

Series 70 to 78 AIR HOSES

RUBBER AIR HOSES

SERIES

S71 AIRFLEX EPDM
S71 MAXAIR EPDM
S75 SUPERFLEX Nitrile
S77 TOPFLEX Lock-on Nitrile

FEATURES

- Multi purpose air hose
- Excellent resistance to abrasion and wear
- Tough, resilient hoses for everyday shop, industrial and garage use

APPLICATIONS

- General purpose air and water
- Ideal in-plant air hoses

PVC AIR HOSES

SERIES

S70 POLYFLEX
S72 THERMOFLEX
S72 EASYFLEX
S73 NYFLEX

FEATURES

- Lightweight
- Super flexible
- Non marking outer covers
- Chemical and solvent resistant
- Economical
- Flexible in cold weather

APPLICATIONS

- Ideal in-plant air hoses
- Paint booths
- Water transfer
- Food and beverage
- Nailing and stapling
- Construction applications

POLYURETHANE AIR HOSES

SERIES

S74 FLEXAIR
S76 PURFLEX
S78 TOPMAX

FEATURES

- Super lightweight
- Flexible
- Great resistance to sunlight, weathering and ozone
- Excellent resistance to oils, grease and solvents
- High abrasion resistance

APPLICATIONS

- Ideal hose for air tools such as nailers and staplers
- Indoor and outdoor construction applications
- Spray painting applications

COMPRESSED AIR HOSES

SELECTING AN AIR HOSE

Selecting the right air hose is a question of several criteria, including the environment in which the hose will be used, the conditions in that environment and the way in which the hose is used. If these things are not taken into account and price is the only criteria, the chosen hose may not perform up to expectations.

WHAT HAPPENS TO HOSES?

In addition to ergonomic problems caused by weight and lack of flexibility, use of an improper hose for the environment and conditions can lead to rapid deterioration. Some of the things that happen to hoses are:

- Cracking
- Breaking
- Failure at the fitting
- Swelling
- Ageing
- Absorbing dirt
- Stiffening in cold conditions
- Softening due to heat

All of these reduce hose life and can lead to failure, which can often be dangerous.

ENVIRONMENT & CONDITIONS

The environment in which the hose will be used is a critical element in choosing the right hose. The ideal hose for an industrial shop floor will not necessarily work well in a car garage; the nailing and stapling industry has special needs, as does the construction industry, and anywhere where paint and/or varnishes are applied will require another type of hose altogether. Use of the improper hose for these environments will, again, reduce hose life and increase the probability of hose failure and/or worker injuries.

The conditions in that environment will also affect hose life. Clean and dry is usually the ideal, but is rarely the case. Hoses are subjected to water, dirt, greases and oils, chemical products and paints and solvents. Heat and cold also affect hose performance, and use of a hose outside will cause certain types to age very quickly. Hose choice will again be affected by the presence of any of these conditions.

HOW WILL THE HOSE BE USED?

How the hose will be used will also affect hose choice. A hose that spends its life on a shop floor, being used in a stationary position, will not have the same attributes as one that is used on a construction site where workers often work at arm's length and over their heads. A hose that must suspend the weight of a tool does not have the same characteristics as one designed to be used with a tool suspended from a balancer. A hose that is stored in an auto rewind reel will not have the same requirements as one that is rolled up by hand.

All of these aspects of hose use will have an impact on ergonomics. Choice of the right hose will limit worker injuries and increase productivity.



COMPRESSED AIR HOSES

HOSE SELECTION GUIDE

TO ENSURE MAXIMUM PERFORMANCE AND SERVICE:

- Select the right hose type for the job, based on the environment, conditions and the way in which the hose is to be used
- Choose hose size based on tool consumption and length
- Keep the hose as short as possible for the application
- Use a hose reel, where possible, to keep the hose out of harm's way



