270SF (Subflange Design) Gas Sample Probe for GP & CI, D2 - Configuration Options

270SF Model Extraction Sample Probe (All Sample Probes are Configured and Sold WITHOUT probe tubes (Stinger, Quill, Straw))
(Items marked with ** are not available on FM and marked with ++ for ATEX hazardous area probes, and marked with $$ are not available in 230 VAC options)

	Chamber Material (Part Number Configurator: 270)	
2 Wks	**SF**	316 Stainless Steel <400˚F (204˚C) (Standard) - Sub-Flange Mount
3 Wks	**CF**	Hastelloy C-276 < 400˚F (204˚C) -Sub-Flange Mount
4-6 Wks	**TF**	316 Stainless Steel w/TFE Coating < 400˚F (204˚C) -Sub-Flange Mount (no chamber isolation valve option)
4-6 Wks	**NF**	316 Stainless Steel w/ SilcoNert™ 2000 Coating < 400˚F (204˚C) -Sub-Flange Mount
2 Wks	**SHF**	316SS Hi Temp w/Kalrez® < 550˚F (288˚C) -Sub-Flange Mount
3 Wks	**CHF**	Hastelloy C-276 Hi Temp w/Kalrez® < 550˚F (288˚C) - Sub-Flange Mount
4-6 Wks	**NHF**	316 Stainless Steel w/ SilcoNert™ 2000 Coating Hi Temp w/ Kalrez® < 550˚F (288˚C) - Sub-Flange Mount
+1 Wk (316SS) +1 Wk (C-276) +3 Wks (Silco) +5 Wks (Monel)	**xxxU** **xxxV**	For Chamber Isolation Valve, add a 'U' to the End of the Chamber Material Selection for Unheated For Chamber Isolation Valve, add a 'V' to the End of the Chamber Material Selection for Heated **++ Unheated - 316SS Valve, Monel (used with Hast. C-276 chamber), 316SS SilcoNert™ 2000 Low Temp (heated to 270 °F) - 316SS Valve, Monel (used with Hast. C-276 chamber), 316SS SilcoNert™ 2000 High Temp (heated to 550 °F) - 316SS Valve, Monel (used with Hast. C-276 chamber), 316SS SilcoNert™ 2000

	Flange Size (Other Sizes Available, Consult the Factory)	
	F1	1.5" Flange
	F2	2" Flange
	F3	3" Flange
	F4	4" Flange
+2 Wks	**F6**	6" Flange
	F1T	1.5" Flange - Top Dead Center
	F2T	2" Flange - Top Dead Center
	F3T	3" Flange - Top Dead Center
	F4T	4" Flange - Top Dead Center
+2 Wks	**F6T**	6" Flange - Top Dead Center

	Chamber Heat Control	
	340	340˚F (171˚C) Temp Switch (Standard) - Mandatory for FM/ ATEX Approved Units (Standard)
	375	375˚F (190˚C) Temp Switch**++
	550	550 F (288˚C) Temp Switch**++ (use high temp chamber in Chamber Material)
	R	RTD Only**++ (includes 550 °F safety switch)
	K	T/C Only, Type K**++ (includes 550 °F safety switch)

	Blowback Type	
	BB	Blowback (Standard)
	BT	Blowback w/ Smart Timer (Same as system voltage, 115 or 230 VAC. BB valve must match)**++
	HB	Heated Blowback**++
	HT	Heated Blowback w/Smart Timer (Same as system voltage, 115 or 230. BB valve must match)**++
	N	No Blowback

	Blowback Port	
	S	Standard Blowback
	P	Blowback Probe Tip Filter Only - ***No Chamber Blowback***
	N	No Blowback

	Blowback Valve	
	24	24 VDC Actuator
	1	115 VAC Actuator
	2	230 VAC Actuator
	A	Pneumatic Actuator
	N	No Blowback

