Series 11 • 14 • 17 • 19
SELF-STORING AIR HOSES



WHY USE A SELF-STORING AIR HOSE ?

Self-storing hoses have many advantages:

- **Space savings**
- **Time savings**
- **Ergonomics**
- **Light weight and flexibility**

Self-storing hoses save space; the hose simply retracts and can be easily hung from a hook.

Time is also saved, since there is no need to uncoil and coil the hose. The user simply pulls the hose to the desired length.

Ergonomics are improved, as the hose is not in the way when not in use and is easily positioned for work.

Finally, self-storing polyurethane air hoses are lighter than rubber hoses and offer more flexibility.

SELECTING A SELF-STORING AIR HOSE: 5 CRITERIA



Environment will affect hose choice. Working temperature will affect pressure handling, and other environmental aspects, such as the presence of sparks, oil or humidity can also influence hose choice.



The type of work will influence **ergonomics** for instance; working around machinery, vehicles requires different features than other types of work.



Flexibility is another criteria, a function of personal choice and work-related factors.

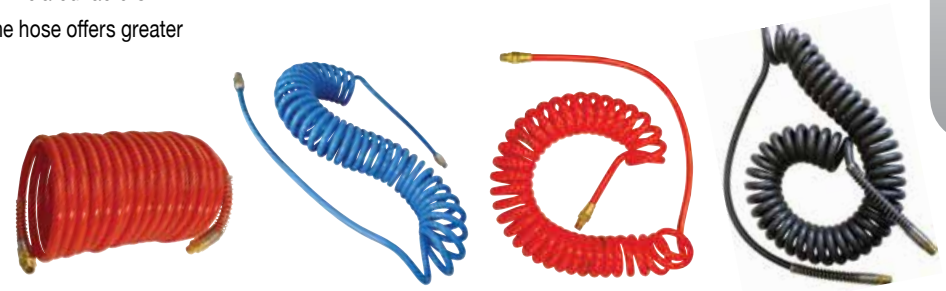
For example, a polyurethane hose offers greater flexibility than one in nylon.



Service life is always a factor to consider. Ether-based polyurethane better resists weathering and moisture, while ester-based polyurethane will work better in contact with chemicals.



Hose length is also a very important factor to consider. Every unnecessary foot of hose will increase pressure drop and cost.



SELF-STORING HOSE SELECTION GUIDE

COLOR	Series 11 Nylon	Series 14 MAXAIR	Series 17 FLEXCOIL		Series 19 SPARKCOIL
	RED	BLUE	RED	YELLOW	BLACK
			BLUE	CLEAR BLUE	
MATERIAL	NYLON 12	POLYURETHANE (ESTER-BASED)	POLYURETHANE (ETHER-BASED)		THERMOPLASTIC & POLYURETHANE (ESTER-BASED)
MAXIMUM WORKING PRESSURE	Up to 200 PSI	143 PSI at 24 °C	140 PSI at 24 °C		150 PSI at 24 °C
WORKING TEMPERATURE	-40 °C to 82 °C	-20°C to 70 °C	-40 °C to 70 °C		-40 °C to 70 °C
INT. DIAMETER (in)	1/4 - 3/8 - 1/2	1/4 - 3/8	3/16 - 1/4 - 5/16 - 3/8		1/4 - 3/8
LENGTHS (ft)	12.5, 25, 50	25, 50	10, 15, 20, 25, 30, 50		25, 50
MAIN CHARACTERISTICS	SUPERIOR MEMORY ABRASION RESISTANCE	QUALITY/PRICE CHOICE RIGID FITTING AT TOOL END	FLEXIBILITY VARIOUS DIMENSIONS		RESISTS SPARKS AND HOT CHIPS OIL RESISTANT
ERGONOMICS	★	★★	★★★		★★★
FLEXIBILITY	★	★★	★★★		★★★
SERVICE LIFE	★★★★	★★★	★★★★		★★★★
WEIGHT KG. (1/4 x 25)	0.27	0.45	0.44		1.08

