

# HEATX nano F5 filter heater combinations

27 scfm



nano F5 filter heater combinations provide contaminant removal and variable air temperature control from 68 to 248°F in a single cost effective package. An in-line heater allows precise temperature control perfect for industrial paint and finishing as well as breathing air applications.

model	replacement element		inlet & outlet		rated flow <sup>(1)</sup>		supply voltage	dimensions (inches)			approx. weight
	part no.		NPT	scfm	Nm <sup>3</sup> /h	1ph/50-60 Hz	A	B	C	lbs	
<b>heater</b>											
NH 27 A1	-	-	3/8"	27	46	115 VAC	3.5	5.1	13.3	2.2	
NH 27 A2	-	-	3/8"	27	46	230 VAC	3.5	5.1	13.3	2.2	
NH 27 B1	-	-	1/2"	27	46	115 VAC	3.5	5.1	13.3	2.2	
NH 27 B2	-	-	1/2"	27	46	230 VAC	3.5	5.1	13.3	2.2	
<b>heater + temperature gauge</b>											
NTH 27 A1	-	-	3/8"	27	46	115 VAC	6.9	5.1	13.3	2.9	
NTH 27 A2	-	-	3/8"	27	46	230 VAC	6.9	5.1	13.3	2.9	
NTH 27 B1	-	-	1/2"	27	46	115 VAC	6.9	5.1	13.3	2.9	
NTH 27 B2	-	-	1/2"	27	46	230 VAC	6.9	5.1	13.3	2.9	
<b>filter + heater</b>											
NFH 27 A1	E 27 M01		3/8"	27	46	115 VAC	5.4	5.1	13.3	5.0	
NFH 27 A2	E 27 M01		3/8"	27	46	230 VAC	5.4	5.1	13.3	5.0	
NFH 27 B1	E 27 M01		1/2"	27	46	115 VAC	5.4	5.1	13.3	5.0	
NFH 27 B2	E 27 M01		1/2"	27	46	230 VAC	5.4	5.1	13.3	5.0	
<b>filter + heater + temperature gauge</b> <span style="float: right;">\$114</span>											
NFTH 27 A1	E 27 M01		3/8"	27	46	115 VAC	8.9	5.1	13.3	5.8	
NFTH 27 A2	E 27 M01		3/8"	27	46	230 VAC	8.9	5.1	13.3	5.8	
NFTH 27 B1	E 27 M01		1/2"	27	46	115 VAC	8.9	5.1	13.3	5.8	
NFTH 27 B2	E 27 M01		1/2"	27	46	230 VAC	8.9	5.1	13.3	5.8	

## specifications

minimum operating flow	1.7 scfm
design operating pressure range	22 to 232 psig
automatic float drain (filter)	NDK 0050
semi-automatic drain (heater)	NSDK 175
power rating	1.5 kW
input temperature range	-4 to 248°F
controlled output temperature range	68 to 248°F
electrical connection	DIN

## element performance<sup>(2)</sup>

element performance <sup>(2)</sup>	M01
maximum particle size (ISO class) <sup>(3)</sup>	1
maximum oil content (ISO class) <sup>(3)</sup>	1
particle removal	0.01 micron
max oil carry over at 68°F	0.01 ppm or mg/m <sup>3</sup>
recommended operating temperature range	35 to 212°F
design operating temperature range	35 to 248°F
maximum element life	12 months or 8000 hours

## pressure correction factors

operating pressure (psig)	60	70	85	100	115	145	175	205	232
correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

(1) at 100 psig. For all other pressures, refer to the pressure correction factor table above

(2) applies to Filter & Heater packages (NFH & NFTH) only. Filters are required for all applications containing liquids or aerosols

(3) per ISO 8573.1:2010

- when used in a breathing air application, product is to be installed downstream of a suitable breathing air contaminant removal system. Product does not remove gases such as CO or CO<sub>2</sub>
- refer to the ND condensate drain pages for a complete list of drain options

