



CG2 & MA2 Series

Clean Agent Fire Suppression Systems

HFC-227ea



fire protection
TECHNOLOGIES

You need a **FIREBOY** automatic fire suppression system because:

- ▶ Continuous protection.
- ▶ Automatic operation.
- ▶ Manual operation if required.
- ▶ Peace of mind!
- ▶ Often detects and suppresses a fire before you know!
- ▶ Why would you NOT protect your boat and its occupants?



A CLEAN AGENT SYSTEM

- ▶ Featuring the HFC-227ea with coverage from 25-1,500 ft³ (0.7-28.3 m³) for engine rooms, machinery spaces, and other enclosed spaces for Class B fires. Factory Mutual and USCG Approved - Clean Agents are approved by all notified bodies.

SELECTING YOUR SYSTEM

1. Choose either the CG2 or MA2 Series.
2. Determine the volume of your engine compartment in cubic feet or cubic meters, L x W x H. For after-market installations, the gross volume MUST be used unless the boat manufacturer has attached a nameplate stating the volume of the fixed tanks to be deducted (CE and ISO 9094 requires NET volume calculation).
3. Based on steps 1 and 2, choose your model from the following charts. When in doubt, always choose the model that covers greater volume to ensure adequate protection.

Example: MA20200227-BL = automatic discharge with optional manual discharge when used with a Fireboy Manual Discharge Cable, 200 cubic feet of coverage.

4. When choosing the MA2 Series, select the length of Manual Discharge Cable required (see page 2).

READY TO INSTALL

Each Fireboy system comes complete with a powder coated steel shelf bracket system, status indicator light, and owner's manual.

WARNING: Diesel engines require the installation of a Fireboy Engine Shutdown System. See separate sheet.

3M™ NOVEC™ 1230 Fire Protection Fluid Systems also available.

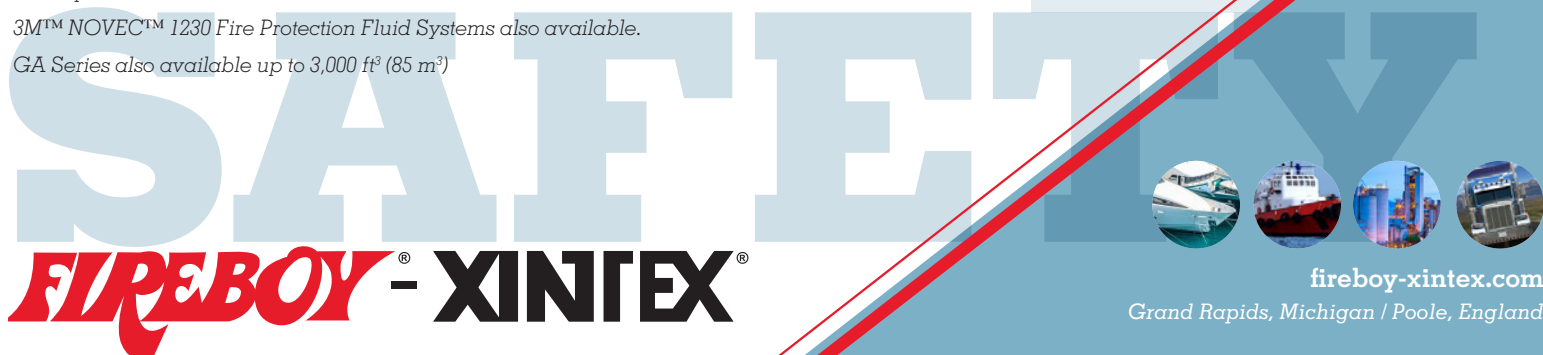
GA Series also available up to 3,000 ft³ (85 m³)

CG2 SERIES

- ▶ Automatic discharge only (@ 175°F / 79°C)
- ▶ Engine rooms up to 1,000 ft³ (28.3 m³)
- ▶ Vertical or horizontal mounting
- ▶ Heavy-duty mounting bracket
- ▶ Helm display

MA2 SERIES

- ▶ Automatic and manual discharge when used with a Fireboy Manual Discharge Cable (sold separately)
- ▶ Engine rooms up to 1,500 ft³ (42.5 m³)
- ▶ Vertical or horizontal mounting
- ▶ Heavy-duty mounting bracket
- ▶ Helm display



fireboy-xintex.com

Grand Rapids, Michigan / Poole, England

CG2 SERIES MODEL SELECTION CHART - CLEAN AGENT HFC-227ea

- Designed for engine rooms and machinery spaces up to 1,000 ft³ (28.3 m³), this automatic discharge series comes ready for vertical or horizontal mounting. Bracket and helm display included. Discharges at 175°F (79°C) or optional 155°F (68°C).

