

PREQUALIFICATION

TABLE OF CONTENTS

A	Sibca Product List
B	Company Profile
1	Trade Licenses
C	Certification / Approvals
1	Approvals from the Authorities
D	Technical Materials
1	Technical Data / Catalogue
2	Testing Certification / Technical Certifications
E	Reference
1	List of Completed Projects - Above 5 years in UAE / Gulf with dates

A. SIBCA PRODUCT LIST

	Item Description	Model	Approval	Brand
1	Fire Cabinet	Single / Double Door (Vertical, Horizontal)		SIBCA
2	1" x 30mtr, Fire hose reel, Manual / Automatic	GC-0181A, GC-0181B, GC-0182A, GC-0182B	LPCB / UAE CD	SIBCA
3	1" Lock Shield Valve	GC-0191		SIBCA
4	1" Pressure Reducing Valve	GC-0201		SIBCA
5	2.5" x 30mtr, Fire Hose	GB-0101, GB-0102, GB-0103, GB-0111	UL Listed / UAE CD	SIBCA
6	2.5" Branch Pipe	GB-0161		SIBCA
7	2.5" Landing Valve, Pressure Restricting type	GD-0261, GD-0262, GD-0263, GD-0264, GD-0265, GD-0266, GD-0267, GD-0268	UL Listed / UAE CD	SIBCA
8	2.5" Oblique Landing Valve	GD-0220, GD-0230	Kitemark / UAE CD	SIBCA
9	2.5" Landing Valve, Pressure Regulating type	GD-0240	Kitemark / UAE CD	SIBCA
Fire Extinguishers:				
10	1kg/2kg/4kg/6kg/9kg ABC, Fire Ext, dry powder	GA-0011, GA-0013, GA-0015, GA-0016, GA-0017	Kitemark / UAE CD	SIBCA
11	2kg/5kg BC Fire Ext, Carbon dioxide.	GA-0021, GA-0022	Kitemark / UAE CD	SIBCA
12	6L/9L Foam Fire Ext	GA-0031, GA-0032	Kitemark / UAE CD	SIBCA
13	6L/9L Water, Fire Ext	GA-0041, GA-0042	Kitemark / UAE CD	SIBCA
14	2L/3L/6L Wet Chemical, Fire Ext	GA-0051, GA-0052, GA-0053	Kitemark / UAE CD	SIBCA
15	Fire Blanket	GN-0601, GN-0602, GN-0603, GN-0604, GN-0605	LPCB / UAE CD	SIBCA
Fire Fighting Valves and other accessories				
16	OS&Y Gate Valve	GN-0368-FF, GN-0369-FF, GN-0369-FG, GN-0369-GG, GN-0371-FF, GN-0371-FG, GN-0371-GG, GN-0372-FF, GN-0372-FG, GN-0372-GG, GN-0373-FJ, GN-0373-JJ, GN-0374-FJ, GN-0374-JJ, GN-0375-FJ, GN-0375-JJ, GN-0376-FF, GN-0376-FG, GN-0376-FJ, GN-0376-GG, GN-0376-JJ	UL/FM Listed / UAE CD	SIBCA
17	NRS Gate Valve	GN-0361-FF, GN-0362-FF, GN-0362-FG, GN-0362-GG, GN-0363-FF, GN-0363-FG, GN-0363-GG, GN-0364-FF, GN-0364-FG, GN-0364-GG, GN-0365-FJ, GN-0365-JJ, GN-0366-FJ, GN-0366-JJ, GN-0367-FJ, GN-0367-JJ, GN-0377-PFF, GN-0377-PFG, GN-0377-PFJ, GN-0377-PGG, GN-0377-PJJ	UL/FM Listed / UAE CD	SIBCA
18	Butterfly Valve	GN-03833, GN-0385, GN-0386, GN-0387	UL/FM Listed / UAE CD	SIBCA
19	Swing Check Valve	GN-0390, GN-0391, GN-0392, GN-0393, GN-0399	UL/FM Listed / UAE CD	SIBCA
20	Pressure Gauge	PG01	UL Listed	FLOWCOM
Sprinkler Heads:				
21	1" Air Release Valve.	AMARV	UL / FM Listed	APC
22	1/2" Upright Sprinkler head	GH0311, GH0312	UL Listed / UAE CD	SIBCA
23	1/2" Pendent Sprinkler head	GH0321, GH0322	UL Listed / UAE CD	SIBCA
24	1/2" Sidewall Sprinkler head	GH0301, GH0302	UL Listed / UAE CD	SIBCA
25	1/2" Concealed Sprinkler head	GH0341, GH0342	UL Listed / UAE CD	SIBCA

	Sprinkler Valves and other accessories			
26	2"-12" Sprinkler Alarm Check Valve	GI-0461, GI-0462, GI-0463, GI-0464	UL/FM Listed / UAE CD	SIBCA
	Zone Control Valve, Assembly C/W:			
27	2"-8" Butterfly Valve, Grooved, 300 PSI	GN-0385	UL/FM Listed / UAE CD	SIBCA
28	2"-8" Flow Detector	VDRS		IRON MAN
29	1"-2" Test and Drain Valve	VTN01		FLOWCOM
30	Pressure Gauge	PG01		FLOWCOM
31	Tamper Switch for OS&Y gate valve	GSS01	FM Approved	FLOWCOM
	Breeching Inlet:			
32	2Way x 4" / 4Way x 6" breeching inlet, (Red Finish)	GD-0251 / GD-0252	Kitemark / UAE CD	SIBCA
33	Breeching Inlet cabinet,	Single Door, Horizontal		SIBCA
	Fire Hydrant			
34	Wet Barrel Hydrant	GE-0281, GE-0281A, GE-0282, GE-0282A	UL / FM Listed / UAE CD	SIBCA
35	Dry Barrel Hydrant	GE-0271, GE-0272	UL / FM Listed / UAE CD	SIBCA
	Fire Pumps			
36	Centrifugal, Horizontal End Suction	VES 40-250, VES 50-250, VES65-250, VES 80-200, VES 80-250, VES 80-315, VES 100-200, VES 100-250, VES 100-315, VESD-150-100-200, VESD-150-100-315	UL Listed	SIBCA
37	Centrifugal, Horizontal Split Case	VSC5-80-350, VSC8-150-310, VSC8-150-330, VSC8-150-600, VSP 125-290, VSP 150-290, VSP 150-360,	UL Listed	SIBCA.
38	Centrifugal, Vertical Turbine	SVT 10.8-16.9, SVT 13.4-18.1, SVT 3.1-5.7, SVT 3.9-6.1, SVT 4.9-7.1, SVT 5.7-10.6, SVT 5.9-10.4, SVT 5.9-8.5, SVT 6.3-9.0, SVT 6.7-12.0, SVT 7.3-13.2, SVT 7.9-13.8, SVT 8.9-15.7, SVT 9.8-15.7	UL Listed	SIBCA.
	Special System:			
39	Foam Bladder Tank & Proportioner	GK-0541	UL Listed / UAE CD	SIBCA
	Sprinkler Pipes:			
40	Steel Sprinkler Pipes	ASTM A53, Schedule 40, Grade B	UL Listed / UAE CD	SIBCA
	Fire Cable			
41	Fire Resistant Cable	2 Core - 1 mm ² , 1.5 mm ² & 2.5 mm ² with class 1 conductor, Cu/Silicone/Polyester tape/TC Drain wire/Al Foil Screened/Polyolefin sheathed	UL Listed / UAE CD	SIBCA

B. COMPANY PROFILE



CORPORATE BROCHURE



PROTECT



SECURE



INNOVATE

EST. 1977



TOWARDS A SMART, SECURE, & CONNECTED FUTURE



ABOUT US

From humble beginnings in **1977**, SIBCA has grown to become one of the leading providers of **Fire Protection, Life Safety and ICT solutions in the UAE, Bahrain and Qatar.**

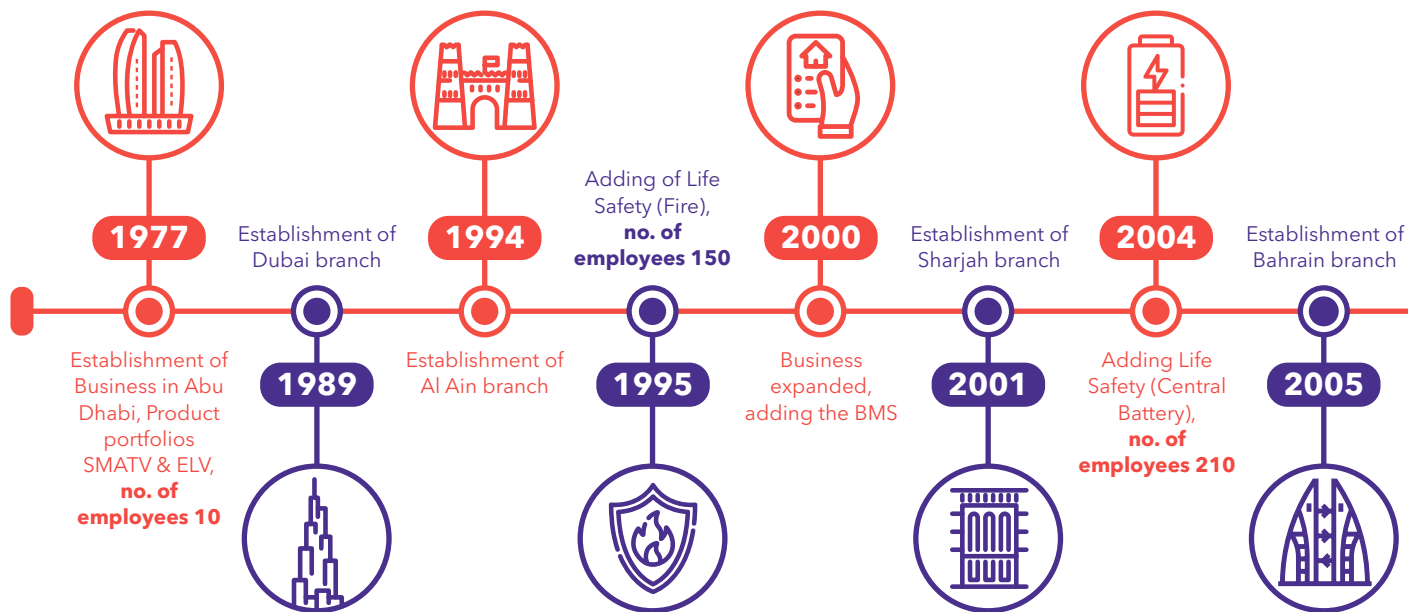
With more than **1400** dedicated staff working in the UAE, India, Bahrain and Qatar, SIBCA has built a reputation of trust and excellence with its customers including contractors and end-users. Today, the SIBCA brand is synonymous with reliability in designing, implementing cutting-edge technology, customer service, and support.

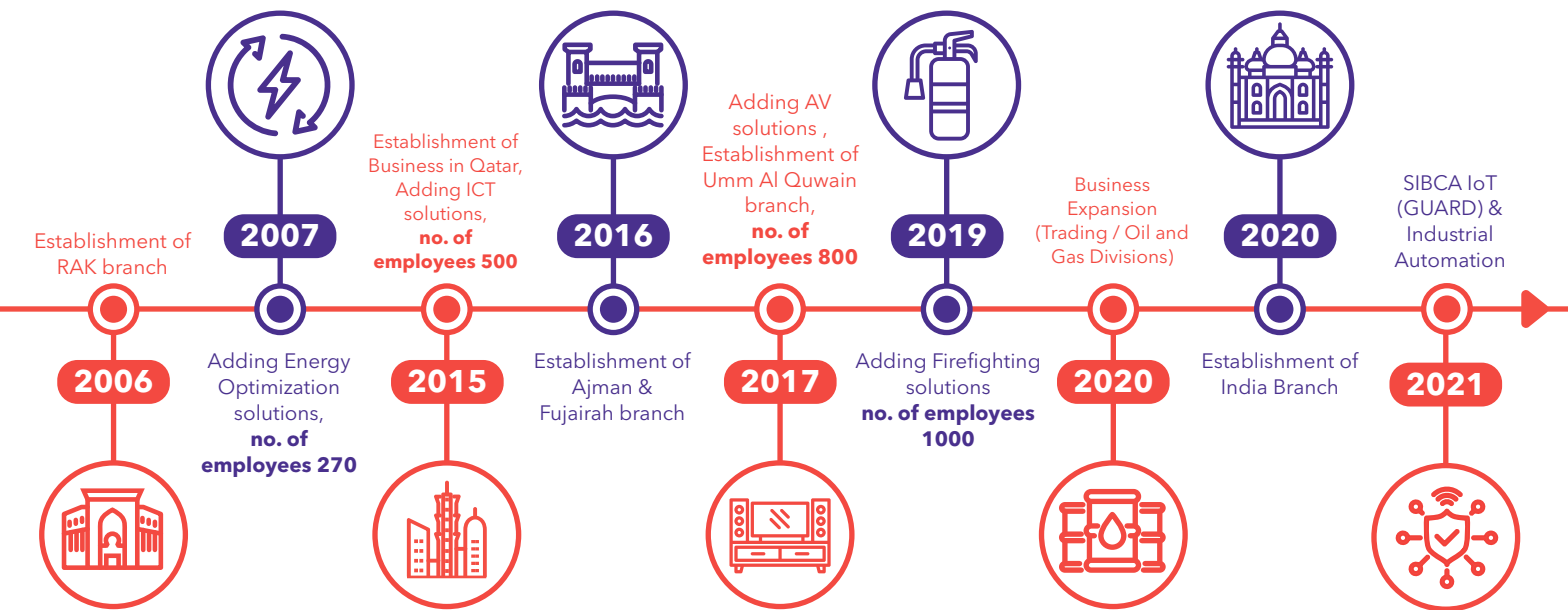
SIBCA partners with international industrial leaders, to provide bespoke solutions, from initial needs assessment to systems engineering, design, installation and commissioning.

With on-going 24/7 operations and maintenance, SIBCA provides value-added and innovative solutions to meet our customers' unique needs.

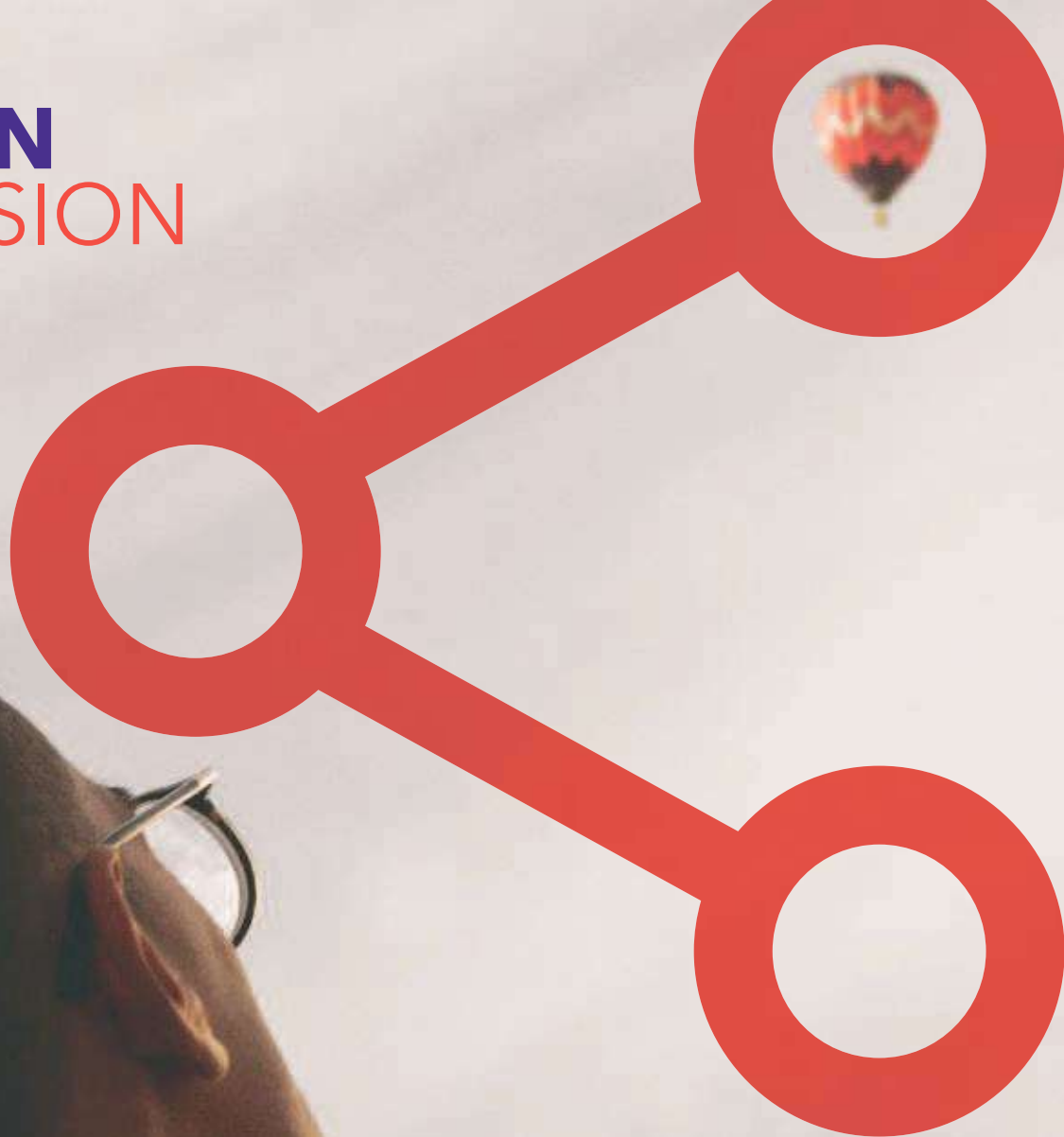


SIBCA HISTORY





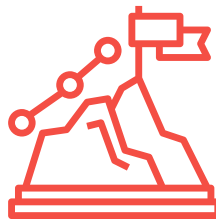
VISION & MISSION





VISION

Make every building safe, efficient and connected.



MISSION

Delivering world-class, cost-effective solutions through long-term, strategic partnerships.



CORE VALUES

These five corporate values drive our partner and customer relationship strategies.



SAFETY

Prioritizing safety in all aspects of product development, procurement, design, installation, commissioning, and maintenance by complying with local regulations and international standards.



COMMITMENT

Delivering exceptional service with accountability, on time and every time.



EXPERTISE

Maintaining world-class standards in engineering and customer service by hiring, training and retaining the best talent.



INNOVATION

Staying ahead of the curve and adapting to market conditions and customer expectations, with new and creative ideas, latest proven technologies, processes and products.



PASSION

Helping clients achieve their goals with eagerness and enthusiasm.



BRAND PROMISE



At SIBCA, our promise and commitment is to
PROTECT and SECURE
our clients buildings as safely and efficiently as possible.



OUR SOLUTIONS





Assets such as commercial, residential, industrial, mixed-use, and government buildings require continuous management and improvement of their internal environments as well as **24/7** protection against accidental and intentional damage in order to ensure the well-being and safety of their occupants.

