - 3000 WATT GENERATOR
 - IDLE SWITCH
 - GX390 HONDA ENGINE
 - ELECTRIC AND PULL START
- HEIGHT 45" LENGTH 62"
DEPTH 25" WEIGHT 490LB

CI513030HGE

- 21 CFM @ 175 PSI
 - TWO STAGE CAST IRON
 - HEAD UNLOADERS
 - BELT DRIVE
 - 8 GALLON TWIN TANK
 - GX390 HONDA ENGINE
 - ELECTRIC AND PULL START
- HEIGHT 31" LENGTH 46"
DEPTH 21" WEIGHT 460LB

CI130GEH34

- GX390 HONDA PULL START & ELECTRIC START
 - 2 CYL TWO STAGE CAST IRON
 - 5000 WATT GENERATOR
 - 250 AMP WELDER
 - HEAD UNLOADERS
 - AFTER COOLER
 - BATTERY
- LENGTH 54" HEIGHT 43"
DEPTH 24" WEIGHT 580LB



PK6060V

- 12 CFM @ 125 PSI
 - 60 GALLON VERTICAL TANK
 - SINGLE STAGE CAST IRON
 - BELT DRIVE
 - 220 VOLTAGE
- HEIGHT 65" WIDTH 27"
DEPTH 19" WEIGHT 246LB

PK6560V

- 19CFM @ 125PSI
 - MAX PRESSURE 145 PSI
 - 60 GALLON VERTICAL TANK
 - SINGLE STAGE 3 CYL CAST IRON
 - RADIAL DESIGN OFFERS SMOOTH AND QUIET OPERATION
 - 220 VOLTAGE
- HEIGHT 65" WIDTH 27"
DEPTH 19" WEIGHT 246LB

TE6580

- 15CFM @150PSI
 - 3 HP 21AMP MOTOR
 - 3 CYL CAST IRON 2 STG PUMP
 - 220 VOLTAGE
 - RADIAL DESIGN PUMP OFFERS COOL AND QUIET OPERATION
- HEIGHT 68" WIDTH 37"
DEPTH 25" WEIGHT 376LB



PK7080

- 19CFM @ 125PSI
 - 80 GALLON TANK
 - SINGLE STAGE CAST IRON
 - BELT DRIVE
 - 220 VOLTAGE
- HEIGHT 68" WIDTH 37"
DEPTH 25" WEIGHT 376LB

TK5080VM

- 21 CFM @ 175PSI
 - 80 GALLON TANK
 - TWO STAGE CAST IRON
 - BELT DRIVE
 - 5HP ELECTRIC MORTOR
 - MAG STARTER INCLUDED
- HEIGHT 71" WIDTH 37"
DEPTH 25" WEIGHT 516LB

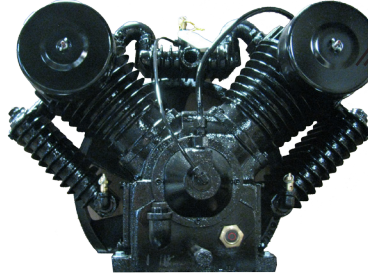
TK7580VM

- 24CFM @175PSI
 - 80 GALLON TANK
 - TWO STAGE CAST IRON
 - BELT DRIVE
 - 7.5HP ELECTRIC MOTOR
 - MAG STARTER INCLUDED
- HEIGHT 71" WIDTH 37"
DEPTH 25" WEIGHT 546LB