SELF-STORING NYLON AIR HOSES

RED

Up to 200 PSI



FEATURES AND BENEFITS

- Self-storing Nylon hose offers little resistance to pull and automatically recoils
- Superior memory over a wide temperature range for long service life
- Excellent resistance to abrasion, impact, flex fatigue and ultraviolet aging
- Excellent resistance to many industrial chemicals, oils and solvents
- High resistance to moisture absorption
- Space efficient and lightweight
- Swivel fittings allow maximum directional flexibility
- Reusable heavy-duty brass fittings at both ends
- No flow restriction
- Spring guard on each hose end for maximum hose support at the fitting

APPLICATIONS

General shop air hose use

MATERIALS

Nylon 12

SPECIFICATIONS

Working Temperature: -40 °C to 82 °C

Maximum Working Length: 80% of total length for vertical applications and 50% for horizontal applications

AIR HOSE ASSEMBLIES WITH FITTINGS

Product No	Hose I.D. in	Total Length ft	Working Length ft	Coil O.D. in	Swivel Fittings (M) NPT	Maximum Working Pressure
11.421*	1/4	12.5	10	3.5	1/4	200 PSI
11.441*	1/4	25	20	3.5	1/4	200 PSI
11.481*	1/4	50	40	3.5	1/4	200 PSI
11.621*	3/8	12.5	10	5.5	3/8	200 PSI
11.626*	3/8	12.5	10	5.5	1/4	200 PSI
11.641*	3/8	25	20	5.5	3/8	200 PSI
11.646*	3/8	25	20	5.5	1/4	200 PSI
11.681*	3/8	50	40	5.5	3/8	200 PSI
11.686*	3/8	50	40	5.5	1/4	200 PSI
11.822**	1/2	12.5	10	6.5	1/2	150 PSI
11.842**	1/2	25	20	6.5	1/2	150 PSI
11.882**	1/2	50	40	6.5	1/2	150 PSI

*Red **Yellow

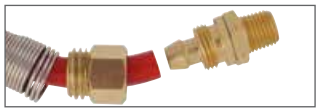
WARNING

Maximum working pressure decreases as air temperature increases

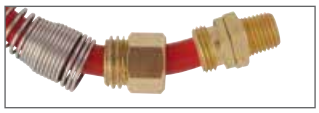
REPLACEMENT SWIVEL FITTINGS



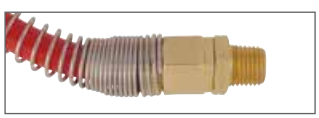
Product No	Hose I.D. in	Fittings (M) NPT
11.042	1/4	1/4
11.062	3/8	3/8
11.065	3/8	1/4
11.082	1/2	1/2



1. After cutting the hose end straight, insert the spring guard and the sleeve nut.



2. Press the barbed end of the fitting into the end of the hose until it seats against the thread base.



3. Slide the sleeve nut over the barbed connection and thread it onto the fitting. The installation is completed by tightening the nut with the appropriate sized open-end wrench until it securely meets the fitting body.

01_06_2016

MAXAIR
POLYURETHANE AIR HOSE
BLUE

Up to 143 PSI

ERGONOMIC SOLUTION



FEATURES AND BENEFITS

- The Ester-based Polyurethane hose resin handles oil better than ether-based but it degrades quickly when introduced to moisture
- Self-storing polyurethane hose offers little resistance to pull and automatically recoils
- Excellent memory
- Excellent flexibility
- Excellent kink resistance
- Lightweight - 25% lighter than rubber
- Superior elasticity and flexibility to nylon hose
- Straight 20 in and 4 in tails for tangle-free tool operation
- Highly abrasion resistant and non-marking
- Reusable heavy duty nickel plated brass fittings at both ends
- Dependable, leak-tight seal and resistant to loosening caused by vibration
- Nickel plated brass construction
- Swivel fitting at supply connection allows maximum directional flexibility
- Rigid fitting at tool end to ensure a safer connection and better vibration resistance