Building automation and control systems enhance the energy efficiency and safety of buildings through continuous monitoring and optimization of their resources. SIBCA, through its different business solutions and wide network of international partners, offers the consultancy, products, technology, and support required to improve the performance and safety of buildings and minimize their life-cycle costs.



FIRE PROTECTION & LIFE SAFETY SYSTEMS

 **Simplex**

awex
MIDDLE EAST

INOTEC
Sicherheitstechnik GmbH


Doncaster Cobas

 **ASL**



FIRE PROTECTION & LIFE SAFETY SYSTEMS







Fire incidents are among the biggest threats to people and property. When detected early, fire incidents can be managed within enough time to allow building occupants to evacuate and fire fighters to extinguish the fire.

Managing fire-related risks and accidents is a fine balance of various approaches and methods involving early detection of heat and smoke, suppression of fires, timely and intelligible communication, simultaneous or staggered evacuation of occupants.

Protection of both people and property during a fire can be guaranteed only if the building is equipped with integrated fire detection & mass notification systems. These include fire fighting solutions comprising of fire fighting pumps, automatic sprinklers, standpipe, hydrants, deluge & gas suppression systems. These work together to fight the situation and safeguard assets. The requirement of such systems varies with the size, design, and application of buildings and their occupants. Therefore, every integrated life safety system requires a bespoke solution suited to the building's application, such as industrial, commercial or residential.

SIBCA's solutions include the effective design of fire protection & detection systems according to international standards. Our trained, certified and experienced engineers are equipped with the latest hydraulic calculation program and regulations required for all building and business verticals.

Our suite of Fire & Life Safety solutions includes:

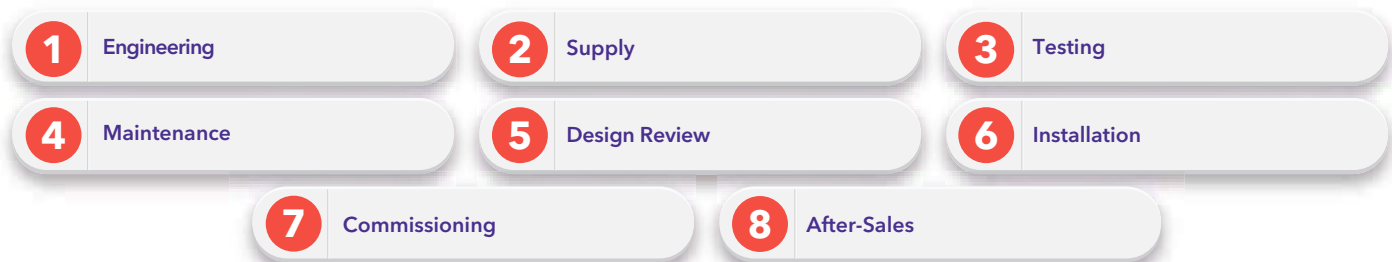
- | | | | | | | | | |
|----------|--|---|----------|---|--|----------|--|---|
| 1 | Fire Detection Systems |  | 2 | Public Address & Voice Evacuation Systems |  | 3 | Central Battery Systems |  |
| 4 | Monitored Self-contained Emergency & Exit Lighting |  | 5 | Aspirating Smoke Detection Systems |  | 6 | Gaseous Fire Suppression & Extinguishing |  |

SIBCA's team of experts analyzes each building requirement separately before designing, customizing, maintaining or upgrading life safety systems according to building applications

FIRE FIGHTING SOLUTIONS



In early 2019, SIBCA widened its range of products and services and opened a division for fire fighting that offers the expertise in accordance with international/local codes and standards as below:



SIBCA provides solutions in fire protection and automation, gaseous systems, and foam systems. We pride ourselves on quality and cost effective engineering solutions in accordance with recognized international codes/standards and local regulations. As pioneers in the industry with more than 30 years experience, we have been leading in the industry with high-level expertise providing design, engineering, supply, installation and maintenance on products and projects.



To achieve excellence in services, SIBCA has appointed experts from wide range of background and experiences. Such diversity of expertise has created robust organizational experience to help deliver several projects with different complicity and challenges. Moreover, we cater a wide range of fire fighting solutions for diverse customer needs including Commercial, Residential, Industrial Process Plant, Warehouses, Power Stations, Military Facilities, Government Institutions, Health Care Facilities, Educational & Air Transport Infrastructure.

Over the course of time, we have completed and taken part in many prestigious projects in UAE. We have allocated on-site and off-site qualified staff from different resources with exceptional experience in the fire fighting field.

Our suite of Fire Fighting solutions includes:

- 1

Clean Agent system
- 2

Sprinkler System Wet/Dry
- 3

Standpipe System
- 4

Foam System
- 5

Fire Fighting Pump
- 6

Water Mist System



SIBCA is proud to have partnered with many organizations, locally and internationally, providing our expert solutions, products, and services on many applications according to various requirements.

AFTER SALES SUPPORT

At SIBCA, we listen to customer requirements carefully and develop a customized maintenance and support solution that best fits individual customer needs, including:

**PREVENTIVE
MAINTENANCE**

**REACTIVE &
CORRECTIVE
MAINTENANCE**

**SPARES
MANAGEMENT**

**SYSTEM
INSPECTION
& DIAGNOSTICS**

**24/7
OPERATIONS
SUPPORT**

**STAFF
AUGMENTATION**

**24/7 REMOTE
MONITORING**

**FULLY
OUTSOURCED
ARRANGEMENTS**

All SIBCA's support is delivered in line with stringent local regulations such as the UAE Fire Code/NFPA/MCC and other maintenance codes, including SFG20.



24/7 CUSTOMER SERVICE DESK SUPPORT

SIBCA's maintenance teams are reachable via a 24/7 Customer Service Desk **800-SIBCA (74222)**. The service desk agents log on an ITIL certified Service Desk follows up, and track service calls to ensure meeting the SLAs. The Service Desk agents are backed with experienced and certified engineers who are always ready to provide an immediate response, whether it is day or night.



ANNUAL MAINTENANCE CONTRACT (AMCs)

We undertake Annual Maintenance Contracts of any type - comprehensive, non-comprehensive or semi-comprehensive. Our teams work extensively with customers to fine-tune an appropriate AMC package to suit their needs.



SERVICE LEVEL AGREEMENTS

SIBCA undertakes Annual Maintenance Contracts with a commitment towards any stringent Service Level Agreements. Dedicated service coordinators are employed to manage Key Performance Indicators (KPIs) associated with the SLAs.

**For further information on how we can support, please contact your local office
800 - SIBCA (74222) service@sibca.com**

TRAINING & DEVELOPMENT

A photograph of two men in an industrial setting. The man on the left is wearing a black jacket with an orange safety vest. The man on the right is wearing a plaid shirt, a grey safety harness, and an orange hard hat. They are both looking down at a laptop computer that is open in front of them. The background is slightly blurred, showing industrial equipment and structures.


SIBCA performs scheduled manpower skills development programs to improve the overall performance of our personnel. Highly qualified senior project staff provide local and overseas training on new technologies and their incorporation into our project management processes.

SIBCA has dedicated training centers where extensive equipment handling, and installation procedures are imparted to our project execution personnel to ensure they maintain quality standards. Employees are assessed regularly to monitor their skill development, and appropriate steps are taken to improve the overall efficiency and ensure the quality of our project execution.

Technical Excellence Team

SIBCA has a dedicated team of Subject Matter Experts that imparts regular training to engineers and technicians, supports the sales team in making cost-effective technical solutions, assists commissioning engineers in technically demanding projects and is responsible for internal audit of completed installations.

OUR PARTNERS

A close-up photograph of two hands holding two light-colored wooden puzzle pieces. The hands are positioned to bring the pieces together, with the puzzle pieces slightly offset from each other. The background is blurred, showing a person in a dark shirt and a bright, out-of-focus light source. The overall tone is professional and collaborative.

Our position as a market leader compels us to fulfill our commitment to our clients and offer the world's most advanced and cutting edge innovative technological solutions. To deliver our promise, we have created and nurtured strategic partnerships with global technology companies, which have resulted in privileged relationships that serve mutual interests.

In addition to the leading names in technology across the world, we also engage in partnerships with several manufacturers that enjoy market-leading positions in their fields of expertise.

As a company that has envisioned and prioritized regional growth, we are always looking to cement partnerships and establish relationships with suppliers and innovators that are interested in exploring opportunities in the region.

LOCATION & CONTACTS



CONTACT US

Whether you are looking for a demo, a quote or just to have a chat to see if SIBCA is right for you; don't hesitate to contact us.

UNITED ARAB EMIRATES

ABU DHABI - HEAD OFFICE

P.O. Box 46944, Abu Dhabi, UAE
Quba Street, behind Etisalat T & A - Khalidiya Street.
Tel: +971 2 497 8600 | Fax: +971 2 497 8700
Email: info@sibca.com | trading@sibca.com

AL AIN

P.O. Box 19318, Al Ain, UAE
403, Building No.43, Oud Al Touba Street
Tel: +971 3 751 8080 | Fax: +971 3 751 9280
Email: info@sibca.com

DUBAI

P.O. Box 55472, Dubai, UAE
2nd Floor, Vision Tower, Business Bay.
Tel: +971 4 381 9444 | Fax: +971 4 381 9445
Email: info@sibca.com

SHARJAH

P.O.Box 5608, Sharjah, UAE
1004, Al Mulla Tower, Al Nahda.
Tel: +971 6 502 8555 | Fax: +971 6 502 8500
Email: sibca.shj@sibca.com

AJMAN

P.O. Box 22563, Ajman, UAE
1901, D Block, Horizon Tower
Tel: +971 6 538 2117
Email: sibca.ajm@sibca.com

UMM AL QUWAIN

P.O. Box 5608, UAQ, UAE
2, Malik Faisal Road
Tel: +971 6 539 5879
Email: sibca.uaq@sibca.com

PAKISTAN

KARACHI- BRANCH OFFICE

P.O. Box 75850, KHI, PK
Tel: +971 55 158 6619 / +92 345 3230843
Email: rahilansari@eispak.com / Sathish.S@sibca.com

FUJAIRAH

P.O. Box 22563, Fujairah, UAE
1001, Emirates Islamic Bank Building
Tel: +971 9 222 1816
Email: sibca.fuj@sibca.com

KINGDOM OF BAHRAIN

MANAMA

P.O. Box 5703
Office 12, MSCEB Bldg. 123, Road 402,
Manama 304, Kingdom of Bahrain
Tel: +973 172 12639 | Fax: +973 172 12638
Email: info@sibca.com

QATAR

DOHA

P.O. Box 30550
219, KGH Building, C Ring Road, Doha, Qatar
Tel: +974 4038 2853
Email: info@sibca.qa

INDIA

KERALA

P.O.Box 695010
TC 22/3306-2, 1st Floor, Lumiere,
Sasthamangalam, Thiruvananthapuram
Tel: +91 471 7967017
Email: sibca.india@sibca.com



Customer Support : 800 - SIBCA (74222)
www.sibca.com

B.1 TRADE LICENSE

INDUSTRIAL LICENSE

رخصة صناعية

License No

IN-2005246

Emerging Industrial Establishment

رقم الرخصة

License Status : Industrial Leader

منشأة صناعية ناشئة

Legal Form : Sole Proprietorship L.L.C.

الشكل القانوني : شركة الشخص الواحد ذ م م

ADCCI No :

عضوية الغرفة :

First Issue Date : 02/11/2022 : تاريخ أول إصدار

Enviroment No. :

Issue Date : 02/11/2023 : تاريخ الإصدار

FCR No. : -

Expiry Date : 01/11/2024 : تاريخ الإنتهاء

Trade Name No. : TN-5016135

جارء لصناعة معدات مكافحة الحريق - ذ.م.م - ش.ش.و

رقم الإسم التجاري

Trade Name : Guard Fire Fighting Equipment Manufacturers - L.L.C - O.P.C

الإسم التجاري

Location : غير متطلب

موقع المنشأة

Owner(s) Partner(s) اسم صاحب المنشأة / الشركاء

نسبة الشراكة Share (%)	الصلة Role	الجنسية Nationality	الملاك / الشركاء Owners / Partners	#
100.00 %	مالك Owner	الإمارات العربية المتحدة United Arab Emirates	Ibrahim Ibrahim Mohamed Hussain Lari Lari Ibrahim Lari	1

Activities الأنشطة

Activity	#
1 Steel Tubes Fittings of All Kinds Manufacturing	1 صناعة وصلات الأنابيب الصلب بكافة أنواعها
2 Cast Iron Tubes, Pipes, Hollow Profiles and Fittings Manufacturing	2 صناعة أنابيب ومواسير وأشكال مجوفة ولوازمها من حديد الصب
3 Tubes and Pipes Fittings of Cast-Steel Manufacturing	3 صناعة لوازم الأنابيب و المواسير من الصلب الصب
4 Pipe Systems Manufacturing	4 صناعة أنظمة الأنابيب
5 Electric Motors Manufacturing	5 صناعة المحركات الكهربائية
6 Electric Power Distribution Control Panels Manufacturing	6 صناعة لوحات التحكم لتوزيع الطاقة الكهربائية
7 Insulated Wires and Cables Manufacturing	7 صناعة الأسلاك والكابلات المعزولة
8 Electrical Wiring Boxes Manufacturing	8 صناعة علب الأسلاك الكهربائية
9 Internal Combustion Engines Pumps Manufacturing	9 صناعة مضخات محركات الاحتراق الداخلي
10 Machine Tools Parts and Accessories Manufacturing	10 صنع أجزاء ولوازم للعدد الآلية
11 Protective Safety Equipment Manufacturing	11 صناعة معدات السلامة الواقية

INDUSTRIAL LICENSE

رخصة صناعية

License No

IN-2005246

رقم الرخصة

Emerging Industrial Establishment

منشأة صناعية ناشئة

License Status : Industrial Leader

حالة الرخصة : رواد الصناعة

Legal Form : Sole Proprietorship L.L.C.

الشكل القانوني : شركة الشخص الواحد ذ م م

ADCCI No :

عضوية الغرفة :

First Issue Date : 02/11/2022 : تاريخ أول إصدار

Enviroment No. :

الرقم البيئي :

Issue Date : 02/11/2023 : تاريخ الإصدار

FCR No. :

السجل المركزي الموحد :

Expiry Date : 01/11/2024 : تاريخ الإنتهاء

Trade Name No. : TN-5016135

رقم الإسم التجاري :

جار د لصناعة معدات مكافحة الحريق - ذ.م.م - ش.ش.و

الإسم التجاري :

Trade Name : Guard Fire Fighting Equipment Manufacturers - L.L.C - O.P.C

Location : غير مطلوب - Not Required

موقع المنشأة :

"Industrail Leader" Terms and conditions

اشتراطات رخصة "رواد الصناعة"

1. The location is not mandatory
 2. The license is issued for a maximum duration of 2 years.
 3. The license does not entitle its owner for loans or banking facilities.
 4. The license does not entitle the owner for governmental incentives related to industrial inputs.
 5. The license allows 2 visas.
 6. Within the 2 years , the owner has to transform the license status from "Industrail Leader" to "Under Construction" license in compliance with all applicable rules otherwise it will be stalled out.
 7. Industrail Leader license does not permit to open a branch.
 8. The license does not permit the owner/ partners to practice the industrial activity.
 9. The Industrial Bureau has the right to amend these terms and conditions from time to time as per the requirements of the public interests.
 10. Owners / Partners should attest Memorandum Of Association (MOA) within one month of the issuance date, otherwise; the license will be considered cancelled if the MOA not attested from the notary public.
1. تستثنى الرخصة من شرط الموقع.
 2. مدة الرخصة سنتين.
 3. لا تخول صاحبها الحصول على قروض وأي تمويلات بنكية.
 4. لا تسمح الرخصة بالحصول على الإعفاءات الجمركية من مدخلات الصناعة.
 5. تسمح الرخصة لصاحبها باستخراج عدد تأشيراتي عمل .
 6. يتعين تحويل رخصة "رواد الصناعة" قبل انتهاء مدتها إلى رخصة " قيد الإنشاء"، وفي حالة عدم الالتزام بذلك يتم تجميد الرخصة.
 7. لا يمكن فتح فرع في حالة راود الصناعة.
 8. لا تخول هذه الرخصة صاحبها / الشركاء ممارسة النشاط الصناعي.
 9. لمكتب الصناعة بالدائرة تعديل المتطلبات والشروط بالإضافة والإلغاء من وقت لآخر وفق مقتضيات المصلحة العامة.
 10. يتوجب على الملاك/الشركاء توثيق عقد التأسيس أو النظام التأسيسي خلال شهر من تاريخ إصدار هذه الرخصة وإلا تعتبر الرخصة ملغاة في حال عدم التوثيق لدى كاتب العدل.