MODEL NUMBER	VOLUME PROTECTED		DIAMETER		TOTAL HEIGHT		AGENT WEIGHT		SHIPPING WEIGHT		SYSTEM PRESSURE
	ft ³	m ³	in	mm	in	mm	lbs	kgs	lbs	kgs	
CG20025227-B	25	0.7	3.3	85	9.5	241	1.1	0.5	5	2.4	240
CG20050227-B	50	1.4	3.3	85	13.3	338	2.2	1	8	3.7	240
CG20075227-B	75	2.1	4.3	110	15.6	396	3.2	1.5	13	6	240
CG20100227-B	100	2.8	4.3	110	15.6	396	4.3	2	14	6.4	240
CG20125227-B	125	3.5	4.3	110	15.6	396	5.4	2.5	15	6.9	240
CG20150227-B	150	4.3	5.1	130	17.2	436	6.5	2.9	20	9.2	240
CG20175227-B	175	4.9	5.1	130	17.2	436	7.6	3.4	21	9.6	240
CG20200227-B	200	5.7	5.1	130	17.2	436	8.6	3.9	22	10	240
CG20225227-B	225	6.4	6.3	160	17.3	439	9.7	4.4	29	13.2	240
CG20250227-B	250	7	6.3	160	17.3	439	10.8	4.9	30	13.6	240
CG20275227-B	275	7.8	6.3	160	17.3	439	11.9	5.4	31	14.1	240
CG20300227-B	300	8.5	6.3	160	17.3	439	13	5.9	32	14.5	240
CG20325227-B	325	9.2	7.1	180	17.2	437	14	6.4	37	16.9	240
CG20350227-B	350	10	7.1	180	17.2	437	15.1	6.9	38	17.4	240
CG20375227-B	375	10.6	7.1	180	17.2	437	16.2	7.4	39	17.8	240
CG20400227-B	400	11.3	7.1	180	19.4	493	17.3	7.9	43	19.5	240
CG20450227-B	450	12.7	7.1	180	19.4	493	19.4	8.8	45	20.4	240
CG20500227-B	500	14.1	7.1	180	27.4	696	21.6	9.8	55	24.8	240
CG20550227-B	550	15.6	7.1	180	27.4	696	23.8	10.8	57	25.7	240
CG20600227-B	600	17	7.1	180	27.4	696	25.9	11.8	60	27	240
CG20650227-B	650	18.4	7.1	180	27.4	696	28.1	12.8	62	28.3	240
CG20700227-B	700	19.8	7.1	180	27.4	696	30.2	13.7	64	29.2	240
CG20750227-B	750	21.2	7.1	180	33.3*	846	32.4	14.7	70	31.6	360
CG20800227-B	800	22.6	7.1	180	33.3*	846	34.6	15.7	73	33	360
CG20850227-B	850	24	7.1	180	33.3*	846	36.7	16.7	76	34.3	360
CG20900227-B	900	25.5	7.1	180	33.3*	846	38.9	17.7	77	35.1	360
CG20950227-B	950	26.9	7.1	180	33.3*	846	41	18.7	80	36.4	360
CG21000227-B	1000	28.3	10	254	21.4	544	43.2	19.6	93	42.2	360

*Note height change - low profile version listed below.

LOW PROFILE MODELS

CG20750227-B4	750	21.2	10	254	21.4	544	32.4	14.7	80	36.3	360
CG20800227-B4	800	22.6	10	254	21.4	544	34.5	15.6	83	37.6	360
CG20850227-B4	850	24	10	254	21.4	544	36.7	16.7	86	39	360
CG20900227-B4	900	25.5	10	254	21.4	544	38.9	17.7	88	39.9	360
CG20950227-B4	950	26.9	10	254	21.4	544	41	18.7	91	41.3	360

MANUAL DISCHARGE CABLES

Fireboy High-Temperature Manual Discharge Cables allow for the manual discharge of an MA2 or GA system. Meets the U.S. Coast Guard flame-test guidelines. Use the shortest possible. Maximum 1440° of total bends.

