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APPROVAL REPORT

Project No: 3048177
Supplements Project No.: None
Class: 6050
Product Name: Examination for possible Approval of various capacities of steel safety cabinets per FM Approvals standard 6050
Product Type: Steel Safety Cabinet for ignitable liquids
Name of Listing Company: Shanghai Sysbel Industry & Technology Co Ltd
Address of Listing Company: Westingarea Building
1 Meisheng Road
Waigaoqiao Free Trade Zone
Shanghai 200131
China
Customer ID: 129602-1
Customer website: www.sysbel.com

Prepared by

Joseph Nunes

Joseph Nunes
Advanced Engineer

Reviewed by

L. N. D'Angelo

Leonard D'Angelo
Technical Team Manager

Cynthia E. Frank

Cynthia E. Frank
Asst. Vice President - Group Manager
Materials

12/10/2013

Date of Approval

1 INTRODUCTION

1.1 Shanghai Sysbel Industry & Technology Co Ltd requested Approval of various sizes of their steel safety cabinets listed in Section 1.4 to determine if it meets the Approval requirements of the standard listed in Section 1.3.

1.2 This report may be freely reproduced only in its entirety and without modification.

1.3 Standards

Title	Number	Issue Date
Storage Cabinets (Flammable & Combustible Liquids)	6050	1996

1.4 Listing

The product will appear in the Approval Guide an on-line resource of FM Approvals, as follows:

Shanghai Sysbel Industry & Technology Co Ltd
Westingarea Building
1 Meisheng Road
Waigaoqiao Free Trade Zone
Shanghai 200131
China

Part No.	Capacity, Gal (L)	Color	Adjustable Shelves	Number of Doors and Style	Dimension(H*W*D,mm [in.])
WA810120	12G (45L)	Yellow	1	1 door, manual	890*590*460 (35 x 23 x 18)
WA810120R		Red	1	1 door, manual	890*590*460 (35 x 23 x 18)
WA810120B		Blue	1	1 door, manual	890*590*460 (35 x 23 x 18)
WA810120G		Green	1	1 door, manual	890*590*460 (35 x 23 x 18)
WA810120Gy		Gray	1	1 door, manual	890*590*460 (35 x 23 x 18)
WA810120W		White	1	1 door, manual	890*590*460 (35 x 23 x 18)
WA810121		Yellow	1	1 door, self-close	890*590*460 (35 x 23 x 18)
WA810121R		Red	1	1 door, self-close	890*590*460 (35 x 23 x 18)
WA810121B		Blue	1	1 door, self-close	890*590*460 (35 x 23 x 18)
WA810121G		Green	1	1 door, self-close	890*590*460 (35 x 23 x 18)
WA810121Gy		Gray	1	1 door, self-close	890*590*460 (35 x 23 x 18)
WA810121W		White	1	1 door, self-close	890*590*460 (35 x 23 x 18)
WA3810120	12G (45L)	Yellow	0	2 door, manual	460*1090*460 (18 x 43 x 18)
WA3810120R		Red	0	2 door, manual	460*1090*460 (18 x 43 x 18)
WA3810120B		Blue	0	2 door, manual	460*1090*460 (18 x 43 x 18)
WA3810120G		Green	0	2 door, manual	460*1090*460 (18 x 43 x 18)
WA3810120Gy		Gray	0	2 door, manual	460*1090*460 (18 x 43 x 18)
WA3810120W		White	0	2 door, manual	460*1090*460 (18 x 43 x 18)
WA3810121		Yellow	0	2 door, self-close	460*1090*460 (18 x 43 x 18)
WA3810121R		Red	0	2 door, self-close	460*1090*460 (18 x 43 x 18)
WA3810121B		Blue	0	2 door, self-close	460*1090*460 (18 x 43 x 18)
WA3810121G		Green	0	2 door, self-close	460*1090*460 (18 x 43 x 18)