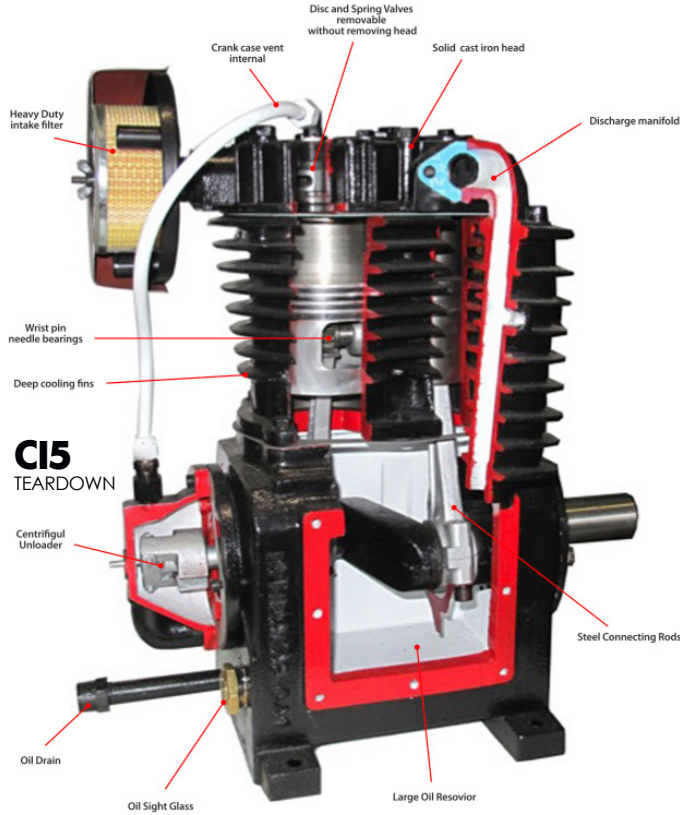
CI5

- 2 CYLINDER
- 16.75" FLYWHEEL 2 BELT
- 2 STAGE 24 CFM DISPLACEMENT
- DISC VALVES

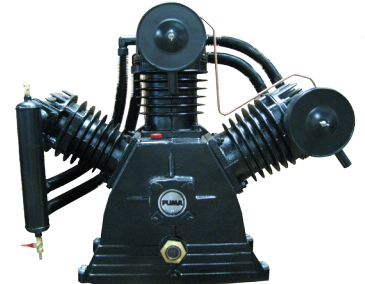
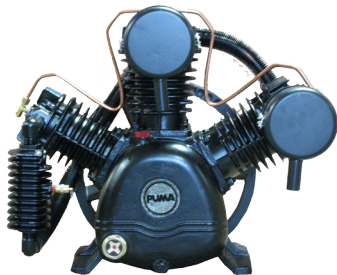
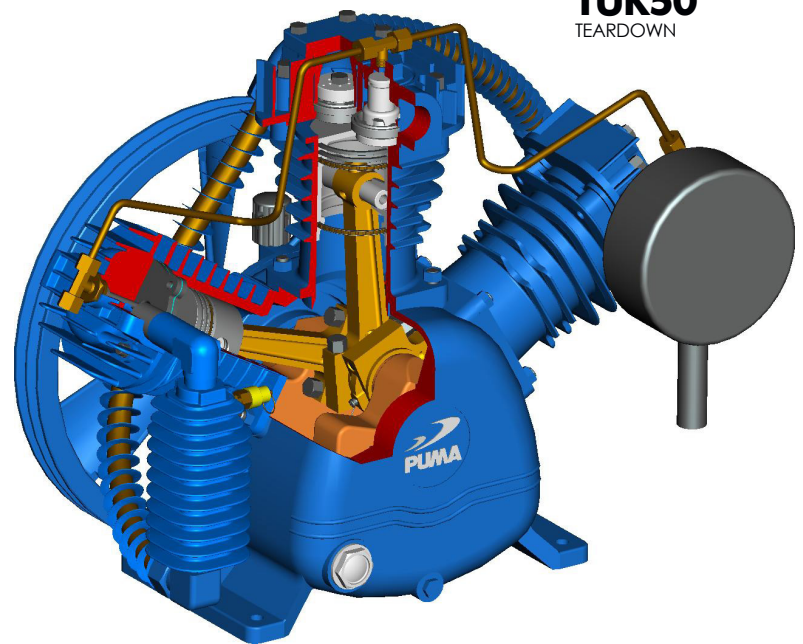


CI10

- 4 CYLINDER CAST IRON PUMP
- WITH OR W/O HEAD UNLOADERS
- 40 CFM
- SPLASH LUBRICATED



CI5
TEARDOWN



TUK50

- 3 CYLINDER CAST IRON
- HEAD UNLOADERS
- SPLASH LUBRICATED
- 24 CFM

PUK60

- 2 CYLINDER
- 10.5" FLYWHEEL 1 BELT
- HEAD UNLOADERS
- 13 CFM

PUK65

- 3 CYLINDER
- 12" FLYWHEEL 1 BELT
- HEAD UNLOADERS
- 22 CFM

TUK150

- 3 CYLINDER CAST IRON
- HEAD UNLOADERS
- SPLASH LUBRICATED
- 60 CFM



CI1021E1V20V

- 10HP 120 GALLON
 - VERTICAL OR HORIZONTAL
 - (1)PHASE OR (3)PHASE 230/480 VOLTAGE
 - 40 CFM @ 150PSI
 - MAG STARTER INCLUDED
- HEIGHT 72" WIDTH 44"
DEPTH 29" WEIGHT 866LB