الترخيص صادر من قبل سلطة الترخيص المحلية في إمارة أبوظبي خارج المناطق الحرة

The license is issued by the local licensing authority in the Emirate of Abu Dhabi outside the free zones

Offical Email

abdul.azeez@sibca.com

البريد الإلكتروني الرسمي

Offical Mobile Number

+971529114885

رقم الهاتف المتحرك الرسمي



TAHAQAQ تحقق

IR-4235272 - 06/10/2023

Page2 of 2

www.idb.added.gov.ae

Commercial License

رخصة تجارية

License No	:	CN-1033237	:	رقم الرخصة
ADCCI No	:	2024	:	عضوية الغرفة
Establishment Card MOHRE	:	2269	:	وزارة الموارد البشرية والتوطين بطاقة المنشأة
Establishment Card ICA	:		:	الهيئة الاتحادية للهوية والجنسية - بطاقة المنشأة
Legal Form	:	Sole Proprietorship L.L.C.	:	الشكل القانوني شركة شخص الواحد ذ م م
Trade Name	:	SIBCA ELECTRONIC EQUIPMENT COMPANY LIMITED - SOLE PROPRIETORSHIP L.L.C.	:	الإسم التجاري شركة سيبكا للأجهزة الإلكترونية المحدودة - شركة الشخص الواحد ذ م م
Establishment Date	:	17/03/1993	:	تاريخ تأسيس المنشأة
Issue Date	:	04/01/2022	:	تاريخ الإصدار
Expiry Date	:	19/02/2025	:	تاريخ الإنتهاء

الصلة Role	الجنسية Nationality	المالك / الشركاء Owners / Partners	الرمز No.
مالك Owner	الإمارات العربية المتحدة United Arab Emirates	ابراهيم محمد حسين لاري IBRAHIM MOHAMED HUSSAIN LARI	20012393

Commercial Activities :	الأنشطة التجارية :
- Retail Sale Of Aerials And Receivers	- بيع الهوائيات و اجهزة الاستقبال - بالتجزئة
- Retail Sale of Safety and Fire Fighting Equipments and Devices	- بيع معدات واجهزة السلامة واطفاء الحريق - بالتجزئة
- Electronic Apparatuses And Equipments Repairing	- إصلاح الأجهزة والمعدات الإلكترونية
- Alarm Systems Installation, Fitting and Repair	- تركيب وتمديد وإصلاح نظم الإنذار
- Security & Surveillance Systems Installation & Maintenance	- تركيب معدات وأجهزة الأمن والمراقبة وصيانتها
- Computer Infrastructure Establishment, Institution and Maintenance	- إنشاء وتأسيس وصيانة البنية التحتية للحاسب الآلي
- Installation and repair of safety equipment and fire extinguishing systems	- تركيب وأصلاح نظم معدات السلامة و إطفاء الحريق
- Television And Satellite Channel Receivers Installation And Maintenance	- تركيب وصيانة معدات إستقبال القنوات التلفزيونية و الفضائية
- Wholesale Of Measurement And Control Equipment And Devices Trading	- تجارة معدات واجهزة القياس و التحكم - بالجملة
- Wholesale Of Precise Electronic Devices Trading	- تجارة الاجهزة الإلكترونية الدقيقة - بالجملة
- Wholesale Of Telecommunication Equipment Trading	- تجارة معدات الاتصال السلكية - بالجملة
- Installation And Maintenance Of Equipment And Instrumentation And Control	- تركيب وصيانة معدات وأجهزة القياس والتحكم
- Retail Sale Of Alarm And Surveillance Apparatuses And Equipments	- بيع اجهزة ومعدات الانذار والمراقبة - بالتجزئة
- Sale of wireless equipment and tools - Retail	- بيع معدات واجهزة الاتصال اللاسلكي - بالتجزئة

وثيقة معتمدة وصادرة بدون توقيع أو ختم من دائرة التنمية الاقتصادية - أبوظبي. للتحقق من صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.adbc.gov.ae

Approved document issued without signature or stamp by the Department of Economic Development - Abu Dhabi. To verify the license kindly visit www.adbc.gov.ae

Official Email	:	info@sibca.com	:	البريد الإلكتروني الرسمي
Official Mobile	:	971529114885	:	رقم التواصل الرسمي



- Buildings Energy Efficiency Services
- Retail Sale of Computers and Their Accessories
- Computer Systems and Software Designing
- Importing
- Onshore And Offshore Oil And Gas Fields And Facilities Services
- خدمات كفاءة الطاقة في المباني
- بيع أجهزة الحاسب الآلي ولوازمها - بالتجزئة
- تصميم نظم وبرامج الحاسب الآلي
- استيراد
- خدمات حقول ومنشآت النفط والغاز البرية والبحرية

It's not allowed to practice any of the media activities without the previous approval of Ministry of Culture and Youth- Media Regulatory Office

لا يسمح بممارسة الأنشطة الإعلامية الا بعد الحصول على موافقة وزارة الثقافة والشباب - مكتب تنظيم الاعلام

Address	:	جزيرة ابوظبي, غرب 4, 0 : ~, مبنى, السيد محمد احمد ناصر احمد عبدالله و اخرين	:	العنوان
Onwani Address	:		:	العنوان الموحد
Remarks	:	عدم استيراد اجهزه تحتوي على مواد كلوروفلوروكاربونية CFC - Free	:	الملاحظات

وثيقة معتمدة وصادرة بدون توقيع أو ختم من دائرة التنمية الاقتصادية - أبوظبي. للتحقق من صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.adbc.gov.ae

Approved document issued without signature or stamp by the Department of Economic Development - Abu Dhabi. To verify the license kindly visit www.adbc.gov.ae

Official Email	:	info@sibca.com	:	البريد الإلكتروني الرسمي
Official Mobile	:	971529114885	:	رقم التواصل الرسمي



وزارة الداخلية
القيادة العامة للشرطة
MINISTRY OF INTERIOR
GEN. COMMAND OF CIVIL DEFENSE

C.1 APPROVALS FROM AUTHORITIES

D.1 TECHNICAL DATA / CATALOGUE

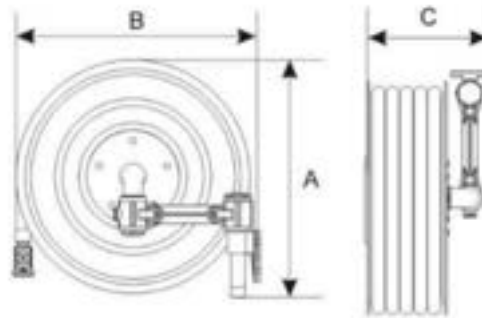
Technical Specifications

Model	GC-0185C(A)	GC-0185C(B)
Brand	SIBCA	
Approval	LPCB Approved (1038BGa)	
Design Standard	EN 671-1	
Type	Manual	Automatic
Hose Nominal Bore	19mm	25mm
Hose Maximum Length	30m	
Nozzle Type	Lever operated jet only or rotary operated jet/spray	
Maximum Working Pressure	12 Bar	
Minimum Flow Rate	6mm > 41 l/min	
Effective Throw Range	Jet > 10m / Spray > 3m	
Spray Discharge	Adjustable Conical > 45°	



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0185C(A)	Manual & Swinging Pipe	19mm x 30m	570	580	270	700 x 700 x 300	LPCB
GC-0185C(B)	Automatic & Swinging Pipe	25mm x 30m	570	580	300	700 x 700 x 330	LPCB



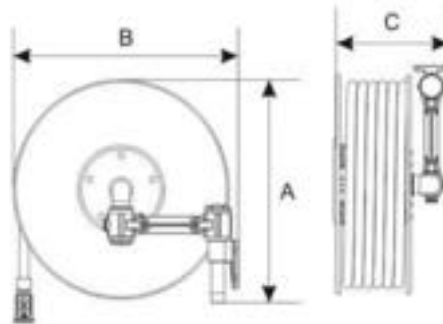
Technical Specifications

Model	GC-0185D(A)	GC-0185D(B)
Brand	SIBCA	
Approval	LPCB Approved	
Design Standard	EN 671-1	
Type	Manual	Automatic
Hose Nominal Bore	19mm	25mm
Hose Maximum Length	30m	
Nozzle Type	Lever operated jet only or rotary operated jet/spray	
Maximum Working Pressure	12 Bar	
Minimum Flow Rate	6mm > 41 / 8mm > 68 l/min	
Effective Throw Range	Jet > 10m / Spray > 3m	
Spray Discharge	Adjustable Conical > 45°	



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0185D(A)	Manual	19mm x 30m	570	580	300	700 x 700 x 330	LPCB
GC-0185D(B)	Automatic	25mm x 30m	570	580	300	700 x 700 x 330	LPCB
GC-0186C	Automatic with Manometer	25mm x 30m	570	580	300	700 x 700 x 330	LPCB



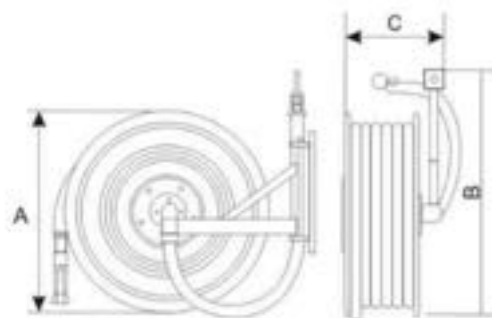
Technical Specifications

Model	GC-0182B
Brand	SIBCA
Approval	LPCB Approved
Design Standard	EN 671-1
Type	Automatic
Hose Nominal Bore	25mm
Hose Maximum Length	30m
Nozzle Type	Lever operated jet only or rotary operated jet/spray
Maximum Working Pressure	12 Bar
Minimum Flow Rate	6mm > 41 l/min
Effective Throw Range	Jet > 10m / Spray > 6m
Spray Discharge	90° ± 5°



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0182B	Automatic & Swinging	25mm x 30m	600	610-680	230	700 x 700 x 260	LPCB



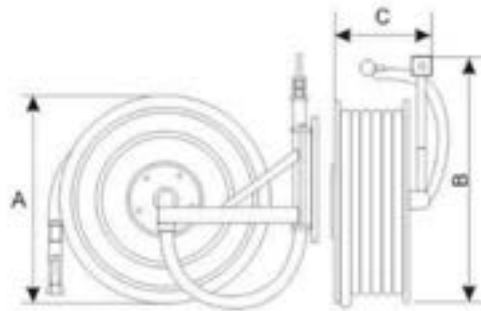
Technical Specifications

Model	GC-0181B
Brand	SIBCA
Approval	LPCB Approved
Design Standard	EN 671-1
Type	Manual
Hose Nominal Bore	25mm
Hose Maximum Length	30m
Nozzle Type	Lever operated jet only or rotary operated jet/spray
Maximum Working Pressure	12 Bar
Minimum Flow Rate	6mm > 41 / 8mm > 68 l/min
Effective Throw Range	Jet > 10m / Spray > 6m
Spray Discharge	90° ± 5°



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0181B	Manual & Swinging	25mm x 30m	600	570-580	210	760 x 720 x 230	LPCB



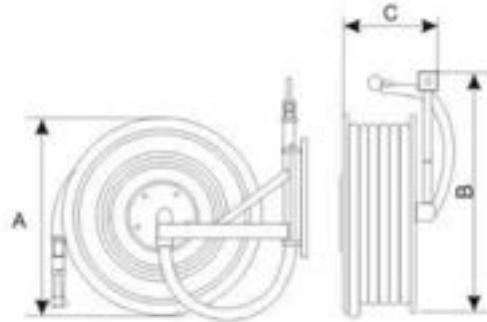
Technical Specifications

Model	GC-0181A
Brand	SIBCA
Approval	LPCB Approved
Design Standard	EN 671-1
Type	Manual
Hose Nominal Bore	19mm
Hose Maximum Length	30m
Nozzle Type	Lever operated jet only or rotary operated jet/spray
Maximum Working Pressure	12 Bar
Minimum Flow Rate	6mm > 41 l/min
Effective Throw Range	Jet > 10m / Spray > 6m
Spray Discharge	90° ± 5°



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0181A	Manual & Swinging	19mm x 30m	555	580-610	210	700 x 700 x 230	LPCB



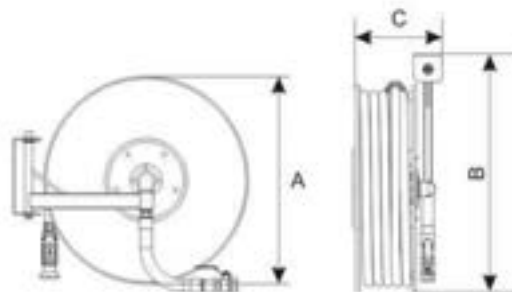
Technical Specifications

Model	GC-0182A
Brand	SIBCA
Approval	LPCB Approved
Design Standard	EN 671-1
Type	Automatic
Hose Nominal Bore	19mm
Hose Maximum Length	30m
Nozzle Type	Lever operated jet only or rotary operated jet/spray
Maximum Working Pressure	12 Bar
Minimum Flow Rate	6mm > 41 l/min
Effective Throw Range	Jet > 10m / Spray > 6m
Spray Discharge	90° ± 5°



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0181A	Automatic & Swinging	19mm x 30m	555	610-640	230	700 x 700 x 270	LPCB



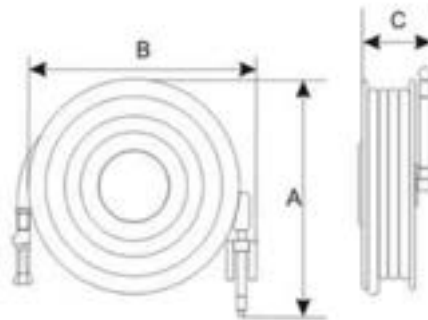
Technical Specifications

Model	GC-0185A
Brand	SIBCA
Approval	LPCB Approved
Design Standard	EN 671-1
Type	Manual
Hose Nominal Bore	19mm
Hose Maximum Length	30m
Nozzle Type	Lever operated jet only or rotary operated jet/spray
Maximum Working Pressure	12 Bar
Minimum Flow Rate	6mm > 41 l/min
Effective Throw Range	Jet > 10m / Spray > 6m
Spray Discharge	90° ± 5°



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0185A	Manual & Swinging	19mm x 30m	580	620	230	700 x 700 x 280	LPCB



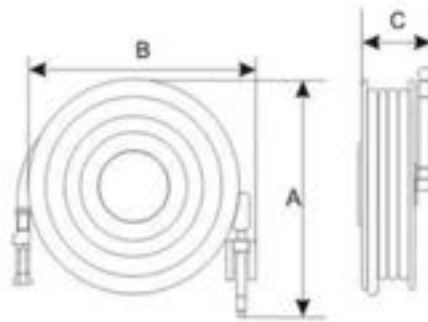
Technical Specifications

Model	GC-0186A
Brand	SIBCA
Approval	LPCB Approved
Design Standard	EN 671-1
Type	Automatic
Hose Nominal Bore	19mm
Hose Maximum Length	30m
Nozzle Type	Lever operated jet only or rotary operated jet/spray
Maximum Working Pressure	12 Bar
Minimum Flow Rate	6mm > 41 l/min
Effective Throw Range	Jet > 10m / Spray > 6m
Spray Discharge	90° ± 5°



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0186A	Automatic & Swinging Pipe	19mm x 30m	580	620	260	700 x 700 x 280	LPCB



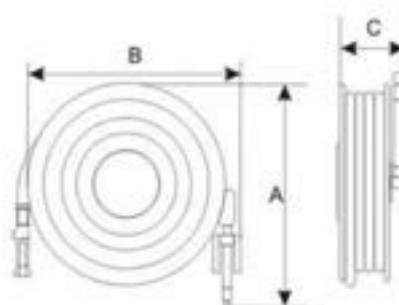
Technical Specifications

Model	GC-0185B
Brand	SIBCA
Approval	LPCB Approved
Design Standard	EN 671-1
Type	Automatic
Hose Nominal Bore	25mm
Hose Maximum Length	30m
Nozzle Type	Lever operated jet only or rotary operated jet/spray
Maximum Working Pressure	12 Bar
Minimum Flow Rate	6mm > 41 l/min
Effective Throw Range	Jet > 10m / Spray > 6m
Spray Discharge	90° ± 5°



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0185B	Automatic & Swinging Pipe	25mm x 30m	600	640	250	760 x 750 x 280	LPCB



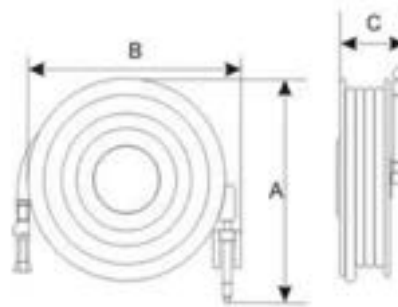
Technical Specifications

Model	GC-0186B
Brand	SIBCA
Approval	LPCB Approved
Design Standard	EN 671-1
Type	Automatic
Hose Nominal Bore	25mm
Hose Maximum Length	30m
Nozzle Type	Lever operated jet only or rotary operated jet/spray
Maximum Working Pressure	12 Bar
Minimum Flow Rate	6mm > 41 l/min
Effective Throw Range	Jet > 10m / Spray > 6m
Spray Discharge	90° ± 5°



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0186B	Automatic & Swinging Pipe	25mm x 30m	600	640	260	760 x 750 x 280	LPCB



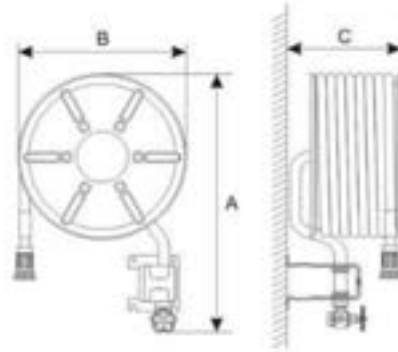
Technical Specifications

Model	GC-0183A	GC-0183B
Brand	SIBCA	
Approval	LPCB Approved	
Design Standard	EN 671-1	
Type	Manual	
Hose Nominal Bore	33mm	25mm
Hose Maximum Length	30m	
Nozzle Type	Lever operated jet only or rotary operated jet/spray	
Maximum Working Pressure	12 Bar	
Minimum Flow Rate	12mm > 156 l/min	7mm > 53 / 8mm > 68 l/min
Effective Throw Range	Jet > 10m / Spray > 6m	
Spray Discharge	90° ± 5°	Adjustable Conical > 45°



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0183A	Manual & Swinging	33mm x 30m	650	565	420	900 x 900 x 450	LPCB
GC-0183B	Manual & Swinging	25mm x 30m	777	565	290	900 x 900 x 310	LPCB



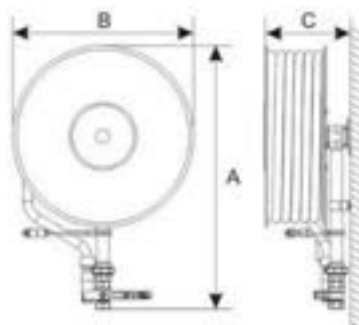
Technical Specifications

Model	GC-0184A(A)	GC-0184A(B)
Brand	SIBCA	
Approval	LPCB Approved	
Design Standard	EN 671-1	
Type	Manual	Manual
Hose Nominal Bore	19mm	25mm
Hose Maximum Length	30m	
Nozzle Type	Lever operated jet only or rotary operated jet/spray	
Maximum Working Pressure	12 Bar	
Minimum Flow Rate	6mm > 41 l/min	
Effective Throw Range	Jet > 10m / Spray > 3m	
Spray Discharge	90° ± 5°	



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0184A(A)	Manual & Fixed	19mm x 30m	720	555	230	650 x 750 x 240	LPCB
GC-0184A(B)	Manual & Fixed	25mm x 30m	720	555	260	650 x 750 x 280	LPCB



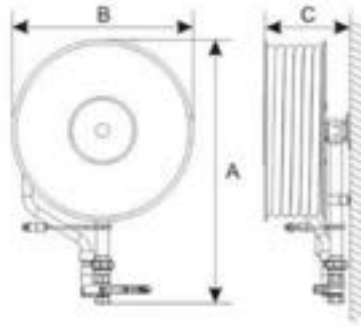
Technical Specifications

Model	GC-0184B(A)	GC-0184B(B)
Brand	SIBCA	
Approval	LPCB Approved	
Design Standard	EN 671-1	
Type	Manual	Manual
Hose Nominal Bore	19mm	25mm
Hose Maximum Length	30m	
Nozzle Type	Lever operated jet only or rotary operated jet/spray	
Maximum Working Pressure	12 Bar	
Minimum Flow Rate	6mm > 41 / 8mm > 68 l/min	
Effective Throw Range	Jet > 10m / Spray > 6m	
Spray Discharge	90° ± 5°	



General Technical Information

Model	Type	Hose Diameter and Length	Height (A in mm)	Width (B in mm)	Depth (C in mm)	Min. Cabinet Size (W x H x D) in mm	Certificate
GC-0184B(A)	Manual & Fixed	19mm x 30m	720	555	230	650 x 750 x 240	LPCB
GC-0184B(B)	Manual & Fixed	25mm x 30m	720	555	260	650 x 750 x 280	LPCB



Hose Reel Cabinet (Single Compartment)

Hose Reel Cabinet (Double Compartment)

Technical Specifications



- Mild steel or stainless steel
- CNC machine processed.
- RAL300 polyester epoxy powder coating
- ¾" or 1" hose reel EN 671-1 approved
- Hose reel is mounted on arm which swings 180°
- Stainless steel or plastic door lock
- Wall mounted or recessed.