	SERIES 71 AIRFLEX	SERIES 71 MAXAIR	SERIES 75 SUPERFLEX	SERIES 77 TOPFLEX	SERIES 70 POLYFLEX
	RUBBER				PVC
Material	Red EPDM Rubber	Red EPDM Rubber	Red Nitrile (Synthetic Rubber)	Black Nitrile (Synthetic Rubber)	Dark Blue PVC
Pressure	300 PSI	300 PSI	250 PSI	300 PSI	300 PSI
Sizes Available	1/4" - 3/8" - 1/2"	3/8"	1/4" - 5/16" - 3/8" 1/2" - 3/4"	1/4" - 3/8" - 1/2"	1/4" - 3/8"
Pounds for 100' of 3/8"	17 lb	15.5 lb	14 lb	13 lb	9.1 lb
Working Temperature Range	-40 °F to 212 °F -40 °C to 100 °C	-4 °F to 212 °F -20 °C to 100 °C	-20 °F to 212 °F -29 °C to 100 °C	-40 °F to 160 °F -40 °C to 71 °C	-15 °F to 150 °F -26 °C to 65 °C
Main Characteristics	<ul style="list-style-type: none"> • Robust • All purpose • Excellent in cold temperatures 	<ul style="list-style-type: none"> • Quality/Price choice • Good abrasion resistance 	<ul style="list-style-type: none"> • Non-conductive • Oil resistant • Spark resistant 	<ul style="list-style-type: none"> • Spark resistant • Oil resistant • "Lock-on" 	<ul style="list-style-type: none"> • Quality/Price choice • Lightweight
Applications	<ul style="list-style-type: none"> • General shop use • General garage use 	<ul style="list-style-type: none"> • General shop use • General garage use 	<ul style="list-style-type: none"> • Ideal where oil is present • Paint booths 	<ul style="list-style-type: none"> • Ideal where oil is present • Grinding and welding • Paint booths 	<ul style="list-style-type: none"> • DIY • General shop use • General garage use
Weight	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■
Flexibility	✓ ✓ ✓	✓ ✓ ✓	✓ ✓	✓ ✓ ✓	✓ ✓ ✓ ✓
Cold Temperature Performance	* * * * *	* * *	* * * *	* * * * *	* * * *
Oil Resistance	◆ ◆	◆	◆ ◆ ◆ ◆	◆ ◆ ◆ ◆	◆
Toughness	+ + + +	+ + +	+ + + +	+ + + +	+ + +
Price	\$ \$ \$	\$ \$	\$ \$ \$ \$	\$ \$ \$ \$ \$	\$

COMPRESSED AIR HOSES

S
70
TO
78



SERIES 72 THERMOFLEX	SERIES 72 EASYFLEX	SERIES 73 NYFLEX	SERIES 74 FLEXAIR	SERIES 76 PURFLEX	SERIES 78 TOPMAX
PVC			POLYURETHANE		
Blue PVC	Yellow PVC	Clear PVC	Clear Orange Polyurethane	Blue Polyurethane	Yellow Polyurethane
300 PSI	300 PSI	Up To 275 PSI	200 PSI	200 PSI	250 PSI
1/4" - 3/8" - 1/2" - 3/4"	1/4" - 3/8"	1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 1-1/4" - 1-1/2"	1/4" - 3/8"	1/4" - 5/16"	1/4" - 3/8"
12.8 lb	10 lb	9 lb	7 lb	9.5 lb	6.2 lb
-26 °F to 150 °F -32 °C to 65 °C	-40 °F to 150 °F -40 °C to 65 °C	25 °F to 150 °F -5 °C to 65 °C	-4 °F to 165 °F -20 °C to 74 °C	-4 °F to 165 °F -20 °C to 74 °C	-40 °F to 165 °F -40 °C to 74 °C
<ul style="list-style-type: none"> • Lightweight • Oil resistant 	<ul style="list-style-type: none"> • Extremely pliable and flexible • Lightweight 	<ul style="list-style-type: none"> • NSF certified for food equipment • Quality/Price choice • Lightweight 	<ul style="list-style-type: none"> • Very lightweight • Reusable swivel fittings 	<ul style="list-style-type: none"> • Lightweight • Anti-friction finish • Reusable swivel fittings 	<ul style="list-style-type: none"> • Extremely lightweight • Reusable swivel fittings
<ul style="list-style-type: none"> • General shop use • Paint booths • Outdoor applications 	<ul style="list-style-type: none"> • General shop use • Construction 	<ul style="list-style-type: none"> • General shop use • Edible fluid transfers 	<ul style="list-style-type: none"> • General shop use • Construction • Nailing & stapling 	<ul style="list-style-type: none"> • General shop use • Construction • Nailing & stapling 	<ul style="list-style-type: none"> • General shop use • Construction • Nailing & stapling
■ ■ ■ ■	■ ■ ■	■ ■	■	■ ■	■
✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓	✓ ✓	✓ ✓ ✓
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\$ \$ \$	\$ \$ \$	\$ \$	\$ \$ \$ \$	\$ \$ \$ \$	\$ \$ \$ \$ \$



