

ATG LEAK DETECTION QUICK REFERENCE

Note: Leak detection equipment installed in systems with greater than 10% ethanol should be free of zinc, lead, aluminum, tin or their alloys (brass, terne (lead-tin alloy)).

MA# Manufacturer	Model	TEST TYPE	Minimum Fill	Test Period (see comment)	THRESHOLD	MAX. CAPACITY	COMMENT	
20140001 (Revised 20120009) OPW	SiteSentinel iSite--2 or 4 inch float--Probe 924B	0.2	50%	30 Min.	0.1	20,000	System automatically determines minimum time based on test conditions being met. Test times will be longer for larger tanks.	
	SiteSentinel iSite---4 inch float---Probe 924B	0.1	95%	1.5 Hrs	0.05	20,000		
	SiteSentinel iSite---2 inch float---Probe 924B	0.1	95%	6.0 Hrs	0.05	20,000		
	SiteSentinel iSite-4 inch float--Probe Q0400-4XX	0.2	50%	4.0 Hrs	0.1	20,000		
	SiteSentinel iSite-SLD	0.2	14.70%	Continuous	0.1	0.2	Maximum Monthly Throughput of 397,883 gallons Will not test if below minimum fill level.	
20140006 Franklin Fueling (Supersedes 20120008)	INCON TS-5, 550, 550evo, 750, 1000, 1001, 2001, 5000, 5000evo Colibri Probe: TSP-LL2 or FMP-LL3	0.2	See Below	5 1/4 Hrs	0.1	15,000	Test time is an average; actual times based on pre-set test condition criteria	
		0.1	95%	5 3/4 Hrs	0.05			
	INCON TS-5, 550, 550evo, 750, 1000, 1001, 2001, 5000, 5000evo Colibri Probe: TSP-LL2 or FMP-LL3	0.2 ONLY	See Below	<7 Hrs	0.1	30,000	Variable based on quality of test data Maximum 3 Manifolder Tanks	
	INCON TS-5, 550, 550evo, 750, 1000, 1001, 2001, 5000, 5000evo Colibri SCALD	0.2	15%	Continuous	0.1	49,336	Maximum monthly throughput of 304,620 gallons. Will not test if below minimum fill level.	
	Tank Diameter = Product Required			Tank Diameter = Product Required	Tank Diameter = Product Required			2000 Scald See MA 96000037
	24"	9"	72"	15"	120"	21"		
	36"	10.5"	76"	15.5"	126"	21.5"		
48"	12"	84"	16.5"	132"	22"			
52"	12.5"	96"	17.5"	144"	23.5"			
64"	14"	108"	19"					
20120005 (Renewal for 20080006) Pneumercator Co., Inc	TMS2000 & TMS3000 Probe 450S or 7100 (Magnetostrictive)	0.2 (<20K)	20%	2 hrs	0.1	20,000	Pneumercator probe number 450S is the same as the Ametek Patriot 7100 probe used in the 3rd-party evaluation	
		0.1	95%*	7 hrs	0.05	20,000		
		0.2 (>20K)	50%	8 hrs	0.1	75,000		
20120001 OPW (Revised 20080010)	SITE SENTINEL I,II,III, iTouch Probe 924	0.2	50%	⇄		20,000	30 & 60 Minute Test	
	SITE SENTINEL I,II,III, iTouch Probe 924	0.2	14%	⇄		20,000	2 & 3 Hour Test	
	SITE SENTINEL I,II,III VTTT, iTouch Probe 924	0.1	95%	⇄		20,000	2 & 3 Hour Test	
20100007 OMNTEC Mfg. (Renewal for 20040007)	OEL8000II	0.2	See below	4.5 Hrs.	0.1	30,000		
	OEL8000II w/CITLDS	0.2	12.70%	Continuous	0.1	18,000		
	Minimum product level based on tank diameter: Tank Diameter = Product Required 0-48" = 12"      73-96" = 20"      133 or greater = Contact OMNTEC 49-64" = 15"      97-126" = 15.5" 65-72" = 16"      127-132" = 26"							
20090008 Franklin Fueling (Supersedes 20060002)	INCON TS-5, 550, 750, 1000, 1001, 2001, 5000, Colibri Probe: TSP-LL2	0.2	See Below	5 1/4 Hrs	0.1	15,000	Test time is an average; actual times based on pre-set test condition criteria	
		0.1	95%	5 3/4 Hrs	0.05			
	INCON TS-5, 550, 750, 1000, 1001, 2001, 5000, Colibri Probe: TSP-LL2	0.2 ONLY	See Below	<7 Hrs	0.1	30,000	Variable based on quality of test data Maximum 3 Manifolder Tanks	
	TS-5, 550, 750, 1000, 1001, 2001, 5000, Colibri SCALD	0.2	15%	Continuous	0.1	49,336	Maximum Monthly Throughput of 304,620 gallons Will not test if below minimum fill level.	