● GOOD RESISTANCE IN PRESENCE OF OIL



APPLICATIONS

Assembly lines, air tools and work stations, automotive repair and body shops

MATERIALS

Polyurethane (Ester based)

SPECIFICATIONS

Maximum Working Pressure:

1/4: 132 PSI at 24 °C
3/8: 143 PSI at 24 °C

Working Temperature Range: -20 °C to 70 °C

Durometer: Shore A 98

Maximum Working Length: 80% of total length

AIR HOSE ASSEMBLIES WITH FITTINGS

Product No	Hose I.D. in	Total Length ft	Working Length ft	Coil O.D. in	Fittings (M) NPT
14.620	1/4	25	20	3.25	1/4
14.650	1/4	50	40	3.25	1/4
14.724	3/8	25	20	3.62	1/4
14.754	3/8	50	40	3.62	1/4

FLEXCOIL
POLYURETHANE AIR HOSE
RED - BLUE - YELLOW

140 PSI

ERGONOMIC SOLUTION



FEATURES AND BENEFITS

- The Ether-based Polyurethane hose is an excellent choice when moisture is present
- Offers little resistance to pull and automatically recoils
- Superior memory over a wide temperature range
- Outstanding flexibility
- Excellent kink resistance
- Lightweight - 25 % lighter than rubber
- Superior elasticity and flexibility to nylon hose
- Smaller coil diameter - more compact and space-saving design
- Straight 20 in and 4 in tails for tangle-free tool operation
- Highly abrasion resistant and non-marking
- Leak-tight seal and resistant to loosening caused by vibrations
- Reusable and repairable heavy duty brass swivel compression fittings at both ends
- Two full flow swivel fittings allow maximum directional flexibility

● GOOD RESISTANCE IN PRESENCE OF WATER

APPLICATIONS

Assembly lines, air tools and work stations, automotive repair and body shops

MATERIALS

Polyurethane (Ether based)

SPECIFICATIONS

Maximum Working Pressure: 140 PSI at 24 °C
Working Temperature Range: -40 °C to 70 °C
Durometer: Shore A 98
Maximum Working Length: 80% of total length



WARNING
Maximum working pressure decreases as air temperature increases

FLEXCOIL
POLYURETHANE AIR HOSES



STANDARD AIR HOSE ASSEMBLIES

Product No YELLOW	Hose I.D. in	Total Length ft	Working Length ft	Swivel Fittings (M) NPT
17.405.08	3/16	10	8	1/4

Product No RED	BLUE	Hose I.D. in	Total Length ft	Working Length ft	Swivel Fittings (M) NPT
17.610	17.610.07	1/4	15	12	1/4
17.615	17.615.07	1/4	20	16	1/4
17.620	17.620.07	1/4	25	20	1/4
17.625	17.625.07	1/4	30	24	1/4
17.650	17.650.07	1/4	50	40	1/4

Product No RED	Hose I.D. in	Total Length ft	Working Length ft	Swivel Fittings (M) NPT
17.660	5/16	15	12	1/4
17.670	5/16	25	20	1/4
17.675	5/16	30	24	1/4
17.690	5/16	50	40	1/4

Product No RED	Hose I.D. in	Total Length ft	Working Length ft	Swivel Fittings (M) NPT
17.710	3/8	15	12	3/8
17.714	3/8	15	12	1/4
17.715	3/8	20	16	3/8
17.719	3/8	20	16	1/4
17.720	3/8	25	20	3/8
17.724	3/8	25	20	1/4
17.725	3/8	30	24	3/8
17.729	3/8	30	24	1/4
17.750	3/8	50	40	3/8
17.754	3/8	50	40	1/4

5/16 I. D. **50%** * more flow than 1/4 I. D.

3/8 I. D. **150%** * more flow than 1/4 I. D.