CI521E80V

- 5HP 80 GALLON VERTICAL OR HORIZONTAL
 - 21 CFM @ 175 PSI
 - 230/460 1/3 PHASE VOLTAGE
 - 2 CYLINDER CAST IRON BELT DRIVE PUMP WITH DISC VALVES
 - 780 RPM
 - MAG STARTER INCLUDED
- HEIGHT 73" WIDTH 36"
DEPTH 25" 566LB



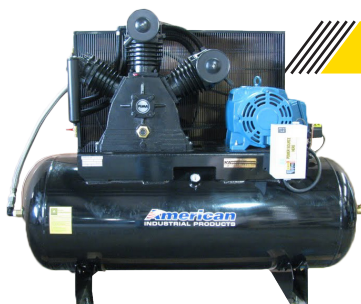
NCST50 (QUIET UNIT)

- 5HP 1PHASE 230 VOLTAGE
 - 3 CYLINDER CAST IRON PUMP BELT DRIVE
 - MAG STARTER INCLUDED
 - INSULATED ELECTRIC FAN COOLED
 - 21 CFM @ 175 PSI
- HEIGHT 43" WIDTH 30"
DEPTH 26" WEIGHT 580LBV



2-CI521E120H

- (2) 5HP PUMPS
 - 40 CFM @ 150 PSI
 - 220/480 VOLTAGE 1 PHASE OR 3 PHASE
 - 120 GALLON HORIZONTAL TANK
 - MAG STARTERS INCLUDED
- HEIGHT 57" LENGTH 85-1/2"
DEPTH 27" WEIGHT 1070LBV



TUK150120H

- 15HP 120 GALLON HORIZONTAL TANK
 - 230/460 3 PHASE VOLTAGE
 - MAG STARTER INCLUDED
 - 3 CYLINDER CAST IRON PUMP WITH DISC VALVES
 - 58 CFM @175PSI
- HEIGHT 56" LENGTH 72"
DEPTH 31" WEIGHT 1208LB



MSV2023E120H

- 20HP
- 120 GALLON HORIZONTAL TANK
- 5 CYLINDER CAST IRON PUMP WITH DISC VALVES
- 80CFM DISP.



ROTARY SCREW COMPRESSORS

- 5-100 HP
- AIREND MANUFACTURED WITH GERMAN ROTARY SCREW COMPONENTS
- SPIN ON SEPARATOR
- SPIN ON OIL FILTER
- SIMPLIFIED OPERATION CONTROLS
NO COMPLICATED MICRO-PROCESSOR
- SINGLE CONTROL SOLENOID OPERATION
- UL CONTROL COMPONENTS
- OMEGA PROFILE ROTORS
- AIR/OIL COOLER
- EASY TO REMOVE BOLT ON OIL COOLER CLEANING
- OPERATION PRESSURE FROM 100-190PSI AVAILABLE
- EXTENDED OIL DRAIN WITH BALL VALVE FOR EASY SERVICE
- EASY TO READ AND ACCESS GUAGES
- FACTORY FILLED WITH PREMIUM SYNTHETIC FLUID
- ASME POWDER COATED AIR RECEIVER
- HEAVY DUTY AIR FILTER





MASTER 36 BLAST CABINET

INSIDE DIMENSIONS:

DEPTH: 24"
 WIDTH: 36"
 HEIGHT: 23"

OVERALL DIMENSIONS

DEPTH: 25"
 WIDTH: 38"
 HEIGHT: 64"

DOOR OPENINGS: TWO (2)

FRONT OPENING LID-TYPE-3"X13"
 SIDE DOOR - 17"X11"

SIPPING WEIGHT 300 LBS.

AVAILABLE WITH BP DUST COLLECTOR (SHOWN)
 OR ABRASIVE SEPARATOR.



MASTER 48 BLAST CABINET

INSIDE DIMENSIONS:

DEPTH: 24"
 WIDTH: 48"
 HEIGHT: 23"

OVERALL DIMENSIONS

DEPTH: 25"
 WIDTH: 52"
 HEIGHT: 64"

DOOR OPENINGS: THREE (3)

FRONT OPENING LID-TYPE - 48"X13"
 DOOR EACH SIDE - 17"X16"

SIPPING WEIGHT 380 LBS.

AVAILABLE WITH BP DUST COLLECTOR (SHOWN)
 OR ABRASIVE SEPARATOR.