	Tank Diameter = Product Required			Tank Diameter = Product Required	Tank Diameter = Product Required			2000 Scald See MA 96000037
	24"	9"	72"	15"	120"	21"		
	36"	10.5"	76"	15.5"	126"	21.5"		
48"	12"	84"	16.5"	132"	22"			
52"	12.5"	96"	17.5"	144"	23.5"			
64"	14"	108"	19"					
20090004 Veeder-Root Co. TLS Series ProPlus, ProMax (Revised 20050005)	Probe 8463 & 8473 (Magnetostrictive) TLS 300 series, TLS 350 series, TLS 450,	0.1	95%	3 Hrs	Preset which cannot be changed. Pass or Fail	15,000	28 Days 227,559 thru-put 28 Day 226,848 thru-put Checks fuel level. Will not test if below minimum requirement.	
		0.2	See Below	2 Hrs				
	Probe 8463 & 8473 TLS 300 series, TLS 350 series, TLS 450,	0.1	95%	2-5 Hrs		20000		
		0.2	See Below	2 Hrs		30000		
	8463 and 8473 W/CSLD TLS300, TLS350, EMC Series, ProPlus, ProMax	.2 Cont.	5%			45000 single 37K manifolded		
	Tank Diameter = Product Required							
	24-26"	9"	70-79"	24"	123-133"	39"		
	27-36"	12"	80-90"	27"	134-143"	42"		
	37-47"	15"	91-101"	30"	144-154"	45"		
	48-58"	18"	102-111"	33"	155-165"	48"		
56-69"	21"	112-122"	36"	166-175"	51"			

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20080010 OPW (Revised 20030001)	PETROSONIC III w/Probe 613	0.2	59%	2 Hrs		15,000		
	SITE SENTINEL w/ Probe 613	0.2	14%	2 Hrs		15,000		
	SITE SENTINEL I,II,III, iTouch w/ Probe 924	0.2	50%	⇔		20,000	30 & 60 Minute Test	
	SITE SENTINEL I,II,III, iTouch w/ Probe 924	0.2	14%	⇔		20,000	2 & 3 Hour Test	
	SITE SENTINEL I,II,III VTTT w/ Probe 613	0.1	95%	⇔		15,000	2 & 3 Hour Test	
	SITE SENTINEL I,II,III VTTT, iTouch w/ Probe 924	0.1	95%	⇔		20,000	2 & 3 Hour Test	
20080009 (EECO System) OPW (Renewal for 20030003)	1500 & 2000	0.2	9%	3.3 Hrs	0.1	20,000	System automatically determines minimum time based on test conditions being met. Test times will be longer for larger tanks. SLD 130K Maximum Throughput	
	Probe Q0400-4XX (Magnetostrictive)	0.1	95%	3.5 Hrs	0.05	20,000		
	EECO SLD	.2 Cont.	9%			2 Tank Max. <=35K		
20080006 (Renewal for 20000007) Pneumercator Co.,Inc	TMS2000 & TMS3000	0.2 (<20K)	20%	2 hrs	0.1	20,000	Pneumercator probe number 450S is the same as the Ametek Patriot 7100 probe used in the 3rd-party evaluation	
	Probe 450S or 7100 (Magnetostrictive)	0.1	95%*	7 hrs	0.05	20,000		
		0.2 (>20K)	50%	8 hrs	0.1	75,000		
20080005 (EECO System) OPW	SiteSentinel iSite--2 or 4 inch float--Probe 924B	0.2	50%	30 Min.	0.1	20,000	System automatically determines minimum time based on test conditions being met. Test times will be longer for larger tanks.	