TOPRING

COMPRESSED AIR HOSES

SELECTION GUIDE • HOSE SIZE PER LENGTH AND FLOW (TOOL TYPE)

TOOL TYPE	FLOW SCFM	COMPRESSOR HP REQUIRED	HOSE LENGTH						
			25'	35'	50'	75'	100'	150'	
NAILERS & STAPLERS									
18 gauge nailer/stapler	0.02 SCF/cycle	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
22-18 gauge stapler	0.03 SCF/cycle	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Finishing nailer	0.03 SCF/cycle	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Roofing nailer	0.05 SCF/cycle	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Framing nailer	0.09 SCF/cycle	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
IMPACT TOOLS									
Miniature 1/4" ratchet	12.5	3	3/8	3/8	1/2	1/2	1/2	1/2	1/2
1/4" impact gun	14.0	3.5	3/8	3/8	1/2	1/2	1/2	1/2	1/2
3/8" ratchet	19.2	5	3/8	1/2	1/2	1/2	1/2	1/2	3/4
Zip gun	21.9	5.5	3/8	1/2	1/2	1/2	1/2	1/2	3/4
1/2" impact gun	28.6	7	1/2	1/2	1/2	3/4	3/4	3/4	3/4
3/4" impact gun	34.7	9	1/2	1/2	1/2	3/4	3/4	3/4	3/4
1" impact gun	87.5	22	3/4	3/4	1	1	1	1	1
POLISHING TOOLS									
Orbital polisher	16.6	4	3/8	3/8	1/2	1/2	1/2	1/2	1/2
Oscillating sander	23.0	6	1/2	1/2	1/2	1/2	3/4	3/4	3/4
SANDERS									
Sander	9.6	2.5	5/16	5/16	3/8	3/8	3/8	3/8	1/2
4-1/2" angle grinder	18.4	4.5	3/8	1/2	1/2	1/2	1/2	1/2	3/4
10mm belt sander	18.9	4.5	3/8	1/2	1/2	1/2	1/2	1/2	3/4
7" angle sander	29.6	7.5	1/2	1/2	1/2	3/4	3/4	3/4	3/4
DRILLS									
3/8" air drill	17.3	4.5	3/8	1/2	1/2	1/2	1/2	1/2	3/4
3/8" reversible air drill	23.8	6.0	1/2	1/2	1/2	1/2	3/4	3/4	3/4
1/2" reversible air drill	26.4	6.5	1/2	1/2	1/2	1/2	3/4	3/4	3/4
OTHER TOOLS									
Riveter	0.08 SCF/cycle	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Grease gun	0.8 SCF/cycle	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Caulking gun	0.1	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4
HVLP paint gun	9.5	2.5	5/16	5/16	3/8	3/8	3/8	3/8	1/2
Screw driver	9.6	2.5	5/16	5/16	3/8	3/8	3/8	3/8	1/2
Gravity fed sand blaster	12.0	3.0	3/8	3/8	1/2	1/2	1/2	1/2	1/2

TECH TIP

- With most tools, the proper air hose size is at least one size larger than that of the air inlet pipe-thread
- Use of a smaller than recommended hose size will result in a serious reduction of tool performance

NOTE:

- Continuous consumption at 90 PSIG
- Average consumption (actual consumption may vary)
- Data for straight PVC, rubber or polyurethane air hose new and exempt of contaminants (water, rust, dust)
- Information based on 5 PSIG pressure drop

Hose I.D.	SCFM available per length at 100 PSI					
	25'	35'	50'	75'	100'	150'
1/4	≤ 5	≤ 5	≤ 5	≤ 2	≤ 2	≤ 2
5/16	≤ 10	≤ 10	≤ 5	≤ 5	≤ 5	≤ 5
3/8	≤ 20	≤ 15	≤ 10	≤ 10	≤ 10	≤ 5
1/2	≤ 40	≤ 30	≤ 30	≤ 25	≤ 20	≤ 15
3/4	≤ 125	≤ 100	≤ 80	≤ 70	≤ 60	≤ 50
1			≤ 175	≤ 150	≤ 125	≤ 100

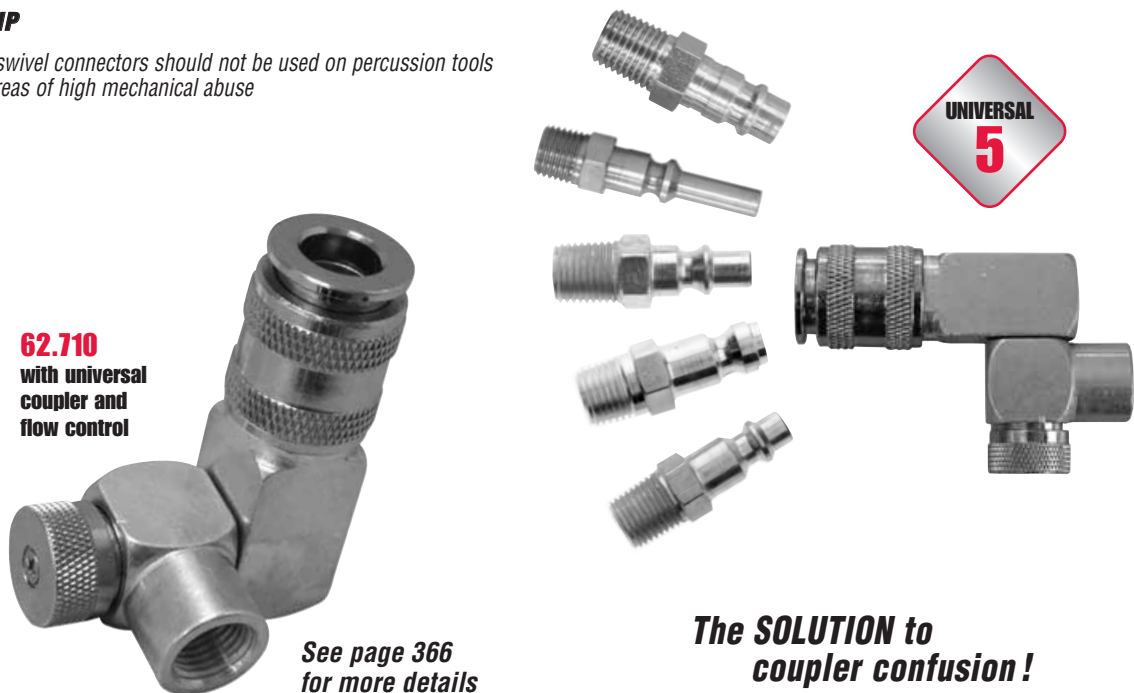


MAXPRO AIR TOOL SWIVEL CONNECTORS

- Improve tool manoeuvrability and allow full 360° at two pivot points
- Available with built-in UNIMAX 5 in 1 **Universal** coupler that accepts **1/4 INDUSTRIAL, ARO 210, 1/4 TRUFLATE, LINCOLN** and **ULTRAFLO** type plugs
- Also available with integrated flow control
- Made from tough anodised aluminium

TECH TIP

These swivel connectors should not be used on percussion tools or in areas of high mechanical abuse



62.710
with universal
coupler and
flow control

*See page 366
for more details*

**The SOLUTION to
coupler confusion!**