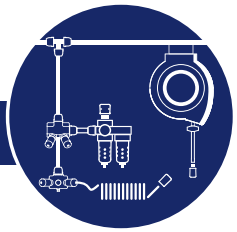
TOPRING
Compressed air solutions



SELECTION GUIDE FOR SELF-STORING HOSES •S11•14•17•19

SELF-STORING OFFERS SEVERAL ADVANTAGES

Time and space saving

The hose is compact; it stretches easily to the required and regains its original shape when it retracts.

Ergonomics



It improves working conditions because the hose does not obstruct the passage when not in use.
The end tails of the polyurethane models are straight, making the hose less stressful for the wrists and models with swivel fittings allow maximum directional flexibility.

Lightweight and flexible

- Lighter and more flexible than rubber hoses
- Easily stretches and retracts automatically

ELEMENTS TO CONSIDER

The working environment

First, ensure that the hose will withstand the environment in which it will be used. Some materials are more resistant to sparks, oil or moisture. The ether-based polyurethane will last longer in terms of weather and moisture resistance, while the ester-based polyurethane will provide better resistance to chemicals. The working temperature will also have an impact on the pressure control and needs to be taken into consideration a the selection stage.

Ergonomics

For applications requiring greater freedom of movement in a restricted work space, it is recommended to use flexible polyurethane hoses with straight ends.

Flexibility

A polyurethane hose is much more flexible than a nylon hose, hence more manageable for frequent users.

Hose length

Unnecessary hose lenghts contribute to pressure drops and increases operating costs, thus selecting the proper hose legnth is for each application is recommended.



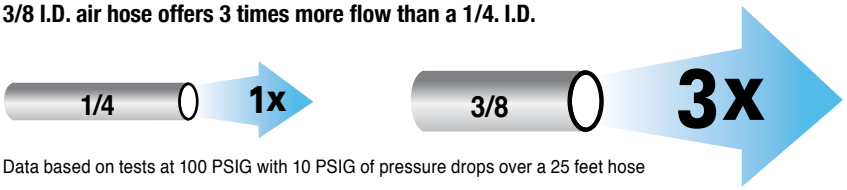
	SERIES 11 MAXPRO	SERIES 14 MAXAIR	SERIES 17 FLEXCOIL		SERIES 19 SPARKCOIL
Color	**RED**	**BLUE**	**RED**	**BLUE**	**BLACK**
Material	NYLON 12	Polyurethane (Ester-based)	Polyurethane (Ether-based)		Polyurethane and technopolymer (Ester-based)
Maximum Working Pressure	**Up to 200 PSI**	**143 PSI at 23 °C**	**140 PSI at 23 °C**		**143 PSI at 23 °C**
Working Temperature	**-40 °C to 80 °C**	**-20 °C to 70 °C**	**-40 °C to 70 °C**		**-40 °C to 70 °C**
Sizes Available (I.D.)	**1/4 - 3/8**	**1/4 - 3/8**	**1/4 - 5/16 (8 mm) - 3/8**		**1/4**
Total Length (ft)	12.5 - 25 - 50	15 - 25 - 50	15 - 20 - 25 - 30 - 50		25 - 50
Working Length (ft)	10 - 20 - 40	12 - 20 - 40	12- 16 - 20 - 24 - 40		20 - 40
Main Features	• Superior memory • Abrasion resistance	• Quality/price choice	• Flexibility • Various dimensions		• Sparks and hot chips resistance • Oil resistance
Ergonomics	★	★★	★★★		★★★
Flexibility	★	★★	★★★		★★★
Service Life	★★★★	★★★	★★★★		★★★★
Weight kg (1/4 x 25)	0.27	0.45	0.44		1.08

TECH TIP

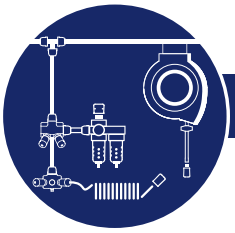
It is important to choose the proper interior hose diameter according to the airflow required for the application

(see the reference table on reverse side)

3/8 I.D. air hose offers 3 times more flow than a 1/4. I.D.



Data based on tests at 100 PSIG with 10 PSIG of pressure drops over a 25 feet hose



TOPRING
Compressed air solutions

REFERENCE CHART • MINIMUM INTERIOR DIAMETER REQUIRED FOR SELF-STORING HOSES

To choose the proper self-storing hose internal diameter, it is important to know the consumption of the tool used (flow SCFM). Use of a smaller than recommended self-storing hose size will result in a serious reduction of tool performance.













TOOL TYPES	FLOW SCFM	SELF-STORING HOSE HOSE LENGTH (ft)					
		12.5'	15'	20'	25'	30'	50'
NAILERS & STAPLERS							
18 gauge nailer/stapler	0.02 SCF/cycle	1/4	1/4	1/4	1/4	1/4	1/4
22-18 gauge stapler	0.03 SCF/cycle	1/4	1/4	1/4	1/4	1/4	1/4
Finishing nailer	0.03 SCF/cycle	1/4	1/4	1/4	1/4	1/4	1/4
Roofing nailer	0.05 SCF/cycle	1/4	1/4	1/4	1/4	1/4	1/4
Framing nailer	0.09 SCF/cycle	1/4	1/4	1/4	1/4	1/4	1/4
IMPACT TOOLS							
Miniature 1/4" ratchet	12.5	5/16	5/16	5/16	3/8	3/8	3/8
1/4" impact gun	14.0	5/16	5/16	3/8	3/8	3/8	3/8
3/8" ratchet	19.2	3/8	3/8	3/8	3/8	--	--
POLISHING TOOLS							
Orbital polisher	16.6	5/16	3/8	3/8	3/8	3/8	--
SANDERS							
Sander	9.6	5/16	5/16	5/16	5/16	5/16	3/8
4-1/2" angle grinder	18.4	3/8	3/8	3/8	3/8	--	--
10 mm belt sander	18.9	3/8	3/8	3/8	3/8	--	--
DRILLS							
3/8" air drill	17.3	3/8	3/8	3/8	3/8	--	--
OTHER TOOLS							
Riveter	0.08 SCF/cycle	1/4	1/4	1/4	1/4	1/4	1/4
Grease gun	0.8 SCF/cycle	1/4	1/4	1/4	1/4	1/4	1/4
Caulking gun	0.1	1/4	1/4	1/4	1/4	1/4	1/4
HVLP paint gun	9.5	5/16	5/16	5/16	5/16	5/16	3/8
Screw driver	9.6	5/16	5/16	5/16	5/16	5/16	3/8
Gravity fed sand blaster	12.0	5/16	5/16	5/16	3/8	3/8	3/8

Self-Storing Hose I.D. in	SCFM available at 100 PSI					
	Self-storing hose lenght (ft)					
	12.5'	15'	20'	25'	30'	50'
1/4	≤ 9.4	≤ 8.5	≤ 7.3	≤ 6.5	≤ 5.9	≤ 4.5
5/16 (8 mm)	≤ 17.2	≤ 15.6	≤ 13.4	≤ 11.8	≤ 10.7	≤ 8.1
3/8	≤ 28.2	≤ 25.6	≤ 21.9	≤ 19.4	≤ 17.6	≤ 13.3

NOTE:

- Continuous consumption at 100 PSIG
- Average consumption (actual consumption may vary)
- Data for new self-storing hoses and exempt of contaminants (water, rust, dust)
- Information based on 5 PSIG pressure drop