

NGAF001 “Owning and Operating Costs; Energy Costs.” 11/07

Page 13.3 reads:

$$\text{Average Pressure Drop} = \frac{\text{Final Pressure Drop} + \text{Initial Pressure Drop}}{2}$$

It should read:

$$\text{Average Pressure Drop} = \frac{\text{Final Pressure Drop} + \text{Initial Pressure Drop}}{2}$$

NGAF002 “Industrial Contaminant Air Filtration Control Systems; 3. Electrostatic Precipitators.” 11/07

Page 15.7 reads:

Disadvantages: Frequent cleaning of the collection plates is required to maintain optimum mist and **snake** removal efficiency. Recurring maintenance can degrade the performance of the cells over time.

It should read:

Disadvantages: Frequent cleaning of the collection plates is required to maintain optimum mist and **smoke** removal efficiency. Recurring maintenance can degrade the performance of the cells over time.

NGAF003 “HEPA, ULPA and Super ULPA Filters.” 02/08

Page 5.2, Figure 5.2 should be replaced with (corrections are noted):

Figure 5.2. Temperature and Humidity Limitations of HEPA Filter Components

Component	Material	Max Temperature °F (°C)	Max. R. H. Percent
Frame	Exterior-Grade Plywood	250 (121)	100
	Fire-Retardant Plywood	250 (121)	100
	Particle Board	250 (121)	80
	Aluminum	750 (398.9)	100
	Galvanneal Steel	750 (398.9)	100
	304 Stainless Steel	2000 (1093.3)	100
Media	All-Glass Waterproof	750 (398.9)*	100
	Mil Spec (MIL-F-51079)	750 (398.9)*	100
	ULPA	750 (398.9)*	100
	Acid Resistantt	450 (232)	100
	PTFE Membrane	545 (285)***	100
Separators	Paper (Special Treated) Aluminum	250 (121)	100
	Vinyl-coated Aluminum	750 (398.9)	100
	Stainless Steel	400 (204)	100
		2000 (1093.3)	100
Sealant	Neoprene Base	200 (93.3)	100
	Solid Polyurethane	250 (121)	100
	Ceramic	2000 (1093.3)	100
	RTV Silicone	500 (260)	100
Gaskets	Closed Cell Neoprene	200 (93.3)	100
	Silicone	500 (260)	100
	Rubber	500 (260)	100
	Silicone Fluid Seal	500 (260)	100
	200 Compressed Glass**	750 (398.9)	100

Notes:

* Material remains functional but loss of binder reduces strength,

** Loss of compressive strength occurs over 250°F (121 °C)

*** Wikol M. et. al. Expanded Polytetrafluoroethylenes (PTFE) and their Application, W.L. Gore and Associates, Elkton, MD