ACCESSORIES

Gate Valve with Key

Model	GC-0191		
Size	DN25	DN25	DN40
H (mm)	135	135	165
W (mm)	65	65	65
Inlet	1" BSPT	1" BSP	1.5" BSP
Outlet	1" BSPT	1" BSP	1.5" BSP



Pressure Reducing Valve

Model	GC-0201		
Size	DN25	DN40	DN50
H (mm)	152	171	171
W (mm)	86	91	91
Inlet	1" BSPT	1.5" BSP	2" BSP
Outlet	1" BSPT	1.5" BSP	2" BSP



Angle Valve

Model	GD-0269
Size	1" – 1 1/2"
Material	Brass
Working Pressure	18 Bar



Angle Valve

Model	GD-0268
Size	1" – 1 1/2"
Material	Brass
Working Pressure	18 Bar



Mounting Brackets



Technical Specifications

Model	GB-0101
Brand	SIBCA
Approval	UL Listed
Jacket	100% Virgin Polyester Jacket, Single Jacket, Twill or Plain Weave (Single-jacketed)
Lining	Ethylene Propylene Diene Monomer (EPDM) Rubber Tube
Color	Red, White
Size	1 ½", 2 ½"
Service Test Pressure	250 PSI
Minimum Burst Pressure	750 PSI
Standard Length	30 m



Model	GB-0103
Brand	SIBCA
Approval	UL Listed
Jacket	100% Virgin Polyester Jacket, Single Jacket, Twill or Plain Weave (Single-jacketed)
Lining	Thermoplastic Polyurethane (TPU) Tube
Color	Red, White
Size	2 ½"
Service Test Pressure	250 PSI
Minimum Burst Pressure	750 PSI
Standard Length	30 m
Rating	Ozone Resistant



Model	GB-0102
Brand	SIBCA
Approval	UL Listed
Reinforcement	Polyester Filament
Cover and Tube	Nitrile / Thermoplastic Rubber (TPR) Blend Tube, Thin Rib on Cover (Single-jacketed Covered)
Color	Red
Size	1 ½", 2 ½"
Service Test Pressure	200 PSI
Minimum Burst Pressure	600 PSI
Standard Length	30 m
Rating	Ozone Resistant



Model	GB-0111
Brand	SIBCA
Approval	UL Listed
Jacket	Polyester Inner and Outer Jacket (Multiple-jacketed)
Lining	Ethylene Propylene Diene Monomer (EPDM) Rubber Tube
Color	Red, White
Size	2 ½"
Service Test Pressure	400 PSI
Minimum Burst Pressure	1200 PSI
Standard Length	30 m



Technical Specifications

Model	GD-0261	GD-0263	GD-0265	GD-0267
Brand	SIBCA			
Approval	UL Listed (EX 29181)			
Design Standard	UL 1468			
Material	Forged Brass (EN 12165)			
Inlet	National Pipe Thread (NPT) ANSI / ASME B1.20.1			
Outlet	National Pipe Thread (NPT) ANSI / ASME B1.20.1 or National Hose Thread (NH)			
Handwheel	Aluminum casting handwheel, red powder coated			
Minimum Working Pressure	175 PSI			
Body Test and Seat Test	350 PSI			
Pressure Retention Test	350 PSI			
Inlet Size	1 ½ "NPT	1 ½ "NPT	2 ½ "NPT	2 ½ "NPT
Outlet Size	1 ½ "NPT Female	1 ½ "NH Male	2 ½ "NPT Female	2 ½ "NH Male
Height (mm)	177	177	226	226
Width (mm)	105	105	145	145



Model	GD-0262	GD-0264	GD-0266	GD-0268
Brand	SIBCA			
Approval	UL Listed (EX 29181)			
Design Standard	UL 1468			
Material	Bronze Casting (ASTM 584)			
Inlet	National Pipe Thread (NPT) ANSI / ASME B1.20.1			
Outlet	National Pipe Thread (NPT) ANSI / ASME B1.20.1 or National Hose Thread (NH)			
Handwheel	Aluminum casting handwheel, red powder coated			
Minimum Working Pressure	175 PSI			
Body Test and Seat Test	350 PSI			
Pressure Retention Test	350 PSI			
Inlet Size	1 ½ "NPT	1 ½ "NPT	2 ½ "NPT	2 ½ "NPT
Outlet Size	1 ½ "NPT Female	1 ½ "NH Male	2 ½ "NPT Female	2 ½ "NH Male
Height (mm)	177	177	226	226
Width (mm)	105	105	145	145

Use and Installation

Pressure restricting devices are intended for use in wet-pipe systems and intended to be installed in the supply piping of standpipe systems or at the hose outlets as a means of reducing existing high pressure in the piping system to a level that the fire hose nozzle can be managed by an operator.

Pressure-restricting devices are designed to reduce outlet pressures under flowing (residual) conditions only and are intended to be used in situations where the inlet pressure does not exceed 175 psi. Pressure-restricting valves are intended for use on standpipe system outlets only.

Pressure-reducing devices are designed to reduce outlet pressures under both flowing (residual) and nonflowing (static) conditions. The type of device is indicated in the individual certifications. Pressure-reducing valves are intended for use in standpipe systems or in the supply piping for sprinkler systems.

These devices are intended to be installed in accordance with NFPA 13, "Installation of Sprinkler Systems," and NFPA 14, "Installation of Standpipe and Hose Systems," and maintained in accordance with NFPA 25, "Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," and the manufacturer's installation instructions. The manufacturer's instructions include a description of the performance characteristics of devices under flowing (residual) and nonflowing (static) conditions.

Pressure-reducing or -restricting devices having a 1-1/2 NPS outlet are intended to be used in Class II standpipe systems, and devices having a 2-1/2 NPS outlet are intended for use in Class I or III standpipe systems.

Authorities Having Jurisdiction should be consulted before installation.



GD-0220
FLANGE



GD-0230
THREAD

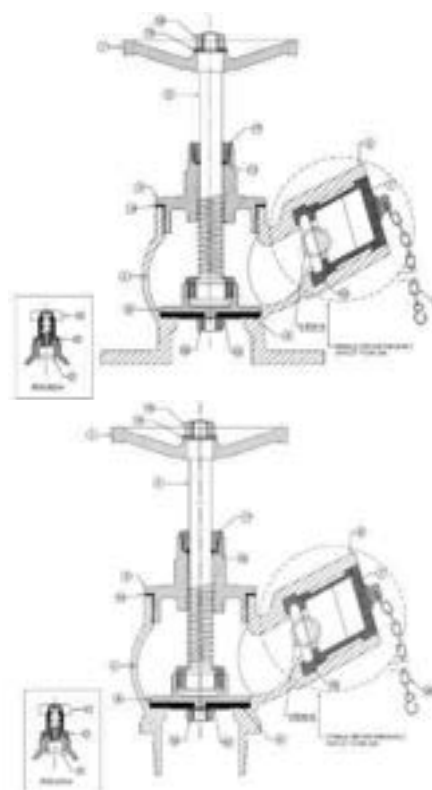
Technical Specifications

Model	GD-0220	GD-0230
Brand	SIBCA	
Approval	BSI – Kitemark	
Standard	BS 5041: Part 1	
Size	DN 65 (2.5")	
Inlet	Flange as per BS 4504 PN16	Thread as per BS 21
Maximum Working Pressure	15 Bar	
Test Pressure (Valve Seat)	16.5 Bar	
Test Pressure (Body Test)	22.5 Bar	
Minimum Water Flow Rate & Outlet Pressure	8.5 L/S Min. @ 4.0 Bar	
Minimum Inlet Pressure	4.7 Bar	

Material Specifications

No.	Part Name	Material	Specification
1	Handwheel	Grey Cast Iron	BS 1452 150
2	Stem	Copper Alloy	BS 2874 CZ 121
3	Bonnet	Copper Alloy	BS 2872 CZ 122
4	Body	Copper Alloy	BS 1400 LG 2
5	Female Instantaneous Outlet	Copper Alloy	BS 1400 LG 2
6	Release Plunger	Copper Alloy	BS 2872 CZ 122
7	Blank Cap	Copper Alloy	BS 2872 CZ 122
8	Renewable Disk	Copper Alloy	BS 2872 CZ 122
9	Renewable Disk Facing	Natural Rubber	BS 1154 Min 70 IRHD
10	Disk Washer	Stainless Steel	-
11	Upper Part of Lugs	Copper Alloy	BS 2872 CZ 122
12	Lower Part of Lugs	Copper Alloy	BS 2872 CZ 122
13	Gland Rubber Seal	Natural Rubber	BS 1154 Z70
14	Bonnet Rubber Seal	Natural Rubber	BS 1154 Z70
15	Coupling Washer	Natural Rubber	BS 1154 Z40
16	Nut	Stainless Steel	-
17	Gland	Copper Alloy	BS 2874 CZ 121
18	Nut	Stainless Steel	-
19	Washer	Stainless Steel	-
20	"S" Hook Chain	MS "S" Hook and Chain	-

General Assembly Drawing



DRY CHEMICAL POWDER

Technical Specifications

Model	GA Series
Brand	SIBCA
Approval	BSI- Kitemark
Design Standard	EN 3
Working Pressure	12 Bar
Cylinder Structure	Deep-Drawn
Temperature Range	-30°C to 60°C
Agent	40% ABC Powder (EN 615)
Fire Class	A, B, and C
Kitemark Certificate No.	KM



- ✓ Manufacturing as per standard BS EN3
- ✓ Highly effective on class A, B, C & Electrical fires
- ✓ Cylinders are 100% factory tested to 30 bar.
- ✓ Squeeze grip valve for comfortable operation
- ✓ Nickel plated Brass Valve with reliability and long life.
- ✓ Rugged PVC pick up tube enables smooth flow of the extinguishing agent.
- ✓ Precision built mechanical pressure gauge.
- ✓ Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.

General Technical Information

Model	GA-0011	GA-0013	GA-0015	GA-0016	GA-0017
Capacity	1Kg	2Kg	4Kg	6Kg	9Kg
Fire Rating	8A 34B C	13A 89B C	27A 183B C	43A 233B C	55A 233B C
Discharge Time	8s	10s	17s	17s	22s

CARBON DIOXIDE

Technical Specifications

Model	GA-0021	GA-0022
Brand	SIBCA	
Approval	BSI- Kitemark	
Design Standard	EN 3	
Working Pressure	170 Bar	
Test Pressure	250 Bar	
Cylinder Structure	Alloy	
Temperature Range	-20°C to 60°C	
Agent	Carbon Dioxide (CO ₂)	
Fire Class	B	
Kitemark Certificate No.	KM	
Capacity	2Kg	5Kg
Fire Rating	34B	89B

- ✓ Manufacturing as per standard BS EN3
- ✓ Exceptionally effective on class B, C, and electrical fires
- ✓ Portable and compact design, Special hangers for wall mounting
- ✓ The cylinder is deep drawn for higher tensile strength.
- ✓ Cylinder made of special steel to withstand high pressures, tested at 250 bar.
- ✓ High-grade brass head assembly with safety valve
- ✓ Unbreakable rising pipe, high gloss polyester powder painted UV stabilized.
- ✓ Discharge nozzle designed to produce a jet of extinguishing gas for fast fire suppression.



FOAM

Technical Specifications

Model	GA-0031	GA-0032
Brand	SIBCA	
Approval	BSI- Kitemark	
Design Standard	EN 3	
Working Pressure	12 Bar	
Cylinder Structure	Deep-drawn	
Temperature Range	+5°C to 60°C	
Agent	97% Water 3% AFFF	
Fire Class	A and B	
Kitemark Certificate No.	KM	
Capacity	6L	9L
Fire Rating	27A /183B	34A /233B
Discharge Time	22 s	30 s



- ✓ Manufacturing as per standard BS EN3
- ✓ Highly effective on class A and B fires
- ✓ Cylinders are 100% factory tested to 30 bar.
- ✓ Squeeze grip valve for comfortable operation
- ✓ Nickel plated Brass Valve with reliability and long life.
- ✓ Rugged PVC pick up tube enables smooth flow of the extinguishing agent.
- ✓ Precision built mechanical pressure gauge.
- ✓ Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.

WATER

Technical Specifications

Model	GA-0041	GA-0042
Brand	SIBCA	
Approval	BSI- Kitemark	
Design Standard	EN 3	
Working Pressure	12 Bar	
Cylinder Structure	Deep-drawn	
Temperature Range	+5°C to 60°C	
Agent	Water	
Fire Class	A	
Kitemark Certificate No.	KM	
Capacity	6L	9L
Fire Rating	13A	21A
Discharge Time	65s	65s



- ✓ Portable and compact design
- ✓ Simple operation and maintenance
- ✓ Ready for instant use
- ✓ Exceptionally effective on class A fires
- ✓ Cylinder made of special steel to withstand high pressures.
- ✓ Cylinders are 100% factory tested to 30 bar.
- ✓ Nickel plated brass valve with reliability and long life.
- ✓ Precision built mechanical pressure gauges.
- ✓ Rugged PVC pick up tube enables smooth flow of the agent.
- ✓ Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.
- ✓ Internally coated with Polyolefin & thermosetting polymer powder using whirl sintering process

WET CHEMICAL

Technical Specifications

Model	GA-0051	GA-0052	GA-0053
Brand	SIBCA		
Approval	BSI- Kitemark		
Design Standard	EN 3		
Working Pressure	12 Bar		
Cylinder Structure	Deep-drawn		
Temperature Range	+5°C to 60°C		
Agent	Wet Chemical (Potassium Salt)		
Fire Class	A, B, and F		
Kitemark Certificate No.	KM		
Capacity	2L	3L	6L
Fire Rating	5A 70B 25F	13A 89B 40F	34A 233B 75F
Discharge Time	10s	17s	30s



- ✓ Portable and compact design
- ✓ Simple operation and maintenance
- ✓ Ready for instant use
- ✓ Exceptionally effective on class A, B, and F fires
- ✓ Cylinder made of special steel to withstand high pressures.
- ✓ Cylinders are 100% factory tested to 30 bar.
- ✓ Nickel plated brass valve with reliability and long life.
- ✓ Precision built mechanical pressure gauges.
- ✓ Rugged PVC pick up tube enables smooth flow of the agent.
- ✓ Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.
- ✓ Internally coated with Polyolefin & thermosetting polymer powder using whirl sintering process

Technical Specifications

Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 262 / AWWA C515 / BS 5163
Working Pressure	200 / 250 / 300 / 365 PSI
Flange Ends	ANSI B16.1 Class125/150/250, EN1092-2 PN10/PN16/PN25

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0368-FF	14, 16, 18"	250 PSI	Flange x Flange
GN-0368-FF	20, 24"	200 PSI	Flange x Flange
GN-0369-FF	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Flange x Flange
GN-0369-FG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Flange x Groove
GN-0369-GG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Groove x Groove
GN-0371-FF	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Flange x Flange
GN-0371-FG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Flange x Groove
GN-0371-GG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Groove x Groove
GN-0372-FF	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Flange x Flange
GN-0372-FG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Flange x Groove
GN-0372-GG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Groove x Groove
GN-0373-FJ	3, 4, 6, 8, 10, 12"	200 PSI	Flange x Mechanical Joint
GN-0373-JJ	3, 4, 6, 8, 10, 12"	200 PSI	Mechanical Joint x Mechanical Joint
GN-0374-FJ	3, 4, 6, 8, 10, 12"	250 PSI	Flange x Mechanical Joint
GN-0374-JJ	3, 4, 6, 8, 10, 12"	250 PSI	Mechanical Joint x Mechanical Joint
GN-0375-FJ	3, 4, 6, 8, 10, 12"	300 PSI	Flange x Mechanical Joint
GN-0375-JJ	3, 4, 6, 8, 10, 12"	300 PSI	Mechanical Joint x Mechanical Joint
GN-0376-FF	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Flange x Flange
GN-0376-FG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Flange x Groove
GN-0376-FJ	3, 4, 6, 8, 10, 12"	365 PSI	Flange x Mechanical Joint
GN-0376-GG	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Groove x Groove
GN-0376-JJ	3, 4, 6, 8, 10, 12"	365 PSI	Mechanical Joint x Mechanical Joint

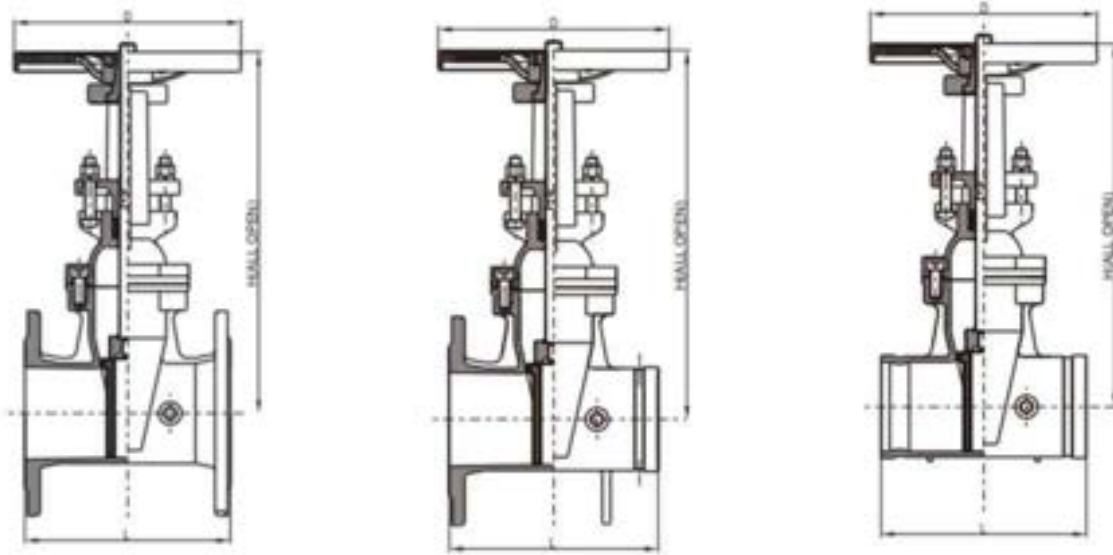


Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron EPDM Coated	A536 65-45-12
Wedge Nut	Stainless Steel	AISI 304
Stem	Stainless Steel	AISI 304 / 420
Bonnet	Ductile Iron	A536 65-45-12
Gasket	EPDM	Commercial
Packing	Graphite	Non-asbestos
Stem Nut	Bronze	ASTM B62
Hand wheel	Ductile Iron	A536 65-45-12

Gate valves are used to shut off the flow of liquids rather than for flow regulation, which is frequently done with a globe valve. When fully open, the typical gate valve has no obstruction in the flow path, resulting in very low flow resistance. The size of the open flow path generally varies in a nonlinear manner as the gate is moved. This means that the flow rate does not change evenly with stem travel. Depending on the construction, a partially open gate can vibrate from the fluid flow.

