Benefits of Using a Motor Guard Air Filter

These compressed air filters utilize a patented concept of filtration and will remove oil aerosols, condensed moisture, smoke and sub-micronic particulates (as small as .01 microns, nominal) from compressed air lines, and as an illustration of efficiency you can manually blow through the unit without difficulty, but the filter will not pass tobacco smoke.

On plasma cutting systems using shop compressed air as the source gas, oil aerosols and condensed moisture in the air will cause the arc to "sputter," reducing the cutting efficiency of the system and accelerating corrosive wear of the electrode and tip.

The installation of a Motor Guard Compressed Air Filter on the plasma cutting system downstream of the air regulator will effectively remove the contamination from the compressed air thus eliminating the "sputter" from the arc, restoring the plasma system to maximum cutting efficiency and reducing the corrosive wear on the tip and electrode.

Sub-Micronic Compressed Air Filters

This filter is equipped with a mounting bracket that will facilitate an installation on the top, side or rear panel of the smaller, portable plasma cutting systems. The filter is equipped with 1/4" NPT ports to match the fittings on most plasma systems and has a rated air flow of over 2,700 SCFH.
Part No. M-26

This filter is recommended for use with the larger, stationary plasma cutting systems used for high volume and production cutting on industrial applications. Specifically designed to be mounted in the outlet of the rigid compressed air line adjacent to the plasma system, the filter is equipped with 1/2" NPT ports, and the rated flow is 6,000 SCFH.
Part No. M-60

This miniature, completely disposable filter is designed for use with the lightweight, low amperage plasma cutting systems that do not have sufficient space to install one of the larger air filters. Designed for installation in the air hose downstream of the air regulator, the filter has a rated flow of 1,800 SCFH and the ports are 1/4" NPT(F). With the assumption that these small plasma cutting systems are used infrequently, the estimated life of the filter should be several weeks.
Part No. D-13 (Disposable)

Replacement Filter

- Refill for M-26 and M-60
- Sold 4 per box

Part No. M-723

Disposable Desiccant Filter

- Includes a unique color change indicator to signal time to change out the filter
- Absorbs oil, condensed moisture and contaminants as small as 5 microns
- Attaches to the air inlet of the spray gun or plasma torch
- 2 per card

Part No. DD-1008-2

Supreme Soft Scuff Pad Backer Block

- Distributes even pressure over the full area
- Heavy-duty "T Hooks" securely hold the scuff pad to the block when used wet or dry and with any brand or grade of scuff pad

Part No. BBS-1

Part No.	Pipe Size	Max. Floor @ 80 PSI	Maximum Pressure	Maximum Temperature	Removal Rating (Nom.)	Size	Replacement Element
M-26	1/4" NPT	2700 SCFH	125 PSI	175˚ F	.01 Microns	5" x 7"	M-723
M-60	1/2" NPT	6000 SCFH	125 PSI	175˚ F	.01 Microns	5" x 7"	M-723
D-13	1/4" NPT	1800 SCFH	100 PSI	175˚ F	.01 Microns	2-1/2" x 3"	None
DD-1008-2	1/4" NPT	1200 SCFH	100 PSI	120˚ F	5 Microns	1-1/2" x 3-1/2"	None