MODEL	Ft	M	MODEL	Ft	M
E-4209-06	6	1.8	E-4209-36	36	10.4
E-4209-08	8	2.9	E-4209-40	40	12.1
E-4209-10	10	3	E-4209-45	45	13.6
E-4209-12	12	3.6	E-4209-50	50	15.2
E-4209-14	14	4.2	E-4209-55*	55	16.7
E-4209-16	16	4.8	E-4209-60	60	18.2
E-4209-18	18	5.4	E-4209-65*	65	19.7
E-4209-20	20	6	E-4209-70*	70	21.2
E-4209-22	22	6.6	E-4209-75*	75	22.8
E-4209-24	24	7.2	E-4209-80*	80	24.3
E-4209-26	26	7.9	E-4209-85*	85	25.8
E-4209-28	28	8.5	E-4209-90*	90	27.3
E-4209-30	30	9.1	E-4209-95*	95	28.8
E-4209-34	34	10.3	E-4209-100*	100	30

Fireboy High-Temperature Manual Discharge

Cables are fire-resistant and are required for all

MA2 and GA Series installations. Sold separately. Shown to the right with optional angle adapter. CAA-0285-01



READY TO INSTALL

Each Fireboy system includes a heavy-duty powder coated steel shelf bracket system, helm display and owner's manual.



MA2 SERIES MODEL SELECTION CHART - CLEAN AGENT HFC-227ea

- Ideal for engine rooms up to 1,500 ft³ (42.5 m³). Manual discharge when used with Fireboy Manual Discharge Cable which is sold separately. Vertical or horizontal mounting. Bracket and helm light included. Discharges at 175°F (79°C) or optional 155°F (68°C).

MODEL NUMBER	VOLUME PROTECTED		DIAMETER		TOTAL HEIGHT		AGENT WEIGHT		SHIPPING WEIGHT		SYSTEM PRESSURE
	ft ³	m ³	in	mm	in	mm	lbs	kgs	lbs	kgs	(@70° F) psi
MA20025227-BL	25	0.7	3.3	85	9.5	241	1.1	0.5	5	2.4	240
MA20050227-BL	50	1.4	3.3	85	13.3	338	2.2	1	8	3.7	240
MA20075227-BL	75	2.1	4.3	110	15.6	396	3.2	1.5	13	6	240
MA20100227-BL	100	2.8	4.3	110	15.6	396	4.3	2	14	6.4	240
MA20125227-BL	125	3.5	4.3	110	15.6	396	5.4	2.5	15	6.9	240
MA20150227-BL	150	4.3	5.1	130	17.2	436	6.5	2.9	20	9.2	240
MA20175227-BL	175	4.9	5.1	130	17.2	436	7.6	3.4	21	9.6	240
MA20200227-BL	200	5.7	5.1	130	17.2	436	8.6	3.9	22	10	240
MA20225227-BL	225	6.4	6.3	160	17.3	439	9.7	4.4	29	13.2	240
MA20250227-BL	250	7	6.3	160	17.3	439	10.8	4.9	30	13.6	240
MA20275227-BL	275	7.8	6.3	160	17.3	439	11.9	5.4	31	14.1	240
MA20300227-BL	300	8.5	6.3	160	17.3	439	13	5.9	32	14.5	240
MA20325227-BL	325	9.2	7.1	180	17.2	437	14	6.4	37	16.9	240
MA20350227-BL	350	10	7.1	180	17.2	437	15.1	6.9	38	17.4	240
MA20375227-BL	375	10.6	7.1	180	17.2	437	16.2	7.4	39	17.8	240
MA20400227-BL	400	11.3	7.1	180	19.4	493	17.3	7.9	43	19.5	240
MA20450227-BL	450	12.7	7.1	180	19.4	493	19.4	8.8	45	20.4	240
MA20500227-BL	500	14.1	7.1	180	27.4	696	21.6	9.8	55	24.8	240
MA20550227-BL	550	15.6	7.1	180	27.4	696	23.8	10.8	57	25.7	240
MA20600227-BL	600	17	7.1	180	27.4	696	25.9	11.8	60	27	240
MA20650227-BL	650	18.4	7.1	180	27.4	696	28.1	12.8	62	28.3	240
MA20700227-BL	700	19.8	7.1	180	27.4	696	30.2	13.7	64	29.2	240
MA20750227-BL	750	21.2	7.1	180	33.3*	846	32.4	14.7	70	31.6	360
MA20800227-BL	800	22.6	7.1	180	33.3*	846	34.5	15.6	73	33	360
MA20850227-BL	850	24	7.1	180	33.3*	846	36.7	16.7	76	34.3	360
MA20900227-BL	900	25.5	7.1	180	33.3*	846	38.9	17.7	77	35.1	360
MA20950227-BL	950	26.9	7.1	180	33.3*	846	41	18.7	80	36.4	360
MA21000227-BL	1000	28.3	10	254	21.4	544	43.2	19.6	93	42.2	360
MA21050227-BL	1050	29.7	10	254	21.4	544	45.3	20.5	96	43.5	360
MA21100227-BL	1100	31.1	10	254	21.4	544	47.5	21.6	99	44.9	360
MA21150227-BL	1150	33	10	254	27.5	699	49.7	22.6	108	49	360
MA21200227-BL	1200	34	10	254	27.5	699	51.8	23.6	111	50.3	360
MA21250227-BL	1250	35.4	10	254	27.5	699	54	24.5	113	51.3	360
MA21300227-BL	1300	36.8	10	254	27.5	699	56.1	25.4	116	52.6	360
MA21350227-BL	1350	38.2	10	254	27.5	699	58.3	26.5	119	54	360
MA21400227-BL	1400	39.6	10	254	27.5	699	60.5	27.5	121	54.9	360
MA21450227-BL	1450	41	10	254	27.5	699	62.6	28.5	124	56.2	360
MA21500227-BL	1500	42.5	10	254	27.5	699	64.8	29.5	126	57.2	360

