

2RD
Date: 1/1/16

Operator: Bruno Barboza

Flame Pack 400 Pre-Start Check

Steps		Comments
1	You are in clean air?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
2	Any damage to Flame Pack?	<input type="radio"/> Yes / <input checked="" type="radio"/> No
3	Filter is installed and clean?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
4	Cylinder is filled to a minimum of 800 psi?	<input checked="" type="radio"/> Yes / <input type="radio"/> No 1700 psi
5	With Probe installed open fuel valve, do you hear fuel flow?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
6	Adjust zero knob fully counterclockwise	<input checked="" type="checkbox"/>
7	Turn on power	<input checked="" type="checkbox"/>
8	Does LED light and alarm sound?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
9	Press igniter	<input checked="" type="checkbox"/>
10	Did LED light and alarm turn off?	<input checked="" type="radio"/> Yes / <input type="radio"/> No If No wait 5 seconds and push igniter again if it still does not light Flame Pack needs repair
11	Rotate the zero knob clockwise to 100 and then counterclockwise to 0	<input checked="" type="checkbox"/> Alarm should go off at 40% - 50%
12	Where did alarm go off?	50%
13	Note Alarm point with new batteries if alarm point drops 4-8% then batteries need to be changed	new
14	Extinguish flame by placing finger over intake cone	<input checked="" type="checkbox"/>
15	Does LED light and alarm sound within 3 seconds?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
16	Reignite the Flame Pac	<input checked="" type="checkbox"/>
17	Remove probe from QC body	<input checked="" type="checkbox"/>
18	Does LED light and alarm sound within 3 seconds?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
19	Reinstall probe	<input checked="" type="checkbox"/>
20	Turn zero knob fully counterclockwise	<input checked="" type="checkbox"/>
21	Wait 5 seconds and reignite Flame Pack	<input checked="" type="checkbox"/>
22	Did LED light and alarm turn off?	<input checked="" type="radio"/> Yes / <input type="radio"/> No

Flame Pack 400 Calibration

1	Cylinder is filled to a minimum of 800 psi?	<input checked="" type="radio"/> Yes / <input type="radio"/> No 1700 psi
2	Light the Flame Pack and allow to warm	<input checked="" type="checkbox"/>
3	Has Flame Pack warmed for 15 minutes?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
4	Adjust the meter to 0 in clean air	<input checked="" type="checkbox"/>
5	Cal Gas is 50 ppm Methane with Balance of Air?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
6	Place intake cone over nozzle of 50ppm test can and release 2 - 3 second burst of gas	<input checked="" type="checkbox"/>
7	Meter reading should be >90%, what is the reading?	95% If less than 90% Flame Pack needs repaired
8	Let meter return to 0	<input checked="" type="checkbox"/>
9	Place intake cone over nozzle of 50ppm test can and release 2 - 3 second burst of gas	<input checked="" type="checkbox"/>
10	Meter reading should be >90%, what is the reading?	95% If less than 90% Flame Pack needs repaired
11	If meter reading is the same calibration is complete	<input checked="" type="checkbox"/>

These checks should be performed each start-up, periodically during a survey, after any repair or anytime it is suspected the instrument's calibration has changed.

2 BB
Date: 1/2/16

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Flame Pack 400 Pre-Start Check

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2	Any damage to Flame Pack?	Yes / <input checked="" type="radio"/> No
3	Filter is installed and clean?	<input checked="" type="radio"/> Yes / No
4	Cylinder is filled to a minimum of 800 psi?	<input checked="" type="radio"/> Yes / No
5	With Probe installed open fuel valve, do you hear fuel flow?	<input checked="" type="radio"/> Yes / No
6	Adjust zero knob fully counterclockwise	✓
7	Turn on power	✓
8	Does LED light and alarm sound?	<input checked="" type="radio"/> Yes / No
9	Press igniter	✓
10	Did LED light and alarm turn off?	<input checked="" type="radio"/> Yes / No
		If No wait 5 seconds and push igniter again if it still does not light Flame Pack needs repair
11	Rotate the zero knob clockwise to 100 and then counterclockwise to 0	✓
		Alarm should go off at 40% - 50%
12	Where did alarm go off?	50
13	Note Alarm point with new batteries if alarm point drops 4-8% then batteries need to be changed	✓
		New Batteries Installed
14	Extinguish flame by placing finger over intake cone	✓
15	Does LED light and alarm sound within 3 seconds?	<input checked="" type="radio"/> Yes / No
16	Reignite the Flame Pac	✓
17	Remove probe from QC body	✓
18	Does LED light and alarm sound within 3 seconds?	<input checked="" type="radio"/> Yes / No
19	Reinstall probe	✓
20	Turn zero knob fully counterclockwise	✓
21	Wait 5 seconds and reignite Flame Pack	✓
22	Did LED light and alarm turn off?	<input checked="" type="radio"/> Yes / No

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6	Place intake cone over nozzle of 50ppm test can and release 2 - 3 second burst of gas	✓
7	Meter reading should be >90%, what is the reading?	95
		If less than 90% Flame Pack needs repaired
8	Let meter return to 0	✓
9	Place intake cone over nozzle of 50ppm test can and release 2 - 3 second burst of gas	✓
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