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WA3810121Gy		Gray	0	2 door, self-close	460*1090*460 (18 x 43 x 18)
WA3810121W		White	0	2 door, self-close	460*1090*460 (18 x 43 x 18)
WA810150	15G (57L)	Yellow	1	1 door, manual	1120*590*460 (44 x 23 x 18)
WA810150R		Red	1	1 door, manual	1120*590*460 (44 x 23 x 18)
WA810150B		Blue	1	1 door, manual	1120*590*460(44 x 23 x 18)
WA810150G		Green	1	1 door, manual	1120*590*460 (44 x 23 x 18)
WA810150Gy		Gray	1	1 door, manual	1120*590*460 (44 x 23 x 18)
WA810150W		White	1	1 door, manual	1120*590*460 (44 x 23 x 18)
WA810151		Yellow	1	1 door, self-close	1120*590*460 (44 x 23 x 18)
WA810151R		Red	1	1 door, self-close	1120*590*460 (44 x 23 x 18)
WA810151B		Blue	1	1 door, self-close	1120*590*460 (44 x 23 x 18)
WA810151G		Green	1	1 door, self-close	1120*590*460 (44 x 23 x 18)
WA810151Gy		Gray	1	1 door, self-close	1120*590*460 (44 x 23 x 18)
WA810151W		White	1	1 door, self-close	1120*590*460 (44 x 23 x 18)
WA0810150	15G (57L)	Yellow	1	1 door, right hinge, manual	910*610*550 (36 x 24 x 22)
WA0810150S		Siviler	1	1 door, right hinge, manual	910*610*550 (36 x 24 x 22)
WA0810150N		Light Neutral	1	1 door, right hinge, manual	910*610*550(36 x 24 x 22)
WA0810151		Yellow	1	1 door, right hinge, self-close	910*610*550 (36 x 24 x 22)
WA0810151S		Siviler	1	1 door, right hinge, self-close	910*610*550 (36 x 24 x 22)
WA0810151N		Light Neutral	1	1 door, right hinge, self-close	910*610*550 (36 x 24 x 22)
WA1810150	15G (57L)	Yellow	1	1 door, left hinge, manual	910*610*550 (36 x 24 x 22)
WA1810150S		Siviler	1	1 door, left hinge, manual	910*610*550 (36 x 24 x 22)
WA1810150N		Light Neutral	1	1 door, left hinge, manual	910*610*550 (36 x 24 x 22)
WA1810151		Yellow	1	1 door, left hinge, self-close	910*610*550 (36 x 24 x 22)
WA1810151S		Siviler	1	1 door, left hinge, self-close	910*610*550 (36 x 24 x 22)
WA1810151N		Light Neutral	1	1 door, left hinge, self-close	910*610*550 (36 x 24 x 22)
WA3810170	17G (64L)	Yellow	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA3810170R		Red	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA3810170B		Blue	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA3810170G		Green	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA3810170Gy		Gray	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA3810170W		White	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA3810171		Yellow	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA3810171R		Red	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA3810171B		Blue	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA3810171G		Green	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA3810171Gy		Gray	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA3810171W		White	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA4810170	17G (64L)	Yellow	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA4810170R		Red	1	2 door, manual	610*1090*460 (24 x 43 x 18)