RAPIDAIR
MaxLINE
Compressed Air Piping System

END CAP	M8026 1/2"
	M8027 3/4"
	M8028 1"
MANUAL VALVE	M8038 1/2"
	M8039 3/4"
	M8040 1"
SINGLE PORT NPT OUTLET	M3810 1/2"x1/4" out
	M7510 3/4"x1/2" out
SINGLE PORT NPT OUTLET WITH SHUTOFF	M3810V 1/2"x1/4" out
	M7510V 3/4"x1/2" out
DUAL PORT NPT OUTLET	M8200 1/2"x (2) 1/2" out
	M8201 3/4"x(2) 1/2" out
	M8203 1"x(2) 1/2" out
DUAL PORT NPT OUTLET WITH SHUTOFF	M8200V 1/2"x (2) 1/2" out
	M8201V 3/4"x(2) 1/2" out
	M8203V 1"x(2) 1/2" out
BEVEL TOOL	M8095 1/2" - 3/4" - 1"
CUTTER	M8091 1/2" - 3/4"
	M8051 1"

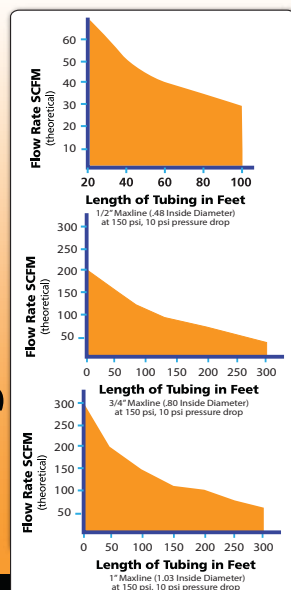
Operating Pressure
175 psi at 70°F
140 psi at 140°F

Meets OSHA guidelines

Temperature range
-40°F to 140°F

Compatible with common compressor oils

Tubing Flow Rates



- Tools and installation**
- CUT** the tubing square with the cutter, ROTATING wrist while cutting
 - BEVEL** the inside of the tubing by inserting the reaming tool and rotating it at least 3 full turns. Remove nut and split ring from fitting and place on tubing
 - PUSH** the fitting onto the tubing and fully against the shoulder of the fitting (soapy water will help this process)
 - TURN** the nut finger tight. Put a reference mark on the nut and fitting body
 - TIGHTEN** nut with wrench a minimum of 3/4 of a turn or until tight

Engineered Specialties LLC
Arpin, Wisconsin
1-800-954-3310 • www.rapidairproducts.com



- WARNINGS:**
- Compressed air is dangerous if not used properly.
 - Do not point compressed air sources at any part of your body or at any person.
 - Always use eye protection when using compressed air.
 - Turn off compressor when not in use.
 - CA Prop 65: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm

Industrial Sizes
1/2", 3/4" and 1"

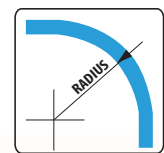
Maxline is an industrial compressed air piping system that is:

- fast and easy to install
- cost effective
- leakproof
- corrosion resistant

Maxline's multilayer construction can be easily bent by hand and maintain its desired shape, giving a professional appearance with no tubing sag. 100 ft and 300 ft rolls allow for faster installation times, with fewer joints. Its smooth interior walls will never build up scale or rust making it an efficient air system.

Maxline piping can be mounted on wall surfaces, in wall for new construction and be directly buried under ground or concrete. This system is easily configured and can be re-modified.

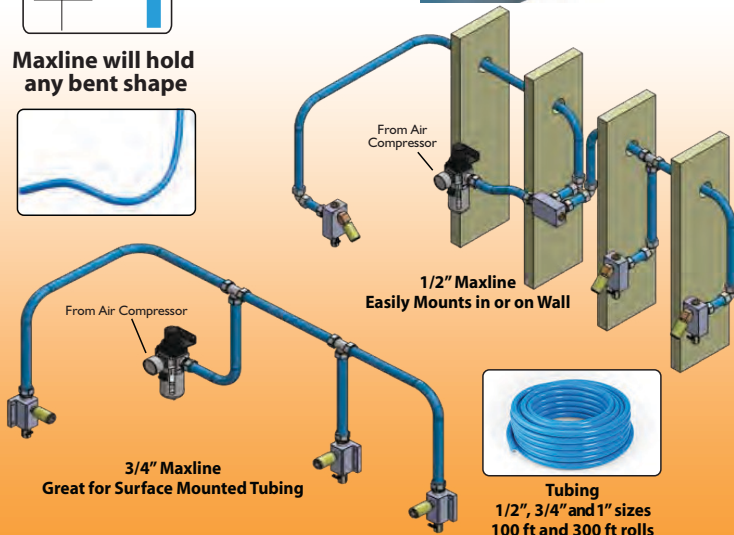
Maxline fittings are nickel plated brass designed for years of long term performance. Its double o-ring compression design is engineered to be a leakproof system, that can be easily disassembled and reused.