Dimensions



SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 ½"	3	4	5	6	8	10	12
L	mm	178	191	203	229	254	267	292	330	356
	inch	7	7.5	8	9	10	10.5	11.5	13	14
H	mm	411	411	462	514	629	709	922	1116	1300
	inch	16.18	16.18	18.19	20.24	24.76	27.91	36.30	43.94	51.18
D	mm	183	183	253	253	306	306	355	445	445
	inch	7.2	7.2	9.96	9.96	12.05	12.05	13.98	17.52	17.52

Technical Specifications

Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 262 / AWWA C515 / BS 5163
Working Pressure	200 / 250 / 300 / 365 PSI
Flange Ends	ANSI B16.1 Class125/150 / EN1092-2 PN16

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0361-FF	14, 16, 18"	250 PSI	Flange x Flange
GN-0361-FF	20, 24"	200 PSI	Flange x Flange
GN-0362-FF	2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Flange x Flange
GN-0362-GG	2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Groove x Groove
GN-0362-FG	2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Flange x Groove
GN-0363-FF	2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Flange x Flange
GN-0363-GG	2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Groove x Groove
GN-0363-FG	2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Flange x Groove
GN-0364-FF	2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Flange x Flange
GN-0364-GG	2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Groove x Groove
GN-0364-FG	2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Flange x Groove
GN-0365-FJ	3, 4, 6, 8, 10, 12"	200 PSI	Flange x Mechanical Joint
GN-0365-JJ	3, 4, 6, 8, 10, 12"	200 PSI	Mechanical Joint x Mechanical Joint
GN-0366-FJ	3, 4, 6, 8, 10, 12"	250 PSI	Flange x Mechanical Joint
GN-0366-JJ	3, 4, 6, 8, 10, 12"	250 PSI	Mechanical Joint x Mechanical Joint
GN-0367-FJ	3, 4, 6, 8, 10, 12"	300 PSI	Flange x Mechanical Joint
GN-0367-JJ	3, 4, 6, 8, 10, 12"	300 PSI	Mechanical Joint x Mechanical Joint
GN-0377-PFF	2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Flange x Flange
GN-0377-PFG	2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Flange x Groove
GN-0377-PFJ	3, 4, 6, 8, 10, 12"	365 PSI	Flange x Mechanical Joint
GN-0377-PGG	2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Groove x Groove
GN-0377-PJJ	3, 4, 6, 8, 10, 12"	365 PSI	Mechanical Joint x Mechanical Joint

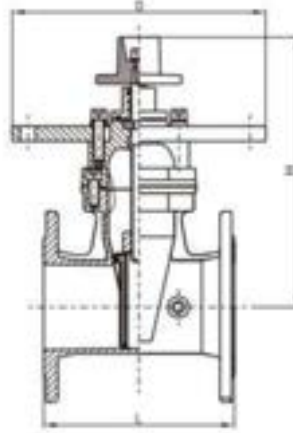


Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge Disc	Ductile Iron EPDM Coated	A536 65-45-12
Disc Nut	Bronze	ASTM B62
Stem	Stainless Steel	AISI 304 / 420
Gasket	EPDM	Commercial
Bonnet	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	ASTM B62
Gland	Ductile Iron	A536 65-45-12
Wrench Nut	Ductile Iron	A536 65-45-12
Post Plate	Ductile Iron	A536 65-45-12

NRS gate valve is an alternate for supervised butterfly valves and OS&Y rising stem valves to be used as the cut off and zone control valves in the fire security systems. To prevent the risk of freeze, these valves are typically buried underground. To make them visually traceable in the systems, they are fitted with post indicators instead of handwheels. Valves could be on/off by using post indicators and the valve positions could be identified.

Dimensions



SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 ½"	3	4	5	6	8	10	12
L	mm	178	191	203	229	254	267	292	330	356
	inch	7	7.5	8	9	10	10.5	11.5	13	14
H	mm	279	279	305	324	394	428	537	640	723
	inch	10.98	10.98	12.01	12.76	15.51	16.85	21.14	25.2	28.46
D	mm	305	305	305	305	305	305	305	305	305
	inch	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01	12.01

Technical Specifications

Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 1091
Working Pressure	200 / 250 / 300 PSI
Connection Ends	AWWA C606 / GB/T 8260, VDS2100/AS2638.2

General Technical Information

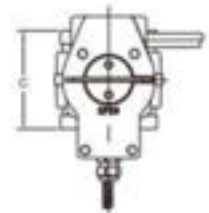
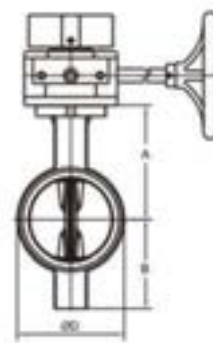
Model	Size	Pressure Rating	End Configuration
GN-0383	2, 2/5"	175 PSI	Groove
GN-0385	2-1/2, 76.1 mm, 3, 4, 139.7 mm, 5, 165.1 mm, 6, 8, 10, 12"	200 / 250 / 300 PSI	Groove

Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Disc	Ductile Iron EPDM coated	ASTM B62 C83600
Upper & Lower Stems	Stainless Steel	AISI 410
Worn Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Handwheel	Ductile Iron	A536 65-45-12B
O-rings	EPDM Grade E	

Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2"	3	4	5	6	8	10	12
A	mm	95	98	105	135	148	165	204	245	277.5
	inch	3.74	3.87	4.13	5.31	5.83	6.5	8.03	9.65	10.93
B	mm	78	78	85	105	128	140	170	205	258
	inch	3.07	3.07	3.35	4.13	5.04	5.51	6.69	8.07	10.16
C	mm	84.5	98	98	116	149	147.6	134	160	165
	inch	3.33	3.86	3.86	4.57	5.87	5.81	5.28	6.3	6.5
ØD	mm	72	88	98	127	156	185	235	292	323.85
	inch	2.83	3.46	3.86	5	6.14	7.28	9.25	11.49	12.75



Butterfly valve is from a family of valves called quarter-turn valves. In operation, the valve is fully open or closed when the disc is rotated a quarter turn. The "butterfly" is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc is rotated a quarter turn so that it allows an almost unrestricted passage of the fluid. The valve may also be opened incrementally to throttle flow.

Technical Specifications

Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 1091
Working Pressure	200 / 250 / 300 PSI
Flange Ends	ANSI B16.1 Class125/150, EN1092-2 PN16

General Technical Information

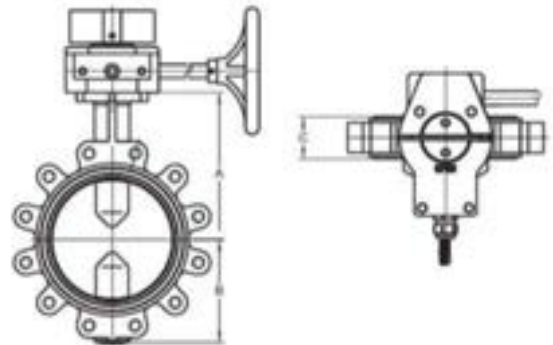
Model	Size	Pressure Rating	End Configuration
GN-0386	2-1/2, 3, 4, 5, 6, 8, 10, 12"	200 / 250 / 300 PSI	Lug

Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Disc	Ductile Iron EPDM coated	ASTM B62 C83600
Upper & Lower Stems	Stainless Steel	AISI 410
Worn Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Handwheel	Ductile Iron	A536 65-45-12B
O-rings	EPDM Grade E	

Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2"	3	4	5	6	8	10	12
A	mm	141	153	158	176	191	203	244	273	311
	inch	5.55	6.02	6.22	6.93	7.52	7.99	9.61	10.75	12.24
B	mm	78	78	85	105	128	140	170	205	258
	inch	3.07	3.07	3.35	4.13	5.04	5.51	6.69	8.07	10.16
C	mm	43	46	46	52	56	56	62	68	78
	inch	1.69	1.81	1.81	2.05	2.20	2.20	2.44	2.68	3.07



Butterfly valve is from a family of valves called quarter-turn valves. In operation, the valve is fully open or closed when the disc is rotated a quarter turn. The "butterfly" is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc is rotated a quarter turn so that it allows an almost unrestricted passage of the fluid. The valve may also be opened incrementally to throttle flow.

Technical Specifications

Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 1091
Working Pressure	200 / 250 / 300 PSI
Flange Ends	ANSI B16.1 Class125/150, EN1092-2 PN10/PN16/PN25

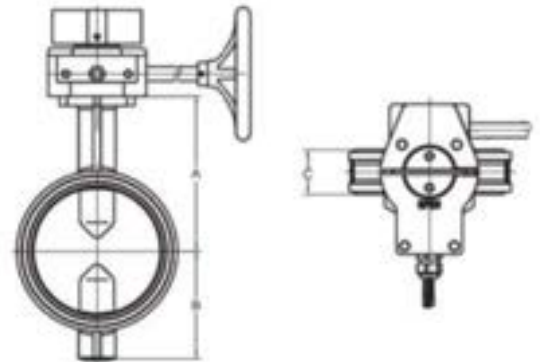
General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0387	2-1/2, 3, 4, 5, 6, 8, 10, 12"	200 / 250 / 300 PSI	Wafer



Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Disc	Ductile Iron EPDM coated	ASTM B62 C83600
Upper & Lower Stems	Stainless Steel	AISI 410
Worn Gear Shaft	Stainless Steel	AISI 410
Housing	Cast Iron	A126 B
Handwheel	Ductile Iron	A536 65-45-12B
O-rings	EPDM Grade E	



Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2"	3	4	5	6	8	10	12
A	mm	141	153	158	176	191	203	244	273	311
	inch	5.55	6.02	6.22	6.93	7.52	7.99	9.61	10.75	12.24
B	mm	78	78	85	105	128	140	170	205	258
	inch	3.07	3.07	3.35	4.13	5.04	5.51	6.69	8.07	10.16
C	mm	43	46	46	52	56	56	62	68	78
	inch	1.69	1.81	1.81	2.05	2.20	2.20	2.44	2.68	3.07

Butterfly valve is from a family of valves called quarter-turn valves. In operation, the valve is fully open or closed when the disc is rotated a quarter turn. The "butterfly" is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc is rotated a quarter turn so that it allows an almost unrestricted passage of the fluid. The valve may also be opened incrementally to throttle flow.

Technical Specifications

Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 312
Working Pressure	200 / 250 / 300 / 365 PSI
Connection Ends	AWWA C 606, VDS2100/AS2638.2
Valve Seat Facing	Elastomeric
Installation Position	Horizontal, Vertical

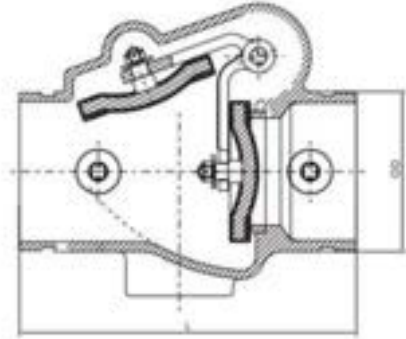
General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0390	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	200 PSI	Groove x Groove
GN-0391	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	250 PSI	Groove x Groove
GN-0392	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Groove x Groove
GN-0393	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	365 PSI	Groove x Groove



Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Seat	Bronze	ASTM B62 C83600
Clapper		Q235+SS304+EPDM
Clapper Arm	Stainless Steel	ASTM A351 CF8
Washer	Stainless Steel	AISI 304
Hexagonal Slot Thin Nut	Stainless Steel	AISI 304
Split Pin	Stainless Steel	AISI 304



Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 ½"	3	4	5	6	8	10	12
L	mm	169	203	213	245	267	292	356	432	495
OD	mm	60.3	73	88.9	114.3	139.7	165.1	219.1	273	323.85

Swing check valve is mounted with a disc that swings on a hinge or shaft. The disc swings off the seat to allow forward flow and when the flow is stopped, the disc swings back onto the seat to block reverse flow.

Technical Specifications

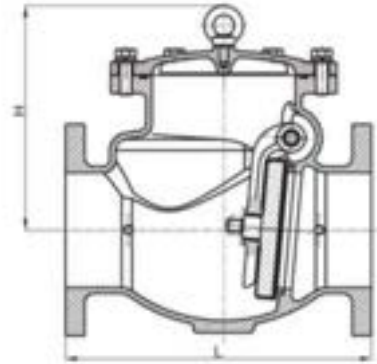
Brand	SIBCA
Approval	UL Listed / FM Approved
Design Standard	UL 312
Working Pressure	300 PSI
Connection Ends	ANSI B16.1 Class125/150/250, EN1092-2 PN10/PN16/PN25
Valve Seat Facing	Elastomeric
Installation Position	Horizontal, Vertical

General Technical Information

Model	Size	Pressure Rating	End Configuration
GN-0399	2, 2.5, 3, 4, 5, 6, 8, 10, 12"	300 PSI	Flange x Flange

Material Specifications

Part Name	Material	Specification
Body	Ductile Iron	A536 65-45-12
Cover	Ductile Iron	A536 65-45-12
Clapper	Carbon Steel	A36+SS304+EPDM
Clapper Arm	Ductile Iron	A536 65-45-12
Hinge Pin	Stainless Steel	AISI 304
Seat	Bronze	ASTM C84400



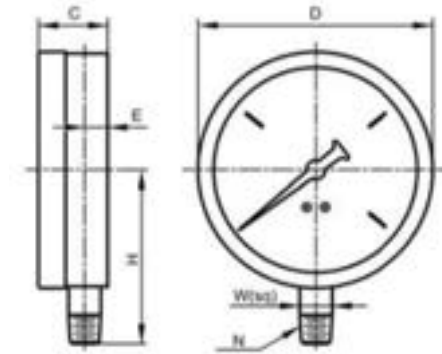
Dimensions

SIZE	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 ½"	3	4	5	6	8	10	12
L	mm	203	254	279	330	356	406	495	559	660
	inch	8	10	11	13	14	16	19.5	22	26
H	mm	117	128	132.5	222.5	290	297	365	417.5	453
	inch	4.61	5.04	5.22	8.76	11.42	11.69	14.37	16.44	17.83

Swing check valve is mounted with a disc that swings on a hinge or shaft. The disc swings off the seat to allow forward flow and when the flow is stopped, the disc swings back onto the seat to block reverse flow.

Technical Specifications

Model	PG-01
Brand	FLOWCOM
Approval	UL Listed
Design Standard	UL 393
Design	EN 387-1 and ASME B40.100
Range	300 PSI (20 Bar) water or air
Ambient Temperature	-40°C to +60°C
Maximum Temperature	+60°C
Size	4" (100mm)
Accuracy	ASME B40.100 Grade B (+- 3/2/3% of span)
Case	Black epoxy coated
Dial	White aluminum with stop pin; black and red lettering
Pointer	Black aluminum
Window	Tempered glass
Bourbon Tube	C-shape; bronze
Movement	Brass
Socket	Brass
Connection	NPT1/4" or BSPT/BSPP1/4" lower mount
Liquid Filling	No


Dimensions

Model	D	C	H	E	W	N
PG-01-100-L1/4N	102	30	75	10	14	NPT 1/4"
PG-01-100-L1/4B	mm	mm	mm	mm	mm	BSPT 1/4"
PG-01-100-L1/4G						BSPP 1/4"

Technical Specifications

Model	GH0311	GH0312
Brand	SIBCA	
Approval	UL Listed	
Design Standard	UL 199	
Response Type	Standard	Quick
Type	Horizontal	
Nominal K-Factor	5.6	
Maximum Working Pressure	175 PSI	
Minimum Working Pressure	7 PSI	
Factory Test Pressure	500 PSI	
Temperature Rating (°C)	57, 68, 79, 93, 141	
Inlet Connection	½" NPT	
Finish	Brass and Chrome Plated and White Plated	


Material Specifications

Model	GH0311	GH0312
Deflector	Brass UNS-28000	
Bulb	JOB G5 or Day-impex-937	JOB F3 or Day-impex-941
Load Screw	Brass UNS-28000	
Seal	Brass UNS-28000	
Frame	Brass UNS-28000	
Seal Washer	Belleville Washer coated on both sides with Teflon Tape	
Bulb Nominal Diameter	5.0 mm	3.0 mm

These automatic sprinklers that have been investigated for their ability to control fires when installed in accordance with NFPA 13, "Installation of Sprinkler Systems," and NFPA 13R, "Installation of Sprinkler Systems in Low-Rise Residential Occupancies." These sprinklers are intended to be inspected, tested, and maintained in accordance with NFPA 25, "Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems."

Automatic sprinklers are intended to operate when the temperature of the heat-responsive element exceeds its thermal-response temperature. Sprinkler response characteristics, either Standard Response (SR) or Quick Response (QR), are specified in the individual certifications.

Technical Specifications

Model	GH0321	GH0322
Brand	SIBCA	
Approval	UL Listed	
Design Standard	UL 199	
Response Type	Standard	Quick
Type	Horizontal	
Nominal K-Factor	5.6	
Maximum Working Pressure	175 PSI	
Minimum Working Pressure	7 PSI	
Factory Test Pressure	500 PSI	
Temperature Rating (°C)	57, 68, 79, 93, 141	
Inlet Connection	½" NPT	
Finish	Brass and Chrome Plated and White Plated	


Material Specifications

Model	GH0321	GH0322
Deflector	Brass UNS-28000	
Bulb	JOB G5 or Day-impex-937	JOB F3 or Day-impex-941
Load Screw	Brass UNS-28000	
Seal	Brass UNS-28000	
Frame	Brass UNS-28000	
Seal Washer	Belleville Washer coated on both sides with Teflon Tape	
Bulb Nominal Diameter	5.0 mm	3.0 mm

These automatic sprinklers that have been investigated for their ability to control fires when installed in accordance with NFPA 13, "Installation of Sprinkler Systems," and NFPA 13R, "Installation of Sprinkler Systems in Low-Rise Residential Occupancies." These sprinklers are intended to be inspected, tested, and maintained in accordance with NFPA 25, "Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems."

Automatic sprinklers are intended to operate when the temperature of the heat-responsive element exceeds its thermal-response temperature. Sprinkler response characteristics, either Standard Response (SR) or Quick Response (QR), are specified in the individual certifications.

Technical Specifications

Model	GH0341		GH0342	
Brand	SIBCA			
Approval	UL Listed			
Design Standard	UL 199			
Response Type	Standard		Quick	
Type	Concealed Pendent			
Nominal K-Factor	5.6			
Maximum Working Pressure	175 PSI			
Minimum Working Pressure	7 PSI			
Factory Test Pressure	500 PSI			
Temperature Rating (°C)	57, 68	79, 93	57, 68	79, 93
Cover (°C)	57	74	57	74
Inlet Connection	½" NPT			
Finish	Brass and Chrome Plated and White Plated			

Material Specifications

Model	GH0341	GH0342
Deflector	Brass UNS-28000	
Bulb	JOB G5 or Day-impex-937	JOB F3 or Day-impex-941
Load Screw	Brass UNS-28000	
Seal	Brass UNS-28000	
Frame	Brass UNS-28000	
Seal Washer	Belleville Washer coated on both sides with Teflon Tape	
Bulb Nominal Diameter	5.0 mm	3.0 mm



These automatic sprinklers that have been investigated for their ability to control fires when installed in accordance with NFPA 13, "Installation of Sprinkler Systems," and NFPA 13R, "Installation of Sprinkler Systems in Low-Rise Residential Occupancies." These sprinklers are intended to be inspected, tested, and maintained in accordance with NFPA 25, "Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems."

Automatic sprinklers are intended to operate when the temperature of the heat-responsive element exceeds its thermal-response temperature. Sprinkler response characteristics, either Standard Response (SR) or Quick Response (QR), are specified in the individual certifications.