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WA4810170B		Blue	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA4810170G		Green	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA4810170Gy		Gray	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA4810170W		White	1	2 door, manual	610*1090*460 (24 x 43 x 18)
WA4810171		Yellow	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA4810171R		Red	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA4810171B		Blue	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA4810171G		Green	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA4810171Gy		Gray	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA4810171W		White	1	2 door, self-close	610*1090*460 (24 x 43 x 18)
WA0810190	19G (72L)	Yellow	1	2 door, manual	910*760*550 (36 x 30 x 22)
WA0810190S		Siviler	1	2 door, manual	910*760*550 (36 x 30 x 22)
WA0810190N		Light Neutral	1	2 door, manual	910*760*550 (36 x 30 x 22)
WA0810191		Yellow	1	2 door, self-close	910*760*550 (36 x 30 x 22)
WA0810191S		Siviler	1	2 door, self-close	910*760*550 (36 x 30 x 22)
WA0810191N		Light Neutral	1	2 door, self-close	910*760*550 (36 x 30 x 22)
WA810200	20G (76L)	Yellow	2	1 door, manual	1120*590*460 (44 x 24 x 18)
WA810200R		Red	2	1 door, manual	1120*590*460 (44 x 24 x 18)
WA810200B		Blue	2	1 door, manual	1120*590*460 (44 x 24 x 18)
WA810200G		Green	2	1 door, manual	1120*590*460 (44 x 24 x 18)
WA810200Gy		Gray	2	1 door, manual	1120*590*460 (44 x 24 x 18)
WA810200W		White	2	1 door, manual	1120*590*460 (44 x 24 x 18)
WA810201		Yellow	2	1 door, self-close	1120*590*460 (44 x 24 x 18)
WA810201R		Red	2	1 door, self-close	1120*590*460 (44 x 24 x 18)
WA810201B		Blue	2	1 door, self-close	1120*590*460 (44 x 24 x 18)
WA810201G		Green	2	1 door, self-close	1120*590*460 (44 x 24 x 18)
WA810201Gy		Gray	2	1 door, self-close	1120*590*460 (44 x 24 x 18)
WA810201W		White	2	1 door, self-close	1120*590*460 (44 x 24 x 18)
WA4810200	20G (76L)	Yellow	5	2 door, manual	1120*1090*300 (44 x 43 x 12)
WA4810200R		Red	5	2 door, manual	1120*1090*300 (44 x 43 x 12)
WA4810200B		Blue	5	2 door, manual	1120*1090*300 (44 x 43 x 12)
WA4810200G		Green	5	2 door, manual	1120*1090*300 (44 x 43 x 12)
WA4810200Gy		Gray	5	2 door, manual	1120*1090*300 (44 x 43 x 12)
WA4810200W		White	5	2 door, manual	1120*1090*300 (44 x 43 x 12)
WA4810201		Yellow	5	2 door, self-close	1120*1090*300 (44 x 43 x 12)
WA4810201R		Red	5	2 door, self-close	1120*1090*300 (44 x 43 x 12)
WA4810201B		Blue	5	2 door, self-close	1120*1090*300 (44 x 43 x 12)
WA4810201G		Green	5	2 door, self-close	1120*1090*300 (44 x 43 x 12)
WA4810201Gy		Gray	5	2 door, self-close	1120*1090*300 (44 x 43 x 12)
WA4810201W		White	5	2 door, self-close	1120*1090*300 (44 x 43 x 12)
WA810220	22G (83L)	Yellow	3	1-door, manual	1650*600*460 (65 x 23 x 18)
WA810220R		Red	3	1-door, manual	1650*600*460 (65 x 23 x 18)
WA810220B		Blue	3	1-door, manual	1650*600*460 (65 x 23 x 18)
WA810220G		Green	3	1-door, manual	1650*600*460 (65 x 23 x 18)