Bend Radius for:
1/2" MaxLine: 4-6 inches
3/4" MaxLine: 6-8 inches
1" MaxLine: 10-12 inches

Use 1" MaxLine for:
- burial
- long tubing runs
- hidden tubing installations

Maxline will hold any bent shape



TUBING	M6026 1/2"	100ft
	M6027 1/2"	300ft
	M6030 3/4"	100ft
	M6031 3/4"	300ft
	M6032 1"	100ft
	M6033 1"	300ft
PIPE CLIP 10/PK	M8064 1/2"	
	M8065 3/4"	
	M8066 1"	
UNION	M8021 1/2"	
	M8022 3/4"	
	M8023 1"	
	M8024 3/4"x1/2"	
	M8025 1"x3/4"	
ELBOW	M8080 1/2"	
	M8067 3/4"	
	M8068 1"	
TEE	M8010 1/2"	
	M8011 3/4"	
	M8012 1"	
REDUCING TEE	M8014 3/4"x1/2"	
	M8016 1"x1/2"	
	M8018 1"x3/4"	
REDUCING TEE NPT	M8019 1/2"x1/2"NPT	
	M8078 3/4"x1/2"NPT	
MALE NPT	M8001 1/2"x3/8"NPT	
	M8002 1/2"x1/2"NPT	
	M8005 3/4"x1/2"NPT	
	M8003 3/4"x3/4"NPT	
	M8015 1"x3/4"NPT	
	M8004 1"x1"NPT	
FEMALE NPT	M8006 1/2"x1/2" Female NPT	
	M8007 3/4"x3/4" Female NPT	



CUSTOM HAND CRANK REELS

- CAN BE BUILT WITH 1/4", 3/8", AND 1/2"
- ANY LENGTH UP TO 100'
- PARKER RUBBER HOSE OR FLEXZILLA HOSE



PLP350 (3/8") / PLP450 (1/2")

- LOW PRESSURE REEL ALUMINUM-PRO
- SPRING DRIVEN
- 50' @ 300 PSI HOSE REEL WITH HOSE
- PROFESSIONAL GRADE STRENGTH WITHOUT THE WEIGHT
- AIR, WATER OR OIL
- AUTO REWIND EASILY WRAPS, STORES & PROTECTS HOSE
- MULTI-POSITION LOCK RATCHET SECURES HOSE AT DESIRED LENGTH



TSH-N-3100 (3/8") / TSH-N-4100 (1/2")

TRUCK MOUNT REEL

- SUPREME DUTY
- SPRING DRIVEN
- LOW PRESSURE REEL
- 100' HOSE @ 300 PSI
- 150-DEGREE MAX TEMP FOR LOW PRESSURE SYSTEMS
- BUILT FOR RUGGED MOBILE APPLICATIONS
- WATER OR AIR



POWER POST DRIVER

- ACCESSORIES NOT INCLUDED 2"-4" PIPE ADAPTER, SQUARE POST ADAPTER ETC.
- AIR CONSUMPTION 20CFM



ORGANIZE AIR

- FITS ONLY M STYLE FITTINGS
- STRONG MAGNETIC BASE
- ROTATES TO LOCK IN TOOLS



TAMPER

- 800 BLOWS PER MINUTE
- 42.5" LONG
- AIR CONSUMPTION: 16 CFM



R161 - R162

- DIAPHRAGM OPERATION
- MICRO SEAT FINISH TO ENSURE NO REDUCED PRESSURE CREEP
- RELIEVING STYLE STANDARD
- EASILY PANEL MOUNTED
- THREE POSITION NON-RISING ADJUSTMENT KNOB
- 5-125PSIG STANDARD
- 3-60PSIG OPTIONAL
- 3-20PSIG OPTIONAL
- MAX FLOW 25 SCFM



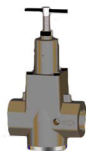
R352 - R353 - R354

- REINFORCED DIAPHRAGM FOR REPEATED ACCURACY
- THREE POSITION NON-RISING
- IN-LINE MODULAR INSTALLATION
- OPERATING PRESSURE RANGE 5-125PSIG
- FLOWS FROM 50 TO 100 SCFM