	SiteSentinel iSite----4 inch float---Probe 924B	0.1	95%	1.5 Hrs	0.05	20,000		
	SiteSentinel iSite---2 inch float---Probe 924B	0.1	95%	6.0 Hrs	0.05	20,000		
	SiteSentinel iSite-4 inch float-Probe Q0400-4XX	0.2	50%	4.0 Hrs	0.1	20,000		
20060002 Franklin Fueling	INCON TS-5, 550, 750, 1000, 1001, 2001, 5000 Probe: TSP-LL2	0.2	See Below	5 1/4 Hrs	0.1	15,000	Test time is an average; actual times based on pre-set test condition criteria	
		0.1	95%	5 3/4 Hrs	0.05			
	INCON TS-5, 550, 750, 1000, 1001, 2001, 5000 Probe: TSP-LL2	0.2 ONLY	See Below	<7 Hrs	0.1	30,000	Maximum 3 ManifolDED Tanks	
	TS-5, 550, 750, 1000, 1001, 2001, 5000 SCALD	0.2	15%	Continuous	0.1	49,336	Maximum Monthly Throughput of 304,620 gallons Will not test if below minimum.	
	Tank Diameter = Product Required							2000 Scald See MA 96000037
	24" 9"	72"	15"	120"	21"			
	36" 10.5"	76"	15.5"	126"	21.5"			
	48" 12"	84"	16.5"	132"	22"			
	52" 12.5"	96"	17.5"	144"	23.5"			
	64" 14"	108"	19"					
20050005 Veeder-Root Co. TLS, EMC Series Pro Plus, ProMax (Supercedes 20030004R1, 20030007) (Revised 2002005R1)	Probe 7842 (Capacitance) All Models Except TLS2	0.2	50%	5 Hrs	All probes have a preset threshold which cannot be changed. Pass or Fail	15,000	Note: Capacitance probes will not function properly when the ethanol content is above 10%.	
	Probe 8472 (Capacitance) All Models Except TLS250, TLS250i & TLS2	0.1	95%	2 Hrs		15,000		
	Probe 8463 & 8473 (Magnetostrictive)	0.2	50%	2 Hrs		15,000		
	TLS250iPlus, TLS300, TLS300i, TLS300iPlus, Probe 8463 & 8473	0.1	See Below	2 Hrs		20000		
	TLS 350 Series, TLS2, ProMax, EMC except Basic	0.1	95%	3 Hrs		30000		
	8463 and 8473 W/CSLD	0.2	See Below	2 Hrs		45000 single		
	TLS300, TLS350, EMC Series, ProPlus, ProMax	.2 Cont.	5%		37K manifolded			
	Tank Diameter = Product Required							28 Days 227,559 thru-put 28 Day 226,848 thru-put Checks fuel level. Will not test if below minimum requirement.
	24-26" 9"	70-79"	24"	123-133"	39"			
	27-36" 12"	80-90"	27"	134-143"	42"			
	37-47" 15"	91-101"	30"	144-154"	45"			
	48-58" 18"	102-111"	33"	155-165"	48"			
	56-69" 21"	112-122"	36"	166-175"	51"			
20050001 Southwest Envir. Svcs 20040006 Franklin Fueling Sys. (Revised 20020004) For EBW systems prior to March 1, 2004 see MA 20020004	US Test Model 2001	0.2	50%	30 Min.	0.1	15,000	Ultrasonic Probes	
		0.1	95%	1 Hr.	0.05	15,000		
	AUTOSTIK II & JR w/ Magnetostrictive Probe	0.2	See below	5 1/4 Hrs	0.1	15,000	Test time is an average; actual times based on pre-set test condition criteria	
		0.1	95%	5 3/4 Hrs	0.05	15,000		
	AUTOSTIK II & JR w/ TSP-LL2 series probe	0.2	See below	< 7 hrs.	0.1	30,000		
	AUTOSTIK II & JR w/ SCALD 2.0	0.2	14%	Continuous	0.1	49,336	Throughput Restrictions/2 max. manifolded	
	Minimum product level based on tank diameter: Tank Diameter = Product Required							
	26" = 9"	72" = 15"	120" = 21"					
	36" = 10.5"	76" = 15.5"	126" = 21.5"					
	48" = 12"	84" = 16.5"	132" = 22"					
52" = 12.5"	96" = 17.5"	144" = 23.5"						
64" = 14"	108" = 19"							

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MA# Manufacturer	Model	TEST TYPE	Minimum Fill	Test Period (see comment)	THRESHOLD	MAX. CAPACITY	COMMENT		