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WA810220Gy		Gray	3	1-door, manual	1650*600*460 (65 x 23 x 18)
WA810220W		White	3	1-door, manual	1650*600*460 (65 x 23 x 18)
WA810221		Yellow	3	1-door, Self-close	1650*600*460 (65 x 23 x 18)
WA810221R		Red	3	1-door, Self-close	1650*600*460 (65 x 23 x 18)
WA810221B		Blue	3	1-door, Self-close	1650*600*460 (65 x 23 x 18)
WA810221G		Green	3	1-door, Self-close	1650*600*460 (65 x 23 x 18)
WA810221Gy		Gray	3	1-door, Self-close	1650*600*460 (65 x 23 x 18)
WA810221W		White	3	1-door, Self-close	1650*600*460 (65 x 23 x 18)
WA0810230	23G (87L)	Yellow	1	2 door, manual	910*920*550 (36 x 36 x 22)
WA0810230S		Siviler	1	2 door, manual	910*920*550 (36 x 36 x 22)
WA0810230N		Light Neutral	1	2 door, manual	910*920*550 (36 x 36 x 22)
WA0810231		Yellow	1	2 door, self-close	910*920*550 (36 x 36 x 22)
WA0810231S		Siviler	1	2 door, self-close	910*920*550 (36 x 36 x 22)
WA0810231N		Light Neutral	1	2 door, self-close	910*920*550 (36 x 36 x 22)
WA810300	30G (114L)	Yellow	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300R		Red	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300B		Blue	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300G		Green	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300Gy		Gray	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300W		White	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810301		Yellow	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301R		Red	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301B		Blue	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301G		Green	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301Gy	30G (114L)	Gray	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301W		White	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810300D		Yellow	1	2 door, manual	890*910*610 (35 x 36 x 24)
WA810300RD		Red	1	2 door, manual	890*910*610 (35 x 36 x 24)
WA810300BD		Blue	1	2 door, manual	890*910*610 (35 x 36 x 24)
WA810300GD		Green	1	2 door, manual	890*910*610 (35 x 36 x 24)
WA810300GyD		Gray	1	2 door, manual	890*910*610 (35 x 36 x 24)
WA810300WD		White	1	2 door, manual	890*910*610 (35 x 36 x 24)
WA810301D		Yellow	1	2 door, self-close	890*910*610 (35 x 36 x 24)
WA810301RD		Red	1	2 door, self-close	890*910*610 (35 x 36 x 24)
WA810301BD	31G (117L)	Blue	1	2 door, self-close	890*910*610 (35 x 36 x 24)
WA810301GD		Green	1	2 door, self-close	890*910*610 (35 x 36 x 24)
WA810301GyD		Gray	1	2 door, self-close	890*910*610 (35 x 36 x 24)
WA810301WD		White	1	2 door, self-close	890*910*610 (35 x 36 x 24)
WA0810310		Yellow	1	2 door, manual	910*1220*550 (36 x 48 x 22)
WA0810310S		Siviler	1	2 door, manual	910*1220*550 (36 x 48 x 22)
WA0810310N		Light Neutral	1	2 door, manual	910*1220*550 (36 x 48 x 22)
WA0810311		Yellow	1	2 door, self-close	910*1220*550 (36 x 48 x 22)
WA0810311S		Siviler	1	2 door, self-close	910*1220*550 (36 x 48 x 22)

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WA0810311N		Light Neutral	1	2 door, self-close	910*1220*550 (36 x 48 x 22)
WA810400	40G (151L)	Yellow	3	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810400R		Red	3	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810400B		Blue	3	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810400G		Green	3	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810400Gy		Gray	3	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810400W		White	3	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810401		Yellow	3	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810401R		Red	3	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810401B		Blue	3	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810401G		Green	3	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810401Gy		Gray	3	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810401W		White	3	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810450	45G (170L)	Yellow	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450R		Red	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450B		Blue	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450G		Green	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450Gy		Gray	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450W		White	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810451		Yellow	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451R		Red	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451B		Blue	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451G		Green	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451Gy		Gray	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451W		White	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810540	54G (204L)	Yellow	3	1-door, manual	1650*600*870 (65 x 24 x 34)
WA810540R		Red	3	1-door, manual	1650*600*870 (65 x 24 x 34)
WA810540B		Blue	3	1-door, manual	1650*600*870 (65 x 24 x 34)
WA810540G		Green	3	1-door, manual	1650*600*870 (65 x 24 x 34)
WA810540Gy		Gray	3	1-door, manual	1650*600*870 (65 x 24 x 34)
WA810540W		White	3	1-door, manual	1650*600*870 (65 x 24 x 34)
WA810541		Yellow	3	1-door, Self-close	1650*600*870 (65 x 24 x 34)
WA810541R		Red	3	1-door, Self-close	1650*600*870 (65 x 24 x 34)
WA810541B		Blue	3	1-door, Self-close	1650*600*870 (65 x 24 x 34)
WA810541G		Green	3	1-door, Self-close	1650*600*870 (65 x 24 x 34)
WA810541Gy		Gray	3	1-door, Self-close	1650*600*870 (65 x 24 x 34)
WA810541W		White	3	1-door, Self-close	1650*600*870 (65 x 24 x 34)
WA810600	60G (227L)	Yellow	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810600R		Red	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810600B		Blue	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810600G		Green	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810600Gy		Gray	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810600W		White	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810601		Yellow	2	2 door, self-close	1650*860*860 (65 x 34 x 34)