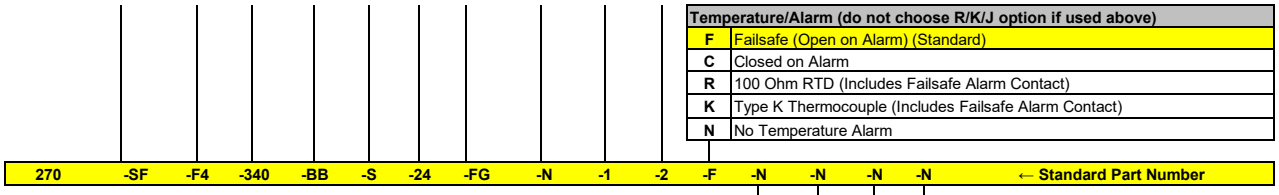
	Enclosure (If Heat shrink Boot is other than 3", identify size after enclosure designator) **2 = 0.75" - 1.6" (19.05mm - 40.64mm) Dia. (2" Boot Adder = $183.00)** **3 (Standard) = 1.38" - 2.75" (35.05mm - 69.85mm) Dia.** **4 = 1.43" - 3.57" (36.32mm - 113.54mm) Dia. (4" Boot Adder = $418.00)**	
	FG	Fiberglass Enclosure (Standard), 3" Boot
	FI	Fiberglass Enclosure, Insulated, 3" Boot
	SS	Stainless Steel Enclosure, 3" Boot
	SI	Stainless Steel Enclosure, Insulated, 3" Boot

	Enclosure Heat Control (Heating requires Insulated Enclosure)	
	N	No Enclosure Heat (Standard)
	T	225˚F (107˚C) Temp Switch** (ATEX Enclosure uses a 150˚F (65˚C) T-Stat)
	K	T/C Only, Type K**++
	R	RTD Only**++

	Power/Classification	
	1	115 VAC General Purpose
	2	230 VAC General Purpose
	1FM	115 VAC Approved for Class I, DIV. II, Grp. B, C, D (FM/ CSA)
	2FM	230 VAC Approved for Class I, DIV. II, Grp. B, C, D (FM/ CSA)
	1EX	115 VAC ATEX Approved for Zone IIC (TUV)
	2EX	230 VAC ATEX Approved for Zone IIC (TUV)

	Filter	
	2	2µm Ceramic (Standard)
	1	1µm Ceramic
	C	0.1µm Ceramic coated
	S	2 µm Sintered 316SS

Additional Options Shown on Next Page



Temperature/Alarm (do not choose R/K/J option if used above)	
F	Failsafe (Open on Alarm) (Standard)
C	Closed on Alarm
R	100 Ohm RTD (Includes Failsafe Alarm Contact)
K	Type K Thermocouple (Includes Failsafe Alarm Contact)
N	No Temperature Alarm

Ammonia Converter (General Purpose area only)	
N	No Ammonia Convertor (Standard)
A	Integrated on the Right Side of the 270**++$$

	Extended Length Probe Tube Support (not with HPA)	
	N	Standard Probe Tube Support
4 Wks	2C	Extended Length Probe Tube Support
	2S	x = Length in Ft (2,3,4,5)
	2T	y=Material of Construction
	3C	S = 316SS (up to 1100˚F (593˚C))
	3S	T = 310SS (up to 1600˚F (871˚C))
	3T	C = Hast C-276 (up to 1900˚F (1038˚C))
	4C	
	4S	
	4T	
	5C	
	5S	
	5T	

Heated Probe Adapter (adds Terminal Blocks to 270)	
N	No HPA (Standard)
K	Type K T/C Terminal Blocks
R	RTD Terminal Blocks
S	Standalone HPA - No Terminal Blocks

	Z-Purge Panel	
	N	No Z-Purge (Standard)
+1 Wk	H	Mounted on Top of 270**++
	V	Mounted on Side of 270**++

Notes: No chamber isolation valve option with TF chamber
C-276 chamber includes SilcoNert coated cal gas check valve and tubing
Teflon chamber includes SilcoNert coated cal gas check valve and tubing