20030008 Caldwell Systems Corp.	Tank Manager ATG System	0.2	18 in.	3 Hrs, 15 min.		20,000	Ultrasonic probe		
		0.1	95%	3 Hrs, 15 min.		20,000	Ultrasonic probe		
20030007 Veeder-Root Co. Red Jacket Pro Plus & ProMax	Probe 7842 (Capacitance) w/ ProPlus & ProMax	0.2	50%	5 hrs	All probes have a preset threshold which cannot be changed by operator. Pass or Fail Only	15000			
	Probe 8472 (Capacitance) w/ ProPlus & ProMax	0.2	50%	2 Hrs					
	Probe 8463 & 8473 (Magnetostrictive)w/ ProPlus	0.1	95%	2 Hrs					
		0.2	see below	2 hrs					
	Probe 8463 & 8473 (Magnetostrictive) w/ProMax	0.2	see below	2 Hrs		30000			
		0.1	95%	2-5 Hrs		20000			
	Probe 8463 & 8473 (Magnetostrictive) w/CSLD	0.2	5%			45000 single		Throughput Restrictions	
	Minimum product level based on tank diameter: Tank Diameter = Product Required								
	24-26"	9"	70-79"	24"		123-133"		39"	
	27-36"	12"	80-90"	27"		134-143"		42"	
37-47"	15"	91-101"	30"	144-154"	45"				
48-58"	18"	102-111"	33"	155-165"	48"				
59-69"	21"	112-122"	36"	166-175"	51"				
20030004R1 Veeder-Root Co. TLS Series (Supersedes 20030004)	Probe 7842 (Capacitance) All Models Except TLS2	0.2	50%	5 Hrs	All probes have a preset threshold which cannot be changed. Pass or Fail	15,000	Note: Capacitance probes will not function properly when the ethanol content is above 10%.  28 Days 227,559 thru-put 28 Day 226,848 thru-put Checks fuel level. Will not test if below minimum requirement.		
	Probe 8472 (Capacitance) All Models Except TLS250, TLS250i & TLS2	0.1	95%	2 Hrs		15,000			
	Probe 8463 & 8473 (Magnetostrictive) TLS250iPlus, TLS300, TLS300i, TLS300iPlus, TLS300C	0.2	50%	2 Hrs		15,000			
	Probe 8463 & 8473 TLS 350 Series & TLS2	0.1	95%	3 Hrs		20000			
		0.2	See Below	2 Hrs		30000			
	8463 or 8473 W/CSLD TLS300 & TLS350 Series	.2 Cont.	5%			45000 single 37K manifolded			
	Tank Diameter = Product Required								
	24-26"	9"	70-79"	24"		123-133"		39"	
	27-36"	12"	80-90"	27"		134-143"		42"	
	37-47"	15"	91-101"	30"		144-154"		45"	
48-58"	18"	102-111"	33"	155-165"	48"				
56-69"	21"	112-122"	36"	166-175"	51"				
20020005R1 GILBARCO, INC.	TM-2, TM-3, EMC Probe PAO238 (Capacitance)	0.2 ONLY	50%	5 Hrs	All probes have a preset threshold which cannot be changed. Pass or Fail	15,000			
	TM-2, TM-3, EMC PROBE PAO264 (Capacitance)	0.2	50%	2 Hrs		15,000			
	TM-2, TM-3 Probes PAO265 & PAO300 (Magnetostrictive)	0.1	95%	2 Hrs		15,000			
		0.2	See Below	2 Hrs		15,000			
	EMC Probes PAO265, PAO300 (Magnetostritive)	0.2	See Below	3 Hrs		15,000			
	EMC W/CSLD Probes PAO265, PAO300 (Magnetostrictive)	0.1	95%	2-5 Hrs		20,000			
		.2 Cont.	5%	na		Will not test below minimum		45K, 37K Mani-fold Aggregate	Throughput 227,559 single 226,848 Aggregate
	Tank Diameter = Product Required								
	24"- 26"	9"	70"- 79"	24"		123"- 133"		39"	
	27"- 36"	12"	80"- 90"	27"		134"- 143"		42"	
37"- 47"	15"	91"- 101"	30"	144"- 154"	45"				
48"- 58"	18"	102"- 111"	33"	155"- 165"	48"				
59"- 69"	21"	112"- 122"	36"	166"- 175"	51"				

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MA# Manufacturer	Model	TEST TYPE	Minimum Fill	Test Period (see comment)	THRESHOLD	MAX. CAPACITY	COMMENT
20020004 EBW, Inc.	AUTOSTIK II & JR w/ 960/961 Series Probes	0.2	50%	4 hrs	0.1	15,000	Testing can be performed on one tank at a time.