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WA810601R		Red	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810601B		Blue	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810601G		Green	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810601Gy		Gray	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810601W		White	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810860	90G (340L)	Yellow	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860R		Red	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860B		Blue	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860G		Green	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860Gy		Gray	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860W		White	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810861		Yellow	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861R		Red	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861B		Blue	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861G		Green	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861Gy		Gray	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861W		White	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810300-HS	30G (114L)	Yellow	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300R-HS		Red	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300B-HS		Blue	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300G-HS		Green	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300Gy-HS		Gray	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810300W-HS		White	1	2 door, manual	1120*1090*460 (44 x 43 x 18)
WA810301-HS		Yellow	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301R-HS		Red	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301B-HS		Blue	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301G-HS		Green	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301Gy-HS		Gray	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810301W-HS		White	1	2 door, self-close	1120*1090*460 (44 x 43 x 18)
WA810450-HS	45G (170L)	Yellow	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450R-HS		Red	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450B-HS		Blue	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450G-HS		Green	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450Gy-HS		Gray	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810450W-HS		White	2	2 door, manual	1650*1090*460 (65 x 43 x 18)
WA810451-HS		Yellow	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451R-HS		Red	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451B-HS		Blue	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451G-HS		Green	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451Gy-HS		Gray	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810451W-HS		White	2	2 door, self-close	1650*1090*460 (65 x 43 x 18)
WA810600-HS	60G (227L)	Yellow	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810600R-HS		Red	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810600B-HS		Blue	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810600G-HS		Green	2	2 door, manual	1650*860*860 (65 x 34 x 34)

WA810600Gy-HS		Gray	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810600W-HS		White	2	2 door, manual	1650*860*860 (65 x 34 x 34)
WA810601-HS		Yellow	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810601R-HS		Red	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810601B-HS		Blue	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810601G-HS		Green	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810601Gy-HS		Gray	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810601W-HS		White	2	2 door, self-close	1650*860*860 (65 x 34 x 34)
WA810860-HS	90G (340L)	Yellow	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860R-HS		Red	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860B-HS		Blue	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860G-HS		Green	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860Gy-HS		Gray	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810860W-HS		White	2	2 door, manual	1650*1090*860 (65 x 43 x 34)
WA810861-HS		Yellow	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861R-HS		Red	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861B-HS		Blue	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861G-HS		Green	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861Gy-HS		Gray	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)
WA810861W-HS		White	2	2 door, self-close	1650*1090*860 (65 x 43 x 34)

2 DESCRIPTION

The steel safety cabinet is described as follows:

- 2.1 These manual and self-closing flammable and combustible liquid storage cabinets meet NFPA (National Fire Protection Association) Code 30, OSHA (Occupational Safety and Health Administration) Standard 1910.106 and/or the Uniform Fire Code (UFC 79 – self closing only) for the storage of Class I, II and III liquids. Maximum storage of Class I and Class II liquids is 60 gallons (227 L), maximum storage of Class III liquids is 120 gallons (454 L).
- 2.2 The cabinets are of double wall steel construction. Steel thickness for the walls, top and doors is 18 ga. (0.0472 in., 1.2 mm). The walls, top, and doors have a minimum 1-1/2 in. (38 mm) gap between the inner and outer panels. This gap acts as a thermal barrier in the event of a fire. Seams and joints are connected by a combination of spot welds and stitch welds.
- 2.3 The cabinet doors are provided with a lockable, non-sparking, three point latching mechanism. Heavy duty welded hinges with steel pins are also provided. Doors are provided with paddle style latches.
- 2.4 The cabinets are equipped with a leak-tight sill, 2 in. (50 mm) deep.
- 2.5 The cabinets are equipped with upper and lower diametrically opposed side vents. Vents consist of 2 inch NPS fitting for use in those areas where local Building Codes require cabinet ventilation to the outdoors. All vents are equipped with a flame arrestor and a means of plugging the vents externally.

- 2.6 A means is provided for attaching a separate grounding wire to the exterior of the cabinet.
- 2.7 Where noted, the cabinet is equipped with a self-closing mechanism. On two-door models, a sequencing mechanism is provided allowing the left door to close prior to the right door. The door also self-latches.
- 2.8 The fusible links automatically release the doors in the event of a fire when exposed to a temperature of 165°F (74°C) or greater.
- 2.9 Physical specifications of each cabinet are on file at FM Approvals.
- 2.10 The cabinets designated "HS" are High Security cabinets. These cabinets have an external steel bar securing the doors.