* Based on tests at 100 PSIG with 10 PSIG pressure drop and with a 25 ft hose

REPLACEMENT SWIVEL FITTINGS



1. After cutting the hose end straight insert the sleeve nut.



2. Press the barbed end of the fitting into the end of the hose until it seats against the thread base.



3. Slide the sleeve nut over the barbed connection and thread it onto the fitting. The installation is completed by tightening the nut with the appropriate sized openend wrench until it securely meets the fitting body.

FEATURES AND BENEFITS

- Dependable, resistant to loosening caused by vibrations
- Reusable - simple two-piece design does not require special tube inserts or compression sleeves

Product No	Hose I.D. in	Fittings (M) NPT
17.044	1/4	1/4
17.054	5/16	1/4
17.064	3/8	1/4
17.066	3/8	3/8

SPARKCOIL
SPARK RESISTANT AIR HOSES
BLACK

150 PSI



FEATURES AND BENEFITS

- Polyurethane inner tube with a specially formulated flame retardant technopolymer cover to protect the tubing from glowing welding sparks, hot chips or sharp particles
- Offers little resistance to pull and automatically recoils
- Excellent kink resistance and recoil memory
- Resists oils, greases, most acids, bases, aqueous solutions, ozone, heat aging and ultraviolet light
- 4 in and 20 in tails for tangle-free tool operation
- Cover meets UL94-VO requirements and offers strong insulating properties
- Non-marking outer cover
- Excellent abrasion resistance
- Swivel fitting at supply connection allows maximum directional flexibility
- Rigid fitting at tool end to ensure a safer connection and better vibration resistance



APPLICATIONS

Excellent hose for welding shops, robotic welding, chemical plant, lubrication systems, painting systems, laboratories

MATERIALS

Inner Tube: Polyurethane

Flame Retardant: Thermoplastic cover

SPECIFICATIONS

Maximum Working Pressure: 150 PSI at 24 °C

Working Temperature Range: -40 °C to 70 °C

Maximum Working Length: 80% of total length

WARNING

Maximum working pressure decreases as air temperature increases

STANDARD AIR HOSE ASSEMBLIES

Product No	Hose I.D. in	Hose O.D. in	Total Length ft	Working Length ft	Coil O.D. in	Fittings (M) NPT
19.620	1/4	3/8	25	20	1.37	1/4
19.650	1/4	3/8	50	40	1.37	1/4
19.724	3/8	1/2	25	20	2	1/4
19.754	3/8	1/2	50	40	2	1/4

AIRPRO

Display box of 25 blow guns

Ideal for counters or shelves !



Quality + choice
AIRPRO
Robust Industrial quality blow guns

Product No	Description of model
60.320.25	Non-restricted • 6mm tube x 10 cm (4") - Blue
60.330.25	Non-restricted • Rubber tip • 6mm tube x 10 cm (4") - Blue
60.350.25	Safety • High flow tip • 6mm tube x 10 cm (4") - Blue
60.357.25	Safety • StarTip nozzle • 6mm tube x 10 cm (4") - Blue
60.377.25	Safety • StarTip nozzle • 8mm tube x 10 cm (4") - Red
60.381.25	Safety • Flat nozzle • Red
60.385.25	MAXIMUM SAFETY • Rubber tip • 8mm tube x 10 cm (4") - Red
60.386.25	Safety • High flow tip • 8mm tube x 10 cm (4") - Red
60.387.25	Safety • Silent • 8mm tube x 13 cm (5") - Red
60.388.25	Safety • Silent • Flow control screw • 8mm tube x 13 cm (5") - Red
60.389.25	MAXIMUM SAFETY • 8mm tube x 10 cm (4") - Red
60.390.25	Non-restricted • 8mm tube x 10 cm (4") - Red
60.392.25	Non-restricted • Flow control screw • 8mm tube x 10 cm (4") - Red
60.393.25	Non-restricted • Stainless Steel tube • 8mm tube x 10 cm (4") - Red