R374 - R376 - R378

- REINFORCED DIAPHRAGM FOR REPEATED ACCURACY
- THREE POSITION NON-RISING ADJUSTMENT KNOB
- RELIEVING STYLE STANDARD
- OPERATING PRESSURE RANGE 5-125PSIG
- FLOWS FROM 215 TO 250 SCFM



R398 - R3910 - R3912

- HIGH SCFM FLOW DUE TO EFFICIENT ASPIRATION
- HARD EPOXY CORROSION PROTECTION
- OPERATING PRESSURE FROM 5-125PSIG
- FLOWS FROM 600 TO 700 SCFM



L181 - L182

MINI FOG LUBRICATORS

The miniature fog lubricators are designed for low flow applications where space is limited.



L352 - L353 - L354 - L353W - L354W

STANDARD SERIES 3 ARROWFOG LUBRICATORS

These lubricators are the most popular unit for applications that do not require extremely fine oil particles or long distance lubrication. These models accommodate a wide range of applications.



L374W - L376W - L384W - L386W

MIDFLOW SERIES 3 ARROWFOG LUBRICATORS

These lubricators are the most popular unit for applications that do not require extremely fine oil particles or long distance lubrication. These models accommodate a wide range of applications.



L452 - L453 - L454

STANDARD SERIES 4 ULTRAFOG LUBRICATORS

Arrow Ultrafog lubricators produce extremely fine, .4 micron oil particles. Due to their size, these molecules remain in suspension and are carried further downstream than the particles from an Arrowfog.



L474W - L484W - L476W - L486W

ARROW ULTRAFOG LUBRICATORS

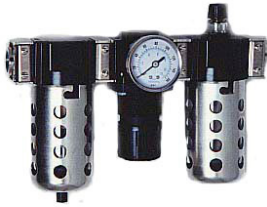
Arrow Ultrafog lubricators produce extremely fine, .4 micron oil particles. Due to their size, these molecules remain in suspension and are carried further downstream than the particles from an Arrowfog.



7681 - 7682 - 7621 - 7622

MINI FILTER/REGULATOR/LUBRICATOR COMBINATIONS

1/4"-1/8" filter/regulator/lubricator combinations.



STANDARD COMBINATION UNITS

- HIGH PERFORMANCE & COMPACT
- INSERT INTERLOCKING FEATURE ALLOWS SIMPLE INSTALLATION
- UNLIMITED ADAPTATION TO AIR PREPARATION SYSTEMS



MIDFLOW & HIGHFLOW UNITS

1/2" to 1" connections for Midflow and High Flow series combinations



DFD-10

MINI IN-LINE DESICCANT DRYERS

Used at the point-of-use, this patented, disposable, mini in-line desiccant dryer removes all traces of water vapor, oil vapor and dirt.



D10-04 D10-04XL D25-06

IN-LINE DESICCANT DRYERS

In line Desiccant dryer from .5 to 50 scfm. No purge air lost with regenerative dryers. Drying efficiency can be tailored to your needs down to -30°F pressure dew point



VC7510 - VC7510XL - VC7525

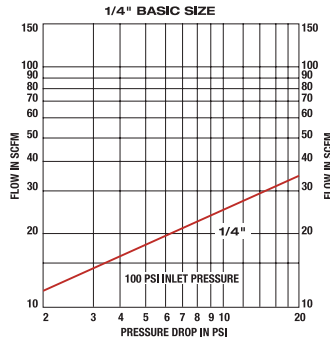
STAGE AIR DRYING SYSTEM

The StageAir Drying System is a point-of-use drying system and is protected by an OSHA lockout valve which exhausts all downstream pressure when closed, and can be locked out in the closed position with customer supplied padlock, exhaust 6 SCFM at 100 psig to prevent element damage.

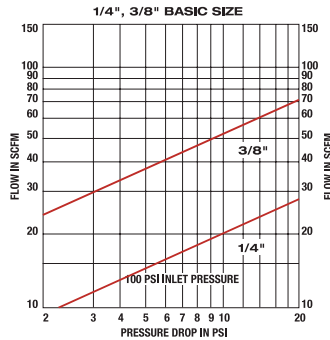


ARROWICK LUBRICATORS

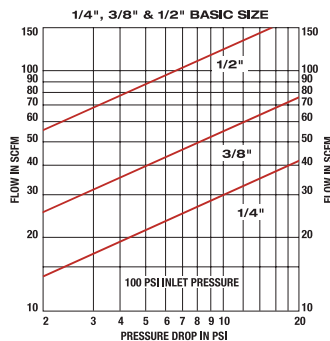
Arrowick Lubricators are economical and reliable for lubricating tools or cylinders that run constantly. The Arrowick automatically maintains the same air-oil ratio regardless of variations in air flow. The average droplet size is 3 microns. Arrowick uses an adjustable saturated wick to send particles of oil down line.