		0.1	95%	4 hrs	0.05	15,000	
	AUTOSTIK II & JR CSLD v31 or v51	0.2	30%		0.07	30,000	<150K Monthly thru-put Testing can be performed on one tank at a time.
NOTE: EBW 970 & 973 series probes are for inventory measurements only, not for leak detection. SEE 990053 for AUTOSTIK							
20010019 Emco Electronics	EECO TLM 1000, 3000	0.2	14%		0.1	20,000	See 20030003 for EECO 1500,2000,SLD
		0.1	95%		0.05	20,000	
990053 EBW, Inc.	Autostik (950 series) ONLY	0.2	10%	4 hrs	0.1	15,000	
		0.1	95%	4 hrs	0.05	15,000	
	SEE 20020004 for Autostik II & Jr						
990047 The Marley Pump Co. Red Jacket	RLM5000, RLM5001,RLM9000	0.2	50%	Test time not available.	0.058	15,000	All probes are magnetostrictive or ultrasonic. No probe numbers available.  PC Compatible
		0.1	95%		0.05	15,000	
	ST1400, ST1401,ST 1401L, ST1800, ST1801, St1801L, Prolink Ultra		0.2	15"	0.09	73,500	
	PROLINK		0.1	95%	0.05	73,500	
	OEL 8000		0.2	50%	0.1	18,000	
960043 OMNTEC	Probes are Magnetostrictive	0.2	50%		VARIABLE	15,000	Tests are manually initiated. No probe numbers available.
960037 Intelligent Controls	INCON TS 2000	0.1	95%		0.058	15,000	Magnetostrictive or Digital Level Probes No probe numbers available.
		0.2	50%		0.058	15,000	
	SCALD	0.2	7%			30,000	108K Maximum Monthly Throughput
950069 Engineered Systems	ESI IMAGE	0.2	90%		0.1	15,000	
950056 P C Interactive	AINLAY TANK MASTER	0.2	50%		0.05	75,000	
	TANK MASTER JR	0.2	20%		0.05	30,000	
940078 Universal Sensors	TICS 1000	0.2	90%		0.1	15,000	
930080 Andover Controls Corp.	TMU & INFINITY	0.2	50%		0.2	15,000	
		0.1	95%		0.1		
930071 Tidel Engineering	EMS 3500	0.2	15%		0.1	15,000	
		0.1	95%		0.05	15,000	
	EMS 2000 & EMS3000	0.2	50%		0.05	15,000	
930058 L&J Environmental	MCG 1100,8100	0.2	50%		0.1	15,000	
		0.1	95%		0.05	15,000	
920092 Ronan Engineering	API/RONAN	0.2	10%		0.1	15,000	
		0.1	95%		0.05	15,000	
920052 Alert Technologies	SMART STICK I 2000	0.2	50%	1-15 hrs	0.1	15,000	
920030 MagneTek Controls	7021	0.2	10%	6 hrs	0.2	15,000	Probe #7030
		0.1	95%	12 hrs	0.1	15,000	
910107 Wm.Wilson's Sons Inc.	GASBOY TMS 500	0.2	50%	3hrs	0.2	15,000	Unknown probes.
		0.1	95%	9hrs	0.1	15,000	Magnetostrictive Probe
910093 Mallory Controls	IMAGE	0.2	90%		0.1	15,000	