*Note height change - low profile version listed below.

LOW PROFILE MODELS											
MA20750227-BL4	750	21.2	10	254	21.4	544	32.4	14.7	80	36.3	360
MA20800227-BL4	800	22.6	10	254	21.4	544	34.5	15.6	83	37.6	360
MA20850227-BL4	850	24	10	254	21.4	544	36.7	16.7	86	39	360
MA20900227-BL4	900	25.5	10	254	21.4	544	38.9	17.7	88	39.9	360
MA20950227-BL4	950	26.9	10	254	21.4	544	41	18.7	91	41.3	360



Bracket for larger CG/MA extinguishers shown above.

HALOTRON® CLEAN AGENT PORTABLE FIRE EXTINGUISHERS

- Model 70551 - 5 lb portable with a 5BC rating; includes a mounting bracket
- Model 71100 - 11 lb portable with a 1A10BC rating; less mounting bracket
- 11 lb mounting bracket 700228 - sold separately
- Two-year limited warranty
- Available in North America only



ON BOARD, ON GUARD!



THE FIREBOY ADVANTAGE

TOTAL FLOODING, CLEAN AGENT FIRE EXTINGUISHER SYSTEMS

U.S. Coast Guard studies show that approximately 90% of all marine fires start in the engine compartment. The same studies show that only one in ten marine fires is successfully extinguished with typical dry-chemical portable fire extinguishers due to the inherent difficulties of fighting a fire manually. In addition, dry-chemical fire extinguishers leave behind a powder that can damage the engine and sensitive electronic equipment.

Since pioneering the use of Halon systems in the early 1970's, Fireboy has designed safe and effective engine room fire protection with no water or powdery residue. All systems are heat activated to discharge the clean agent gas automatically at 175°F (79°C) with no operator intervention required. With a Fireboy system, the fire extinguishing agent is released much faster than any possible crew response, resulting in a faster fire-out time and less damage.

CONSTANT PROTECTION, NO HARMFUL RESIDUE

- ▶ Discharge is automatic at 175°F (79°C) or optional 155°F (68°C) for round-the-clock engine room fire protection
- ▶ Many marine insurance providers offer a discount to boaters who install a fixed fire extinguisher system (contact your insurer for details)
- ▶ Total flooding of the engine compartment in less than 10 seconds for fast smothering of the fire
- ▶ 3M Novec 1230 Fire Protection Fluid and HFC-227ea leave no harmful residue to clean up
- ▶ 3 year limited warranty
- ▶ All steel refillable cylinders (except systems discharged in a fire)
- ▶ Helm display LED "charged/discharged" status indicator panel included (see photo on page 2)
- ▶ Easy to read color coded pressure gauge on cylinder also identifies "charged/discharged" status
- ▶ Coverage from 25 ft³ to 1,500 ft³ in a broad array of increments provides maximum coverage at lowest cost
- ▶ Integrated shelf bracket mounting system (see photo on page 2)
- ▶ Safety lockout design to minimize accidental discharge during installation and maintenance
- ▶ Rugged industrial designed pressure gauge insures trouble free performance
- ▶ International system approvals (FM, USCG, CE, RINA, BV)
- ▶ HFC-227ea (Heptafluoropropane) and 3M Novec 1230 Fire Protection Fluid clean extinguishing agents are approved for marine use worldwide (EPA SNAP, European)
- ▶ Approved for Class B fires in engine rooms, machinery spaces and similar industrial applications



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