STYLE L, A, T



STYLE D, P, AA



STYLE M, H, G

BASIC SIZE

Basic size defines that air handling capacity. The most popular size for automotive use is 1/4". 1/4" will handle air volumes up to approximately 40 SCFM (Standard Cubic Feet per Minute) and will connect and disconnect under normal air line pressure.

The 3/8" basic coupler will handle air volumes up to approximately 60 SCFM. The 1/2" basic size coupler will handle air volumes exceeding 60 SCFM. These sizes are not intended to be connected or disconnected under normal air line pressure.

Do not confuse basic size with thread size. Thread size specifies only the size of the pipe fitting the coupler or plug is to be attached to, and has nothing to do with air volume.

STYLE

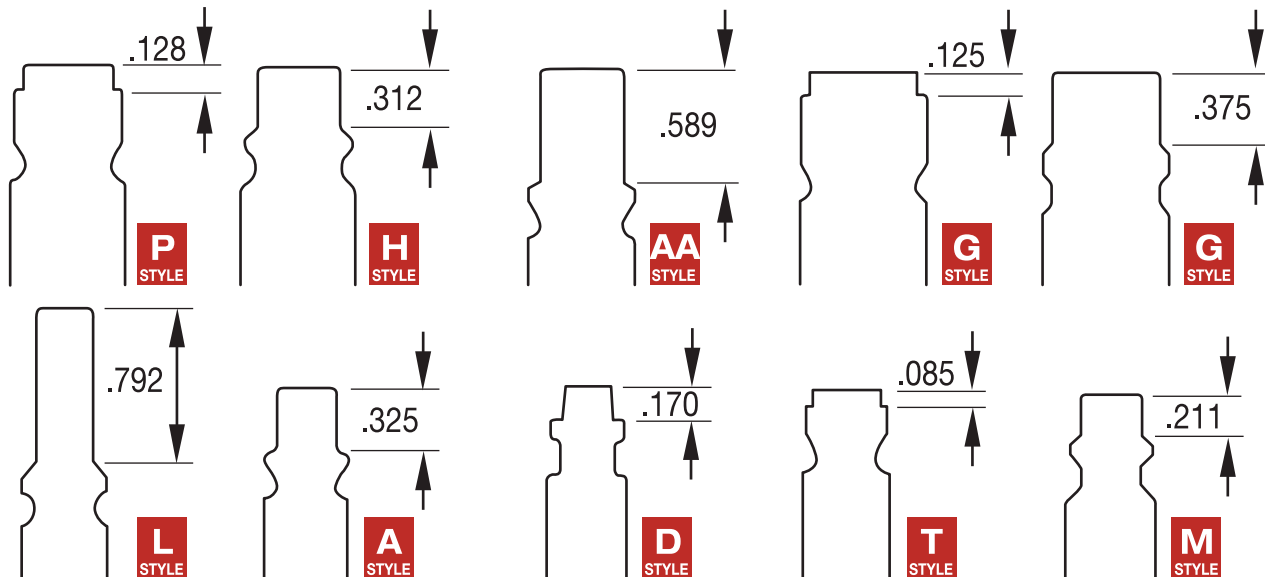
Ten different styles of couplers/plugs are in current automotive and industrial use today. They were originally developed by different manufacturers. While there is no advantage of one style over another (Provided they are quality made), the most popular style are the industrial interchanges (M, H, G). Milton offers interchanges with couplers/plugs that will work with most other manufacturer's versions of like styles.

Normally various styles are not interchangeable but couplers and plugs within the same style (from most manufacturers) will work together. (See page 46-47) of this catalog for interchangeability with other air coupler suppliers. With the Milton "Match-up system" all couplers and plugs with same letter code can be used together regardless of thread size. Note: Milton offers two G-styles, that even though they are different, will work together. Milton's three way coupler will work with M, T and A-style plugs.

NOTE: With the Milton "match-up system" all couplers and plugs with same letter code can be used together regardless of thread sizes.