Technical Specifications

Model	GH0301	GH0302
Brand	SIBCA	
Approval	UL Listed	
Design Standard	UL 199	
Response Type	Standard	Quick
Type	Horizontal	
Nominal K-Factor	5.6	
Maximum Working Pressure	175 PSI	
Minimum Working Pressure	7 PSI	
Factory Test Pressure	500 PSI	
Temperature Rating (°C)	57, 68, 79, 93, 141	
Inlet Connection	½" NPT	
Distance Below Ceiling	10 – 30 cm	
Occupancy Hazard	Light, Ordinary	
Finish	Brass and Chrome Plated and White Plated	



Material Specifications

Model	GH0301	GH0302
Deflector	Brass UNS-28000	
Bulb	JOB G5 or Day-impex-937	JOB F3 or Day-impex-941
Load Screw	Brass UNS-28000	
Seal	Brass UNS-28000	
Frame	Brass UNS-28000	
Seal Washer	Belleville Washer coated on both sides with Teflon Tape	
Bulb Nominal Diameter	5.0 mm	3.0 mm

These automatic sprinklers that have been investigated for their ability to control fires when installed in accordance with NFPA 13, "Installation of Sprinkler Systems," and NFPA 13R, "Installation of Sprinkler Systems in Low-Rise Residential Occupancies." These sprinklers are intended to be inspected, tested, and maintained in accordance with NFPA 25, "Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems."

Automatic sprinklers are intended to operate when the temperature of the heat-responsive element exceeds its thermal-response temperature. Sprinkler response characteristics, either Standard Response (SR) or Quick Response (QR), are specified in the individual certifications.



GD-0252
4 - WAY



GD-0251
2-WAY

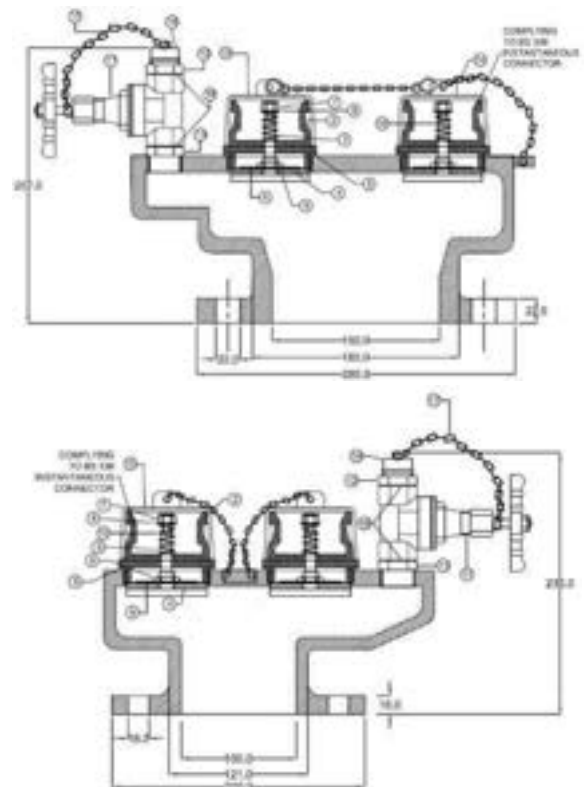
Technical Specifications

Model	GD-0251	GD-0252
Brand	SIBCA	
Approval	BSI – Kitemark	
Standard	BS 5041: Part 3	
Nominal Flange Outlet Size	100 mm	150 mm
Inlet Connection (Instantaneous Connector)	2 (BS 336)	4 (BS 336)
Nominal Working Pressure	10 Bar	
Test Pressure	20 Bar	
Flange	BS 4504 PN16	
Drain Valve	BS 5154: Part 3	

Material Specifications

No.	Part Name	Material	Specification
1	Body	Spheroidal Graphite Iron	BS 2789 400/18
2	Inlet NRV Connection Body	Copper Alloy	BS 2872 Grade Z 122
3	NRV Stem Valve	Copper Alloy	BS 2872 Z 122
4	NRV Rubber Flat Renewable Disc	Natural Rubber	BS 1154 Min 70 IRHD
5	NRV Rubber Flat Washer	Natural Rubber	BS 1154 Min 70 IRHD
6	NRV SS Washer Disc	Stainless Steel	-
7	SS Lock Nut	Stainless Steel	-
8	SS Lock Nut Washer	Stainless Steel	-
9	Brass Nut	Copper Alloy	BS 2872 Z 122
10	NRV Spring	Spring Steel	-
11	Drain Valve (Gate Valve)	Copper Alloy	BS 2872 Z 122
12	Brass Nipple after Gate Valve	Copper Alloy	BS 2872 CZ 122
13	Brass Nipple before Gate Valve	Copper Alloy	BS 2872 CZ 122
14	Chain for Inlet Blank Cap	MS "S" Hook Chain	-
15	Blank Cap for NRV Inlet	Plastic	-
16	Blank Cap for Drain Valve	Plastic	-
17	Chain for Drain Valve Blank Cap	MS "S" Hook Chain	-
18	Rubber "O" ring	Natural Rubber	-

General Assembly Drawing



Technical Specifications

Model	GE-0281	GE-0281A	GE-0282	GE-0282A
Brand	SIBCA			
Approval	UL Listed / FM Approved			
Design Standard	AWWA C503			
External Thread Standard	NFWA 1963 2.5" - 7.5NH / 4" - 4NH / 4.5" - 4NH			
Water Inlet Flange Standard	ASTM B16.5 Class 150 6" / DIN2501 PN16 DN150			
Maximum Adjust Pressure	250 PSI (17 Bar)			
Monitor Flange Standard	ASTM B16.5 Class 150 4" / DIN2501 PN16 DN100			
Working Temperature	0°C - 80°C			

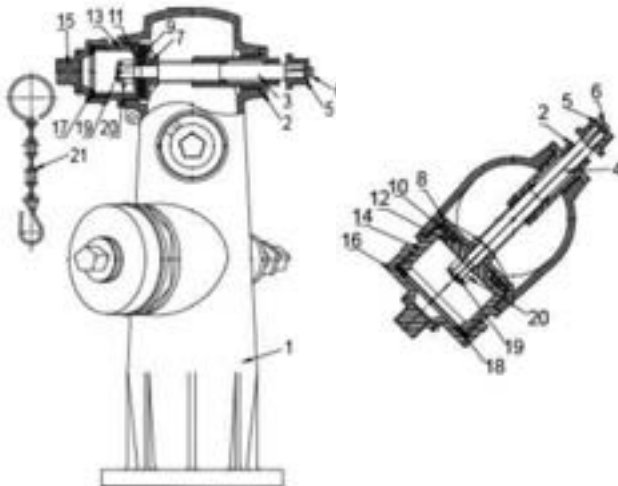


General Technical Information

Model	Hose Outlet Size	Pumper Nozzle Size	Monitor
GE-0281	2 x 2.5"	1 x 4.5"	N/A
GE-0281A	2 x 2.5"	1 x 4.5"	Yes
GE-0282	2 x 2.5"	1 x 4"	N/A
GE-0282A	2 x 2.5"	1 x 4"	Yes



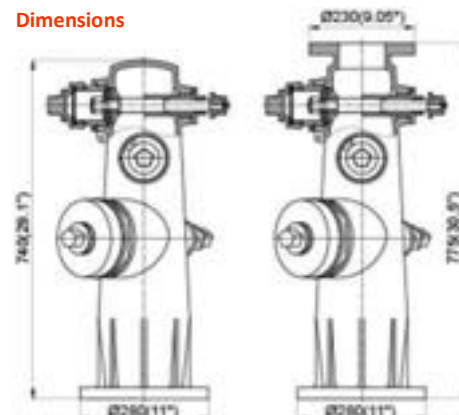
General Assembly Drawing



Material Specifications

No.	Part Name	Qty	Material
1	Main Body	1	Ductile Iron
2	Nut	3	C954
3	2.5" Bolt	2	SS304 / C954
4	4.5" Bolt	1	SS304 / C954
5	Stem Cap	3	Ductile Iron
6	Bolt	3	SS304
7	2.5" Tray	2	Ductile Iron / SS304 / C954
8	4.5" Tray	1	Ductile Iron / SS304 / C954
9	2.5" Sealing Rubber Sheet	2	EPDM
10	4.5" Sealing Rubber Sheet	1	EPDM
11	2.5" Platen	2	Ductile Iron / SS304 / C954
12	4.5" Platen	1	Ductile Iron / SS304 / C954
13	2.5" Outlet	2	C954
14	4.5" Outlet	1	C954
15	2.5" Outlet Cover	2	Ductile Iron
16	4.5" Outlet Cover	1	Ductile Iron
17	2.5" Cover Gasket	2	EPDM
18	4.5" Cover Gasket	1	EPDM
19	Cotter Pin	3	SS304
20	Slotted Nut	3	SS304
21	Cover Chain		Gr. B

Dimensions





GD-0271
Mechanical Connector



GD-0272
Flange Connector

Technical Specifications

Model	GD-0271	GD-0272
Brand	SIBCA	
Approval	UL Listed / FM Approved	
Design Standard	AWWA C502	
Nominal Pressure	250 PSI (17 Bar)	
Inlet Flange Size	6" (DN150)	
Main Valve Size	133.4 mm / 5 1/4"	
Pumper Nozzle	1 x 4.5" - 4NH Thread	
Hose Nozzle	2 x 2.5" - 7.5NH Thread	
Connector	Mechanical	Flange
Connector Standard	(AWWA / ANSI C153 / A21.536)	(ASME B16.5 C150 / DN250 PN16)
Painting	Red Polyurethane Paint and Bitumen Black	

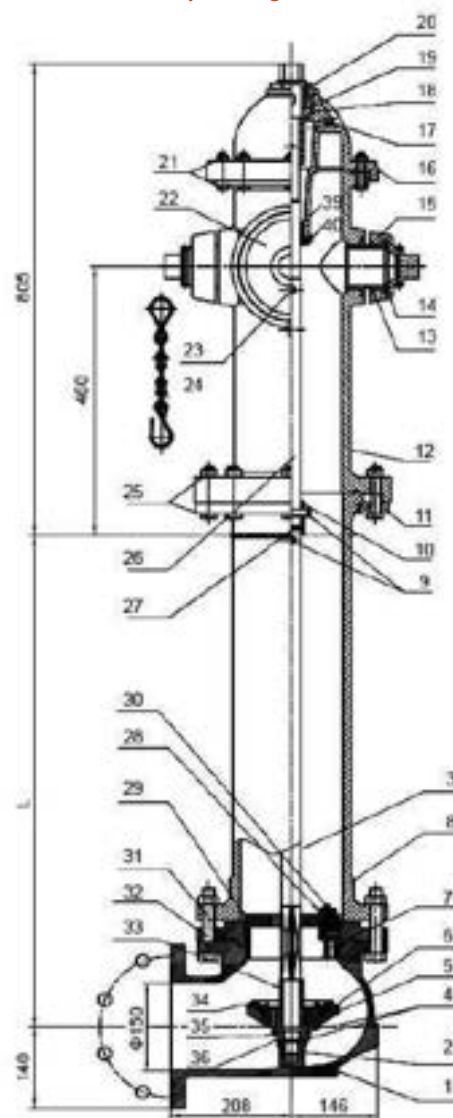
Buried Dimensions

L	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'
(mm)	1063	1215	1368	1520	1673	1825	1978	2130

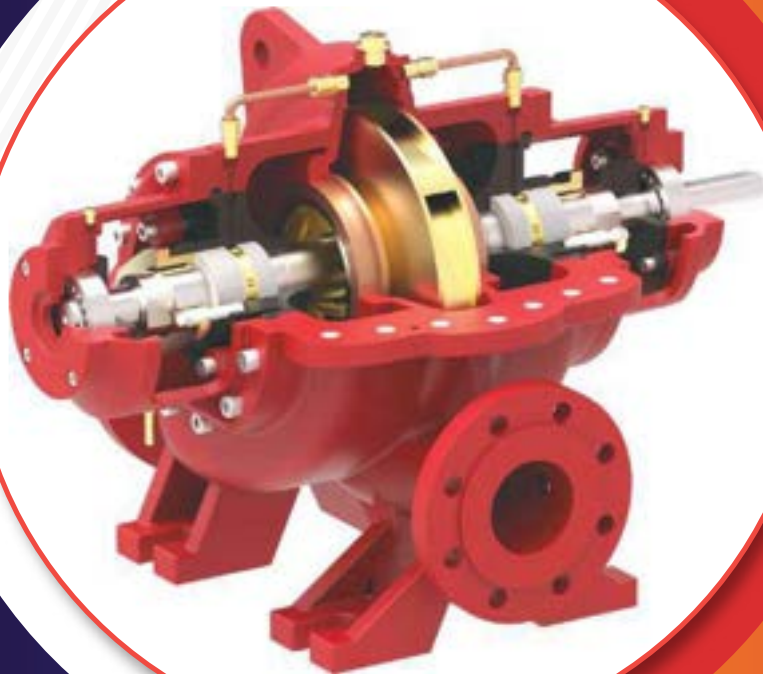
Material Specifications

No.	Part Name	Material
1	Flange or Mechanical Connector	Ductile Iron
2	Locking Nut	Ductile Iron
3	Connecting Rod	Steel 1045
4	Locking Nut Gasket	EPDM
5	Tray	Ductile Iron
6	Sealed Rubber Sheet	EPDM
7	Drain Hole Spring	316 Stainless Steel
8	Connecting Cylinder	Ductile Iron
9	Perforated Cylindrical Pin	Steel 1045
10	Connecting Rod Sleeve	Steel 1045
11	Clamp for Connection Tube	Ductile Iron
12	Main Body on Ground	Ductile Iron
13	65 Connector	C95400
14	65 Cover Gasket	EPDM
15	65 Cover	Ductile Iron
16	Upper End Cover	Ductile Iron
17	Thread Plug	C95400
18	Screw Stem Nut	C95400
19	Screw Nut Gasket	C95400
20	Screw Nut Seat	C95400
21	Bolt, Nut	Steel 1035
22	100 Cover	Ductile Iron
23	Cylindrical Pin	Steel 1045
24	Cover Chain	Gr. B ASTM A283-B
25	Bolt, Nut	Steel 1035
26	Screw Stem	Steel 1045
27	Cushion Rubber	EPDM
28	Drain Hole Cover	C95400 + EPDM
29	Seat	C95400
30	Bolt, Nut	316 Stainless Steel
31	Seat Fixing Plate	Ductile Iron
32	Bolt, Nut	Steel 1035
33	Annular Tubes	Steel 1045
34	Platen	Ductile Iron
35	Locking Nut Seat	Ductile Iron
36	Check Turn Gasket	Gr. B
37	100 Connector	C95400
38	100 Cover Gasket	EPDM
39	Screw Stem Bushing	316 Stainless Steel
40	Bolt	316 Stainless Steel

General Assembly Drawing



FIRE PUMPS



UL LISTED FIRE PUMPS SYSTEM

ORIONTAL ENDSUCTION FIRE PUMPS



Technical Specifications

Flow	50-1000GPM
Discharge pressure	84-230PSI
Speed Range	2900/3500 RPM
Suction/discharge fanges	1.5-6" / 2.5-4"

Material Specifications

Casing	Ductile Iron
Impeller	Bronze or stainless steel
Shaft	ATSM420
Sealing	Gland packing
Bearing Housing	Rolling bearing
Suction/discharge fanges	ANSI

Pump Naming

VES 80-250

Nominal impeller diameter (mm)

Discharge fange DN (mm)

Pump type

VESD150-80-250

Nominal impeller diameter (mm)

Discharge fange DN (mm)

Pump Type

Driver Options



Electrical



Diesel

Application Areas



Hydrant



Sprinkler



Overflow



Foam



Ordinary



High

Product Standard

UL 448, NFPA

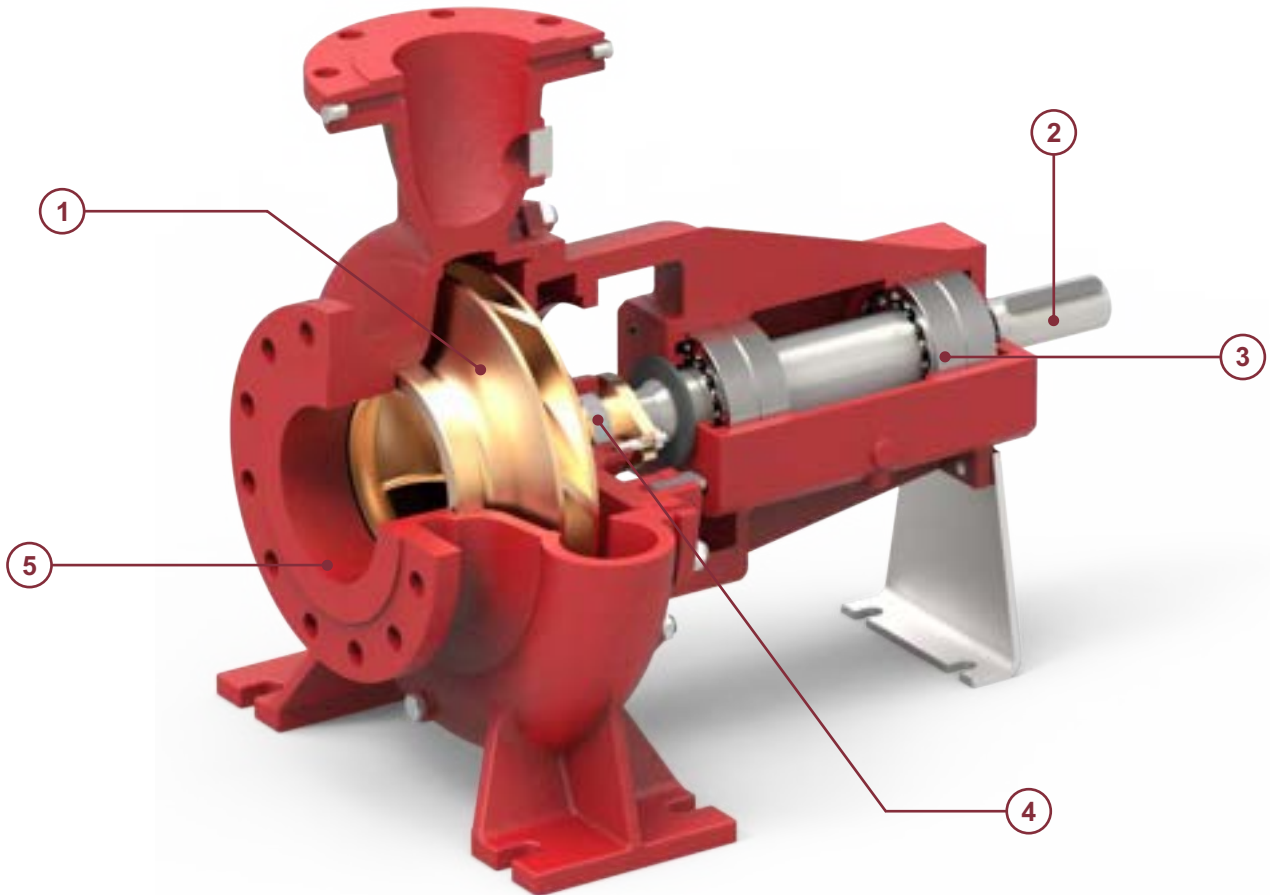
Product Approvals



Flange Standards

Pump Installing Dimensions are confirming to ISO2858 Standard, and Tested according to with UL 448 -2013

GENERAL PUMP FEATURES



1 - Impeller & Casing

- Impeller is dynamically balanced to grade G6.3 balance quality in accordance to ISO 1940-1.
- Impeller & Casing are designed using state of art CFD tools to ensure optimal performance.