3 EXAMINATIONS AND TESTS

- 3.1 Samples were submitted for examination and testing. The samples were considered to be representative of standard production and were examined and tested as indicated below. All data is on file at FM Approvals along with other documents and correspondence applicable to this program.
- 3.2 All testing and analysis considered appropriate was conducted and verified to be in compliance with the Standards defined in Section 1.3.
- 3.3 One of the performance requirements and tests required by the Standard has been waived due to previous successful testing. See Table 1 below for details.

Table 1

Standard Number	Section	Test Name	Justification/Comments
6050	4.1	Loading	Included
6050	4.2	Fire Exposure	Included
6050	4.3	Flame Arrester	Included
6050	4.4	Self-Closing/Latching Operation	Included
6050	4.5	Release Operating Temp.	Waived *
6050	4.6	Spill Containment	Included

*Note: the fusible links are Approved by FM Approvals.

4 MARKING

- 4.1 The manufacturer shall mark each cabinet with the manufacturer's name and product trade name. In addition, each item must be marked with the Approval Mark of FM Approvals.
- 4.2 Markings denoting Approval by FM Approvals shall be applied by the manufacturer only within and on the premises of manufacturing locations under the FM Approvals Surveillance program.

- 4.3 The manufacturer agrees that use of the FM Approvals name or Approval Mark is subject to the conditions and limitations of the Approval by FM Approvals. Such conditions and limitations must be included in all references to Approval by FM Approvals.

5 REMARKS

- 5.1 Continued Approval is based upon fabrication and construction of steel cabinets in accordance with this Approval Report, satisfactory field experience and continued use of acceptable quality control procedures as determined by Surveillance Audits.
- 5.2 Additional guidance for the use of steel cabinets is outlined in FM Global Property Loss Prevention Data Sheets 7-32, Ignitable Liquid Operations.

6 SURVEILLANCE AUDIT

The manufacturing facilities at the following location(s) shall be visited on a routine basis. The facility processes and quality control procedures in place have been determined to be satisfactory to manufacture products identical to that tested and Approved. A Form 797 shall be submitted to FM Approvals for requesting to manufacture products at any additional or alternate manufacturing facilities which are not listed below.

Audit Location

Shanghai Sysbel Industry & Technology Co Ltd
South Building
No. 2579 Sihui Rd
Fengxian District
Shanghai
201415 China

7 MANUFACTURER'S RESPONSIBILITIES

- 7.1 Documentation that is applicable to this approval is on file at FM Approvals and listed in the Documentation File, Section 8, of this report. No changes of any nature shall be made unless notice of the proposed change has been given and written authorization obtained from FM Approvals. The Approved Product - Revision Report, FM Approvals Form 797, shall be forwarded to FM Approvals as notice of proposed changes.
- 7.2 When a steel cabinet is to be installed in an FM Global insured location, the manufacturer shall forward all submittals required by this Approval Report to the appropriate FM Global Operations Center for review and acceptance.
- 7.3 The manufacturer shall supply all instructions, materials, equipment, and assistance necessary for the complete, proper and satisfactory installation of the steel cabinet. Complete installation drawings shall be furnished and shall pertain to the specific steel cabinet supplied.
- 7.4 In accordance with the Master Agreement, the manufacturer shall make full and immediate disclosure to FM Approvals of all information concerning any defect in, or potential hazard of, the product or service manufactured or provided by the Customer

which is Approved by, or being examined by, FM Approvals. The manufacturer shall make all necessary arrangements for the investigation of complaints / anomalies applicable to this approval and shall keep records of all complaints / anomalies including actions taken.

8 DOCUMENTATION

The following document describes the steel cabinets and is on file at FM Approvals.

Document Title	Issue Date
Surveillance Audit Manual	November 2013

9 CONCLUSION

The products described in section 1.4 meet FM Approvals requirements. Since a duly signed Master Agreement is on file for this manufacturer, Approval is effective the date of this report.

PROJECT DATA RECORD: 3048177

ATTACHMENTS: None