PLUG STYLE	INTERCHANGE SERIES	BASIC SIZE
A-Style	ARO "210" INTERCHANGE	1/4"
AA-Style	ARO "310" INTERCHANGE	3/8"
D-Style	DIAMOND-U INTERCHANGE	1/4"
G-Style (.125)	TRU-FLATE/PARKER INTERCHANGE	1/2"
G-Style (.375)	MILTON/INDUSTRIAL INTERCHANGE	1/2"
H-Style	MILTON/INDUSTRIAL INTERCHANGE	3/8"
L-Style	LINCOLN INTERCHANGE	1/4"
M-Style	MILTON/INDUSTRIAL INTERCHANGE	1/4"
T-Style	TRU-FLATE/PARKER INTERCHANGE	1/4"

USE THESE FULL-SIZE DRAWINGS TO IDENTIFY AN UNKNOWN PLUG STYLE



HOW TO SIZE ELECTRIC PISTON COMPRESSORS

Body Shops

To properly size a body shop application, first find the total number of workers in the shop. Second multiply that number by 8. Which is the average amount of CFM used by any one person through out the day. This makes sure that the compressor stays within its desired 50% duty cycle. (or any shop that does a lot of sanding and grinding)

EXAMPLE:

TOTAL NUMBER OF WORKERS: 7
 7 PEOPLE X (8)CFM = (56)CFM

FOR THIS SHOP TO OPERATE WITHIN THE DESIRED 50% DUTY CYCLE YOU WOULD NEED (56)CFM OF AIR DELIVERED.

Mechanic Shops

To properly size a mechanic shop first find the total number of workers in the shop. Second take that number and multiply it by 5. The average amount of CFM used by a mechanic through out the day. This makes sure that the compressor stays within its desired 50% duty cycle.

EXAMPLE:

TOTAL NUMBER OF WORKERS: 6
 6 PEOPLE X (5)CFM = (30)CFM

FOR THIS SHOP TO OPERATE WITHIN THE DESIRED 50% DUTY CYCLE YOU WOULD NEED (30)CFM AIR DELIVERED.

Total CFM Usage

To properly size a compressor based on total tool consumption you would need the manufacture spec CFM of all the tools that the shop uses on a daily basis. First add all of these totals up and then multiply the total by 2. This makes sure that the compressor stays within the desired 50% duty cycle.

EXAMPLE:

DA SANDER: (10)CFM
 AIR IMPACT: (6)CFM
 HVLP PAINT GUN: (15)CFM

 TOTAL: (31)CFM
 31X2 = (62)CFM

FOR THIS COMPRESSOR TO OPERATE WITHIN THE DESIRED 50% DUTY CYCLE YOU WOULD NEED (62)CFM OF AIR DELIVERED.

Symptoms of Improperly Sized Piston Compressors

1. EXCESSIVE OIL CARRY OVER
2. PRE-MATURE VALVE FAILURE
3. BLOWN GASKETS
4. DIS-COLORED DISCHARGE TUBING

Things to Remember

When you are sizing a shop be sure and check for air leaks, in older shops there is generally more air used because of leaks than employees working.

If there are leaks then the customer will need to either upgrade to a larger compressor, or get the leaks fixed before the new compressor is installed. This is to ensure proper duty cycle on the new compressor. Always make sure that the electrical breaker for the compressor is sized appropriately according to local and state electrical code. This helps to ensure proper motor and electrical component life.

All compressors have electrical components so they must be located in a place that water, excessive heat, and heavy dust will not affect them, as this can cause pre-mature failure of these components.

Customers often complain about not getting enough air, but they will always

complain if they do not have enough. If a customers properly maintained compressor suddenly fails its probably due to its duty cycle being extended past what it is capable of. So be sure to check to see if new employees or equipment have been added that use air. This will ensure that the new compressor has a long and trouble free life.

Compressor Knowledge

Tanks size does not indicate how much air a compressor makes. The only way you determine volume of air is CFM.

All piston compressors should have their oil changed every three

months. It takes a car an average of 740 running hours to go 30,000 miles (10 oil changes) Under perfect conditions with a maximum of a 50% duty cycle, a piston compressor will run 240hrs in three months of 9-5 Monday-Friday work. That is the equivalent of changing your oil every 9750 miles in a car.

Over time the vibrations in piston compressors can loosen fittings and bolts, the whole compressor needs checked out when the routine maintenance is performed.

ALL COMPRESSOR ARE PRE-SET AND TESTED AT THE FACTORY, CONTACT THE FACTORY IF YOU FEEL LIKE ANYTHING NEEDS TO BE CHANGED.



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