3 - Bearing

- Heavy duty and permanently grease lubricated antifriction bearings for long service life.
- Open gland, enough space for service activities.

5 - Casing

- End Suction backpullout design permits maintenance of the pump without removing the pipes.
- Rugged Ball Bearings on Drive as well as Non Drive end.
- Flange drilled as per ANSI B16.1 class 250.
- Smooth surface inside & CED coated for superior corrosion protection.
- Replaceable wear ring protect the casing and the impeller running clearances.
- Heavy duty casing design for high working pressure.

2 - Shaft

- Heavy duty stainless steel shaft completely sealed and dry for zero corrosion available upon request.
- Short and rigid with negligible vibrations.
- Replaceable shaft protecting sleeves.
- No threads exposed to pump medium, long operating life and no corrosion.
- Adjustment-free assembly.

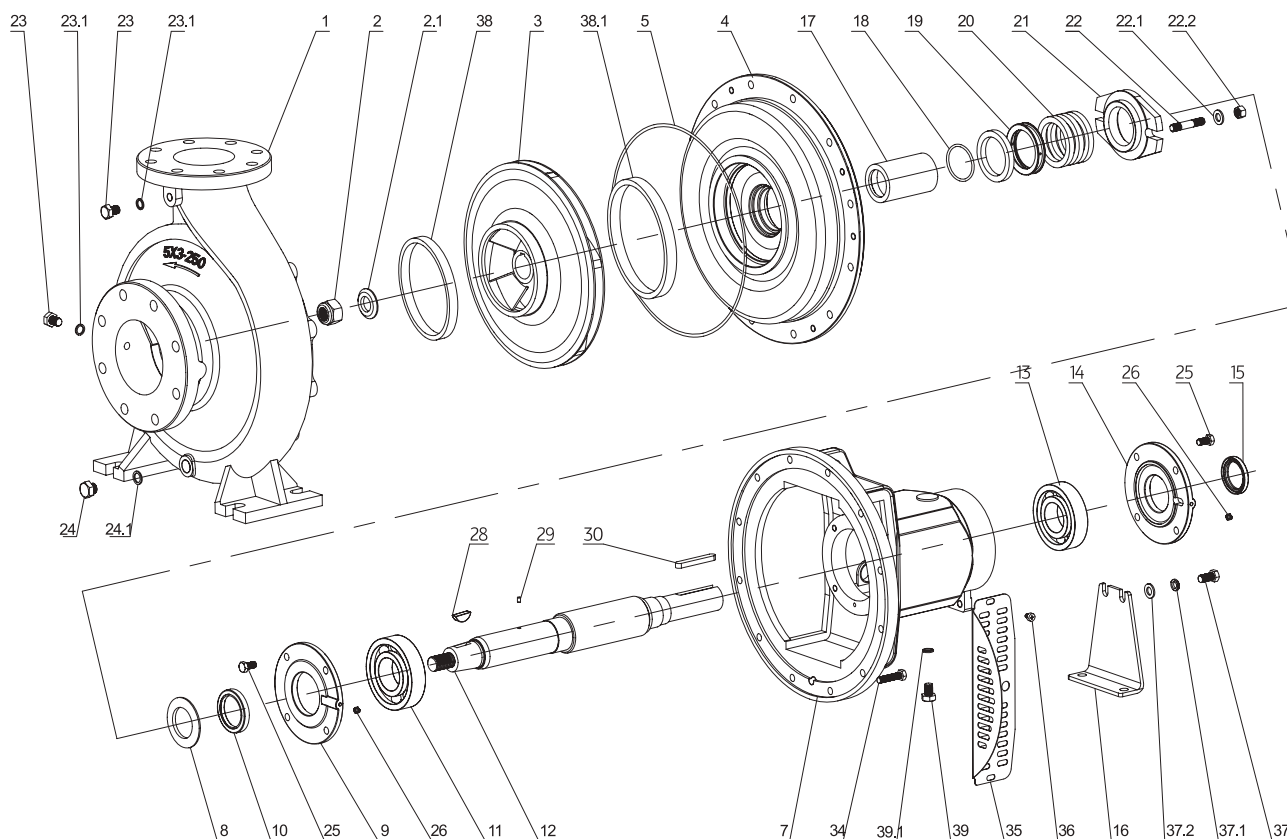
4 - Seal

- Asbestos - free, soft packed stuffing boxes.

ORIONTAL ENDSUCTION FIRE PUMPS



VES Series - Exploded View & Part list

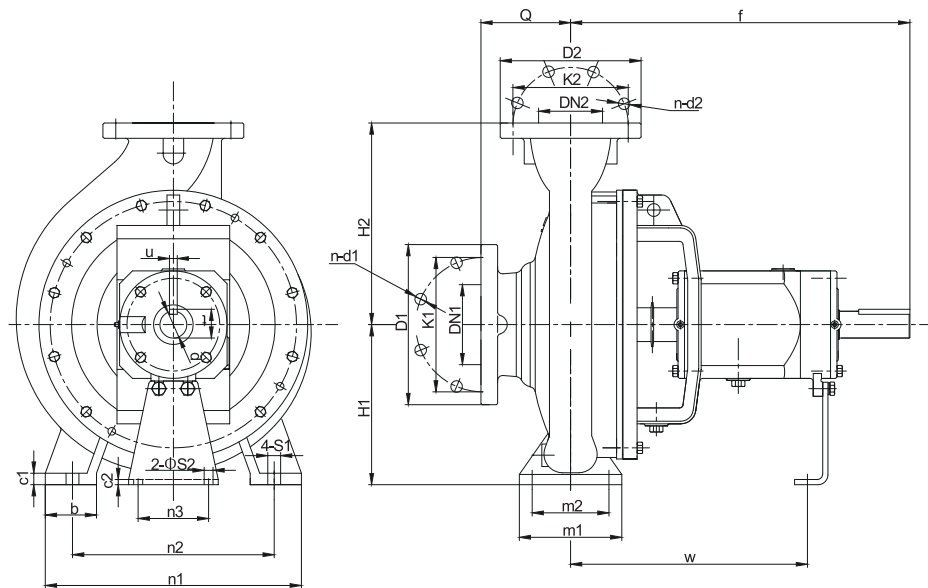


C ode	Part Name
1	Casing
2	Impeller Nut
2.1	Lock washer for impeller
3	Impeller
4	Gland Cover
5	O-ring
7	Bearing Housing
8	Rubber Slinger
9	NDE Bearing Cover
10	NDE Oil Seal
11	NDE Bearing
12	Shaft
13	DE Bearing
14	DE Bearing Cover
15	DE Oil Seal

Code	Part Name
16	Support Foot
17	Packing Sleeve
18	O-ring
19	Gland Packing
20	Packing Seal Cage
21	Gland Cover
22	Stud Bolt
22.1	Flat Washer
22.2	Screw Nut
23	Plug
23.1	Plug Spacer
24	Plug
24.1	Plug Spacer
25	Screw Bolt

Code	Part Name
26	Oil Cup M6
28	key
29	pin
30	key
34	Screw Bolt
35	Protective cover
36	Bolt
37	Screw Bolt
37.1	Elastic Washer
37.2	Flat Washer
38	Front-Wearing
38.1	Back-Wearing
39	Plug
39.1	Plug Spacer

VES SERIES INSTALLATION DIMENSION



Model	DN1		DN2		Impeller Dia.	Shaft No.	a	f	h1	h2	b	m1	m2	n1	n2	n3	c1	c2	w	S1	S2	d	t	u	l	Weight (kg)
	inch	mm	inch	mm																						
40-250	2.5"	65	1.5"	40	250	2	100	500	180	225	65	125	95	320	250	110	14	6	370	M12	M12	32	35	10	80	71
50-250	3"	80	2"	50	250	2	125	500	180	225	65	125	95	320	250	110	15	6	370	M12	M12	32	35	10	80	76
65-250	4"	100	2.5"	65	250	2	125	500	200	250	80	160	120	360	280	110	16	6	370	M16	M12	32	35	10	80	84
80-250	5"	125	3"	80	250	2	125	500	225	280	80	160	120	400	315	110	18	6	370	M16	M12	32	35	10	80	88
80-315	5"	125	3"	80	315	3	125	530	250	315	80	160	120	400	315	110	20	8	370	M16	M12	42	45	12	110	130
100-315	5"	125	4"	100	315	3	140	530	250	315	80	160	120	400	315	110	19	8	370	M16	M12	42	45	12	110	138
100-250	5"	125	4"	100	315	3	140	530	250	315	80	160	120	400	315	110	19	8	370	M16	M12	42	45	12	110	138
100-200	5"	125	4"	100	315	3	140	530	250	315	80	160	120	400	315	110	19	8	370	M16	M12	42	45	12	110	138
80-200	5"	125	3"	80	315	3	125	530	250	315	80	160	120	400	315	110	20	8	370	M16	M12	42	45	12	110	130
150-100-200	6"	150	4"	100	200	3	125	530	250	315	80	160	120	400	315	110	20	8	370	M16	M12	42	45	12	110	130
150-100-315	6"	150	4"	100	315	3	125	530	250	315	80	160	120	400	315	110	20	8	370	M16	M12	42	45	12	110	130

Flange standard : ASTM B16.42-1998 Class150					Flange standard : ASTM B16.42-1998 Class300				
DN1/DN2	1.5"	2"	2.5"	3"	4"	5"	3"	4"	5"
D1/D2	127	152.4	177.8	190.5	228.6	254	209.6	254	279.4
K1/K2	98.6	120.7	139.7	152.4	190.5	215.9	168.1	200.2	234.9
n-d1/ n-d2	4-φ15.7	4-φ19.1	4-φ19.1	4-φ19.1	8-φ19.1	8-φ22.4	8-φ22.4	8-φ22.4	8-φ22.4

UL PUMP SELECTION-

UL PUMP SELECTION:-

The most important aspect to be taken into consideration is how quickly a fire could spread within specific regions of the building. This is done by calculating the flammable materials within each region. Flammable materials stored to higher vertical levels are most likely to increase the energy of the fire, increasing the chances of the fire spreading.

This information would be gathered by the appointed main fire assessor on the site. Once this has been completed, a duty parameter can be produced. NFPA20 pumps are approved at specific flows only. This means that the site required flow needs to be within a 100%-140% bracket of the NFPA20 approved flowrate. For example, a 1500gpm approved pump can be used for duty parameters between 1500gpm and 2100gpm only.

The performance curve must also encompass some further requirements to ensure it meets the approval standard. The closed valve pressure must not exceed 140% of the pressure at the approved flow. The pump curve must also be able to withstand a flow of 150% of the approved flow and achieve no less than 65% of the rated pressure at this point. For example, if the pump is Approved to 1500gpm at 100PSI, at 0gpm the pressure Must not exceed 140PSI. Also at 2250gpm, the pump must achieve a minimum of 65PSI.

Any closed valve pressures which exceeds 20% of the pressure at the approved flow, or pressures over 175PSI will require a main relief valve to be fitted. This prevents over pressurizing of the system.

Suction lift installations are not permitted on NFPA20 installations. This means all water supplies must be above the pump level creating a flooded suction via gravity. In the event of water levels being below the plant room level, a vertical turbine pump will be required (the pump impeller is immersed within the tank, and connected via a vertical tube to the driver / motor above ground).

Standards Compliant

- NFPA – National Fire Protection Association and Annexes
- NFPA20 – Standard for the Installation of Stationary Pumps for Fire Protection
- UL – Underwriting Laboratories

Volute End Suction Underwriting Laboratories (UL) Listed pumps are used within sprinkler installations to protect a wide range of properties from the effects of fire. There is a vast range of products available for individual property installation requirements. Units are compliant to the latest National Fire Protection Association (NFPA20) requirements and annexes, with further approvals to listed in the Underwriting Laboratories (UL).

A standard FM/UL set could consist of the following

- Diesel pump set (including pump-end, FM/UL approved diesel engine, 8 hour double-walled fuel tank*, 12v lead acid batteries, LCD colour display controller, suction and discharge pressure gauges and air release valve all on a single skid)
- Jockey pump (pump achieving a minimum of 1 bar over the closed valve pressure of the proposed duty pump)
- NFPA20 Jockey pump starter (direct on-line starter)
- Remote Alarm Panel (for monitoring of signals remote from the pumphouse)
- Electric pumpset (including pump end long-coupled electric motor, suction and discharge pressure gauges and air release valve on a single skid)

Applications:-

- Offices
- Hospitals
- Warehouses
- High rise buildings
- Museums
- Shopping centers
- Supermarkets
- Large commercial units
- Industrial premises
- Industrial processes
- Oil rigs

Other ancilliary equipment available as follows:

- NFPA20 electric pump controller (wye-delta open transition starter with LCD colour electronic display)
- Main relief valve
- Flow meters
- Louvres and fans
- Vertical turbine pumping equipment including column shafts, right-angled gear boxes and pump heads.



ORIONTAL SPLIT CASE FIRE PUMPS



Technical Specifications

Suction fange	150-200 MM
Discharge fange	100-150MM
Flow	1000-2000 GPM
Discharge pressure	82-304PSI

Material Specifications

Casing	Ductile Iron
Impeller	Bronze or stainless steel
Shaft	40Cr / Stainless Steel
Sealing	Gland packing
Bearing Housing	Rolling bearing
Suction/discharge fanges	ANSI

Pump Naming

VSP 100-250

Nominal impeller diameter (mm)

Discharge fange DN (mm)

Pump type

Driver Options



Electrical



Diesel

Application Areas



Hydrant



Sprinkler



Overflow



Foam



Ordinary



High

Product Standard

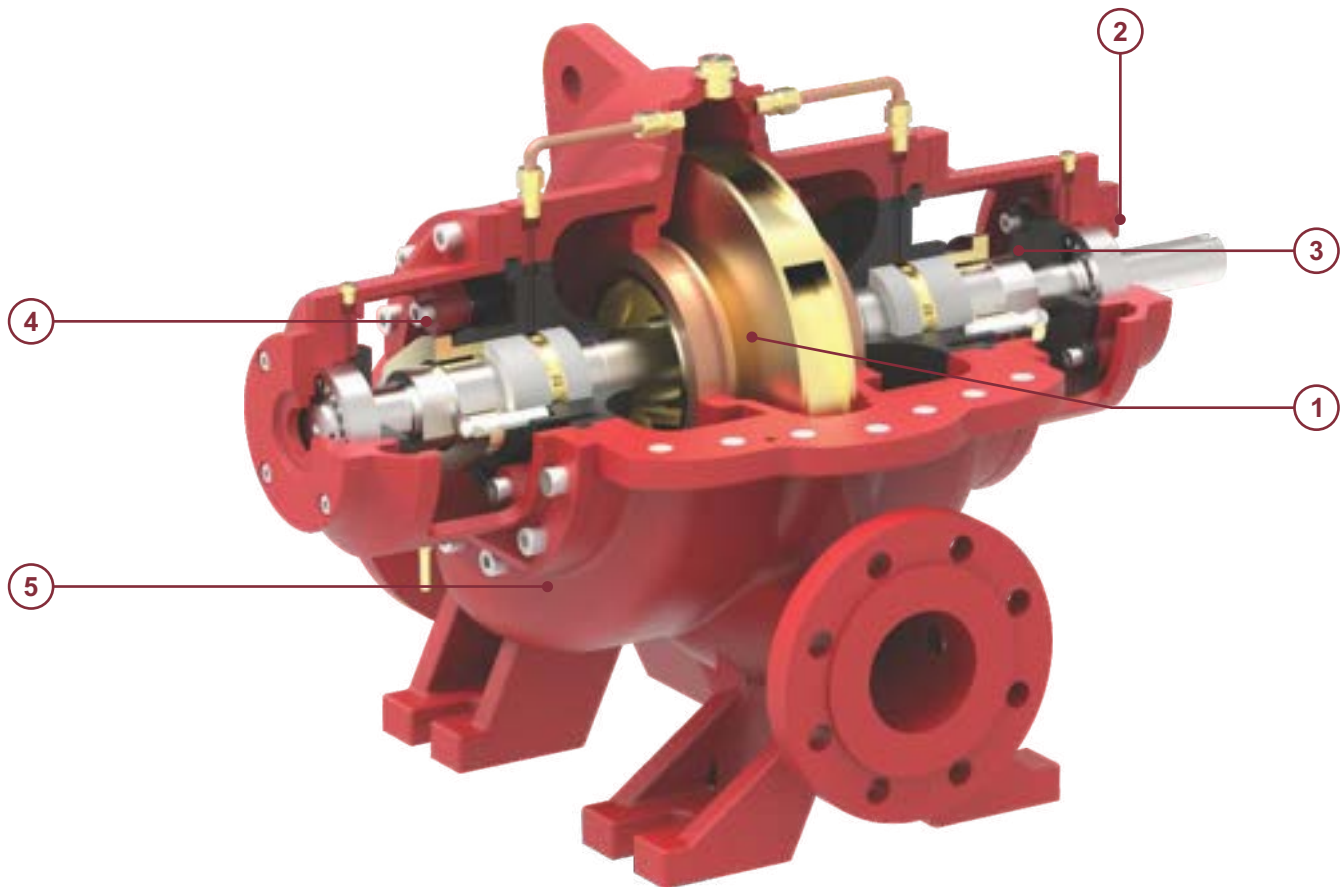
UL 448, NFPA

Product Approvals



Flange Standards

Pump Installing Dimensions are confirming to ISO2858 Standard, and Tested according to with UL 448 -2013



1 - Impeller & Casing

- Minimal axial thrust due to double-entry impeller.
- Impeller is dynamically balanced to G6.3 balance quality Grade in accordance to ISO 1940-1.
- Impeller & Casing are designed using state of the art CFD tools to ensure optimal performance.

3 - Bearing

- Heavy duty and grease lubricated antifriction bearings for long service life.
- Open gland, enough space for service activities.

5 - Casing

- In-line axially split design which permits removal of the complete rotor without removing the pipe & motor.
- Short distance between bearings.
- Leak-tight due to compact joint flange with long Pre-stressed bolts.
- Counter-rotation possible with similar parts.
- Easy mounting self-aligning upper casing.
- Flange drilled as per ANSI B16.1 class 250.
- Smooth surface inside CED coated for superior corrosion protection.
- Replaceable wear ring protect the casing and the impeller running clearances.
- Heavy duty casing design for high working pressure.

2 - Shaft

- Heavy duty shaft completely sealed and dry of zero corrosion.
- Short and rigid with negligible vibrations.
- Replaceable shaft protecting sleeves.
- No threads exposed to pump medium, long operating life and no corrosion.
- Adjustment-free assembly.

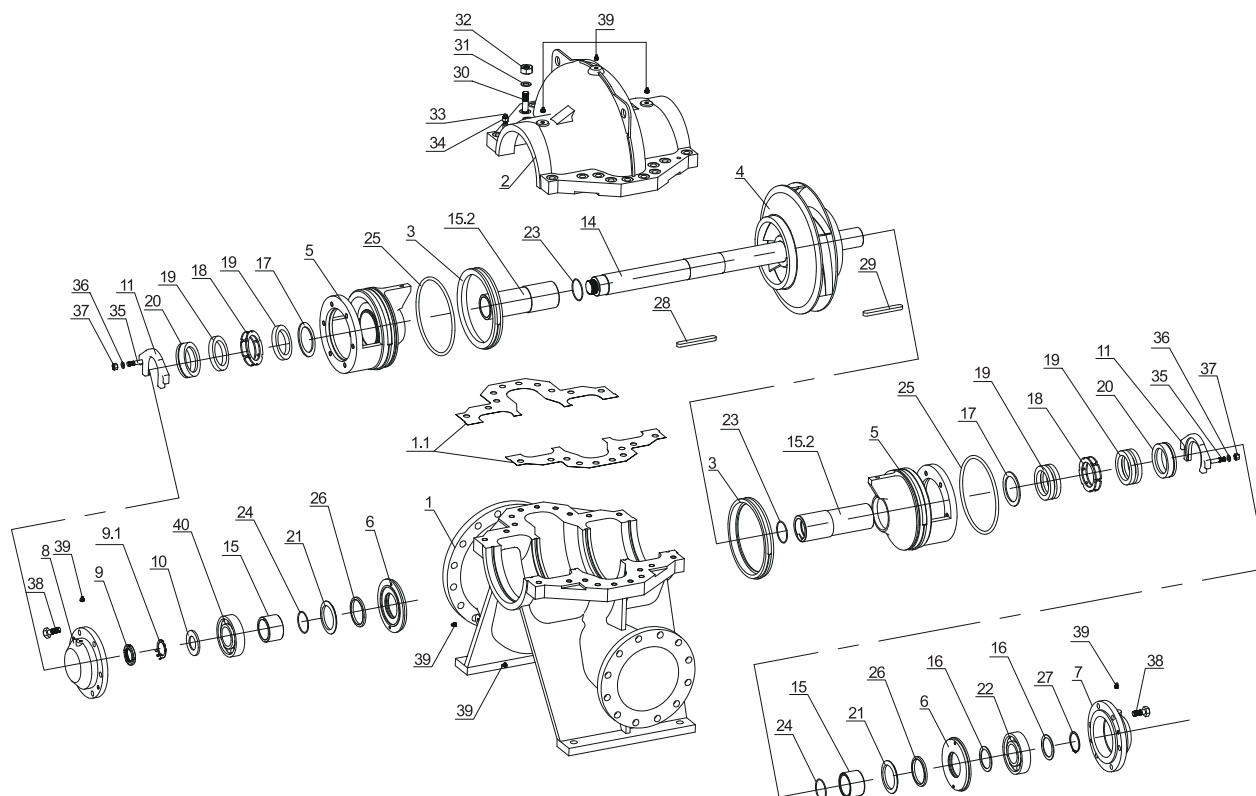
4 - Seal

- Asbestos - free, potable water quality soft packed stuffing

ORIONTAL SPLIT CASE FIRE PUMPS

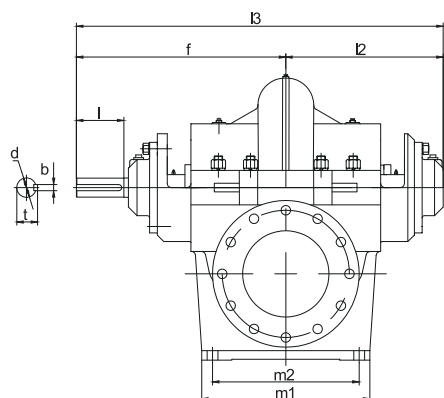
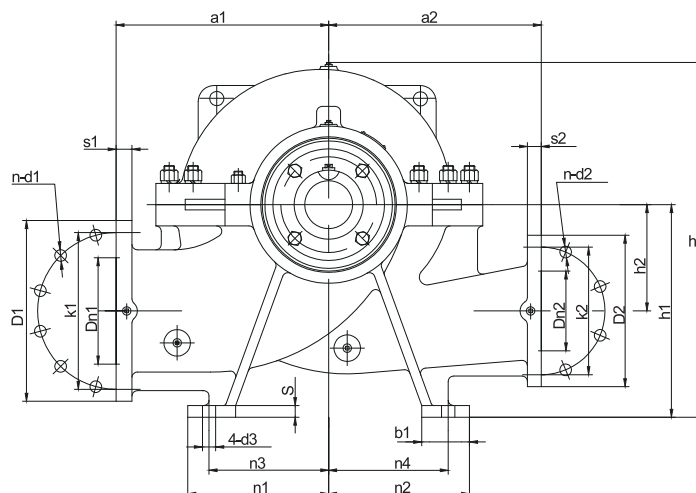


VSP Series - Exploded View & Part list



Code	Part Name	Code	Part Name	Code	Part Name
01	Casing-Bottom	15	Shaft Sleeve-Short	28	Key
01.1	Casing Gasket	15.2	Packing Shaft Sleeve	29	Key
02	Casing-Top	16	Bearing Seal Plate	30	Screw Bolt
03	Wear Ring	17	Packing Seal Plate	31	Spring Washer
04	Impeller	18	Lantern Ring	32	Screw Nut
05	Seal Housing	19	Gland	33	Pin
06	Bearing Cover	20	Packing Cover	34	Screw Nut
07	Bearing Housing-Driver End	21	Slinger	35	Screw Bolt
08	Bearing Housing-Non-Driver End	22	Bearing	36	Flat Gasket
09	Screw Nut	23	O-ring	37	Screw Nut
09.1	Lock Washer for Nut	24	O-ring	38	Screw Bolt
10	Bearing Slinger	25	O-ring	39	Plug
11	Seal Plate	26	Felting	40	Bearing
14	Shaft	27	External Circlips		

VSP SERIES INSTALLATION DIMENSION



ASME16.42-1998 CLASS300,ASME16.42-1998 CLASS250

DN	80	100	125	150	200
D	209.6	254	279.4	317.5	381
K	168.1	200.2	235	269.7	330.2
n	8	8	8	12	12
d	22.4	22.4	22.4	22.4	25.4

Model	DN1	DN2	a1	a2	f	l2	l3	h	h1	h2	m1	m2	n1	n2	n3	n4	b1	d3	s	d	b	l	t	Weight (kg)											
VSP 100-250	150	100	342	339	385	300	685	570	355	170	320	270	235	235	200	200	80	25	22	φ34	10	80	37.3	230											
VSP 100-310						320	705	605																42.3	283										
VSP 100-315							620													75															
VSP 125-200	200	125	382	380	485	365	850	635	400	200	390	340	265	265	225	225	90	25	22	φ44	12	110	47.3	322											
VSP 125-365								665																342											
VSP 150-200		150	412	412		390	875	660	210																										355
VSP 150-360								670	200																										

VERTICAL TURBINE FIRE PUMPS



Technical Specifications

Flow	50-5000GPM
Discharge pressure	84-230PSI
Speed Range	1450-2900 RPM
Suction/discharge fanges	1.5-6" / 2.5-4"

Material Specifications

Casing	Ductile Iron
Impeller	Bronze or stainless steel
Shaft	ATSM420
Sealing	Gland packing
Bearing Housing	Rolling bearing
Suction/discharge fanges	ANSI

Driver Options



Electrical



Diesel

Application Areas



Hydrant



Sprinkler



Overflow



Foam



Ordinary



High

Product Standard

UL 448, NFPA

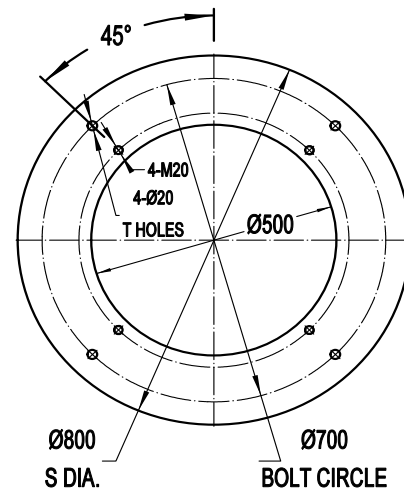
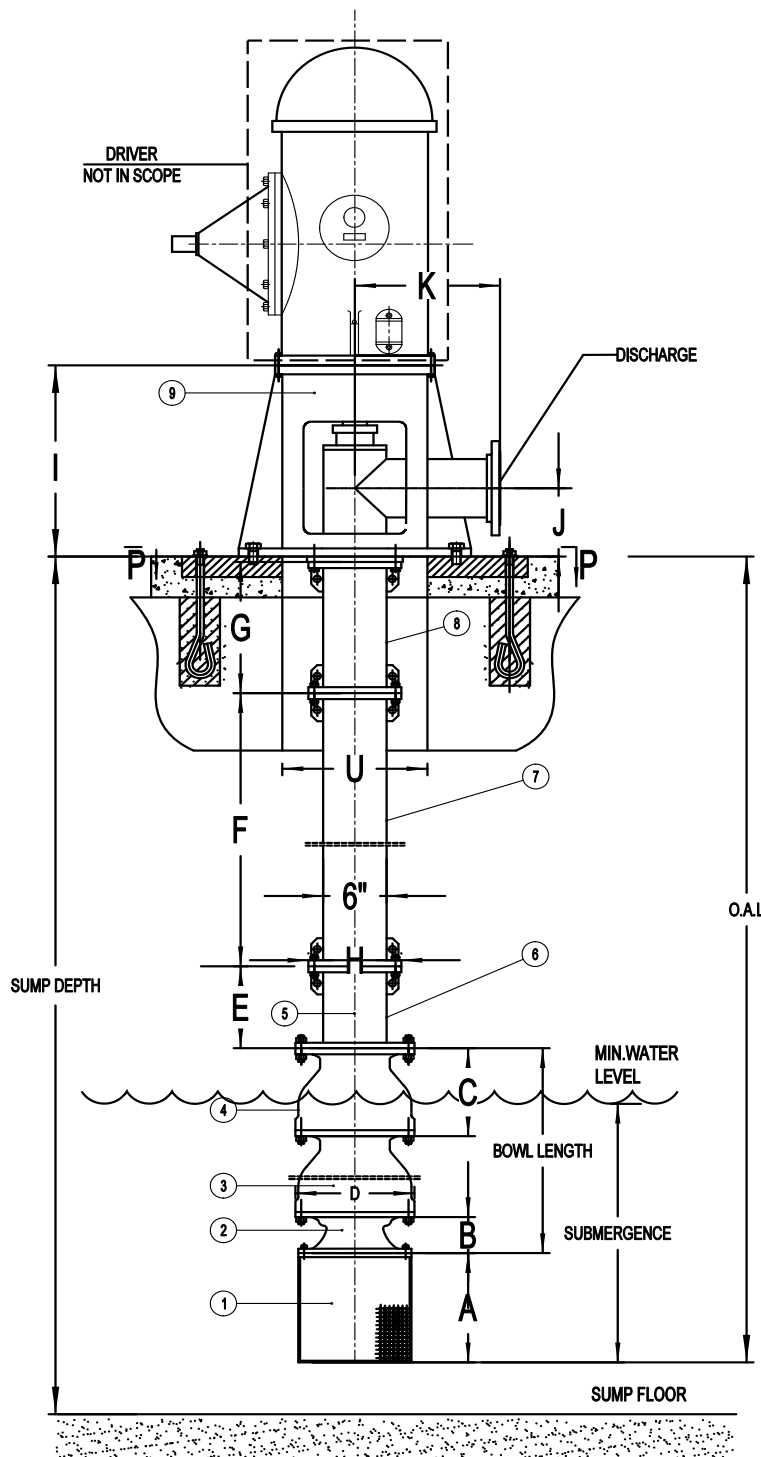
Product Approvals



Flange Standards

Pump Installing Dimensions are confirming to ISO2858 Standard, and Tested according to with UL 448 -2013

VERTICAL TURBINE FIRE PUMPS



Foundation Plate Details

ITEM	DESCRIPTION	MATERIAL
1	Strainer	ASTM A240, S30400
2	Suction Bell	ASTM A536, 65-45-12
3	Impeller	ASTM A473, S41600
4	Bowl	ASTM A536, 65-45-12
5	Shaft	ASTM A473, S41600
6	Lower Column Pipe	ASTM A53A Type S Gr.B
7	Middle Column Pipe	ASTM A53A Type S Gr.B
8	Upper Column Pipe	ASTM A53A Type S Gr.B
9	Discharge Head	ASTM A53A Type S Gr.B

Pump				Column Pipe						Discharge Head and Baseplate										 VERTICAL TURBINE OUTLINE DIMENSIONS
Pump Model	Stage	A	B	C*n	D	E	F	G	H	Dia	I	J	K	M	N	O	Q	S	T	U
VT 80-145	3~7	150	100	135*n	210	300	0	500	265	6"	550	200	380	600	550	4xØ24	800	700	4xØ20	500
VT 100-155	3~6	150	125	175*n	215	300	0	500	265	6"	550	200	380	600	550	4xØ24	800	700	4xØ20	500
VT 125-165	2~5	200	150	235*n	256	300	0	500	265	6"	550	200	380	600	550	4xØ24	800	700	4xØ20	500
VT 150-175	3~8	200	150	300*n	360	300	0	500	265	6"	550	200	380	600	550	4xØ24	800	700	4xØ20	500
VT 175-195	3~8	200	150	300*n	360	300	0	500	265	6"	550	200	380	600	550	4xØ24	800	700	4xØ20	500

FIRE PUMP SKIDS

Volute Split Case Underwriting Laboratories (UL) Listed pumps are used within sprinkler installations to protect a wide range of properties from the effects of fire. There is a vast range of products available for individual property installation requirements. Units are compliant to the latest National Fire Protection Association (NFPA20) requirements and annexes, with further approvals to listed in the Underwriting Laboratories (UL).

Applications:-

- Offices
- Hospitals
- Warehouses
- High rise buildings
- Museums
- Shopping centers
- Supermarkets
- Large commercial units
- Industrial premises
- Industrial processes
- Oil rigs

A standard FM/UL set could consist of the following

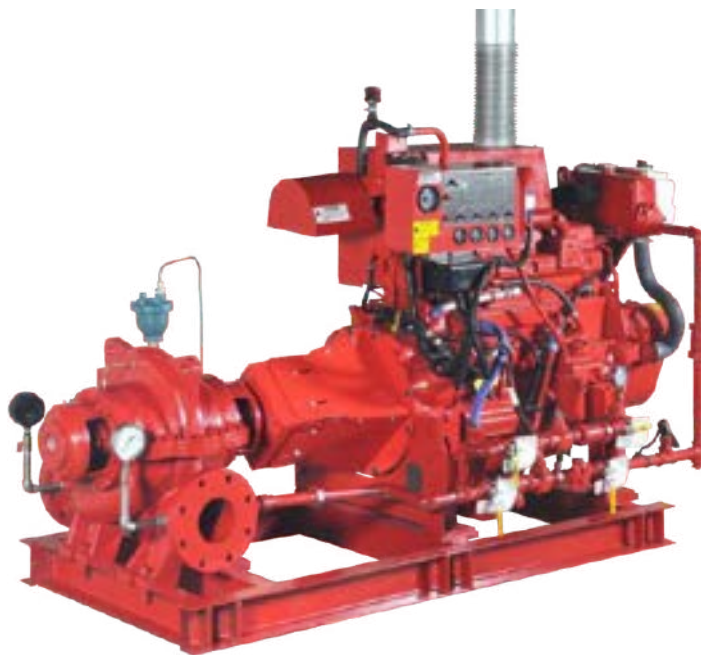
- Electric & Diesel pump set (including pump-end, FM/UL approved diesel engine, fuel tank*, 12v lead acid batteries, controller, suction and discharge pressure gauges and air release valve all on a single skid)
- Jockey pump (pump achieving a minimum of 1 bar over the closed valve pressure of the proposed duty pump)
- NFPA20 Jockey pump starter (direct on-line starter)
- Remote Alarm Panel (for monitoring of signals remote from the pump house)

Other ancillary equipment available as follows:

- Electric & Diesel pumpset (including pump end long-coupled
- electric motor, suction and discharge pressure gauges and air release valve on a single skid)
- NFPA20 electric pump controller (wye-delta open transition tarter)
- Main relief valve
- Flow meters
- Louvres and fans
- Vertical turbine pumping equipment including column shafts, right-angled gear boxes and pump heads.



Volute Split Case fire pumps are available for duties ranging from 50 USgpm to 2000 USgpm and are suitable for electric or diesel drives.



Benefits

An extensive range of UL giving the peace of mind of a solution being available to a sites individual requirements.

Print-off and downloadable pump operation logs for easy monitoring of the system.

All components within the pumps are independently approved and tested ensuring the product meets the expected high quality. Pumps can be produced in higher grade materials for specific pumped liquids ensuring reduction of corrosion damage and increasing longevity of the product.

A wide selection of options and accessories are available including pump housing to facilitate the selection of bespoke equipment.

Standards Compliant:-

- NFPA – National Fire Protection Association and Annexes
- NFPA20 – Standard for the Installation of Stationary Pumps for Fire Protection
- UL – Underwriting Laboratories



JOCKEY PUMPS

Jockey pumps are small, motor driven pumps used in conjunction with main fire pumps to compensate for minor leaks in the fire protection system and automatically maintain stand-by pressure. This reduces wear on the main pump and controller caused by unnecessary, frequent operation. Jockey Pump controllers are available for across the-line starting.



CONTROLLERS

- **ELECTRIC PUMP CONTROL**
- **DIESEL PUMP CONTROL**
- **JOCKEY PUMP CONTROL**
- **AND ALARM PANEL**

All Fire Pump Controllers are factory assembled, wired, tested as a unit and confirmed to all requirements of the latest edition of NFPA-20 (Centrifugal Fire Pumps) and NFPA-70 (National Electrical Code). Controllers are listed by Underwriters Laboratories, Inc., in accordance with UL218, Standard for Fire Pump Controllers, CSA, and Standard for Industrial Control Equipment (CUL) and approved by Factory Mutual (FM). All controllers are Y2K compliant.

This component plays a vital role in fire pumps as it controls the entire system. It is selected as per customer choice if any, otherwise it can be either TORNATECH, FIRETROL, or HUBBLE.



Minimum Fittings GERAND VENTURI TYPE FLOW METER |

construction & specifications

Materials: Steel zinc plated astm a53b erw – ansi b36.10

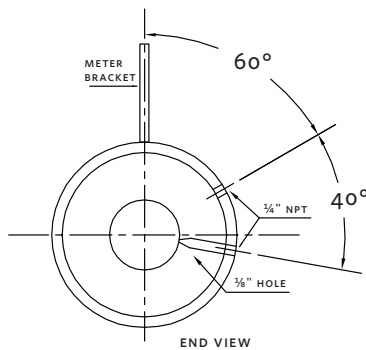
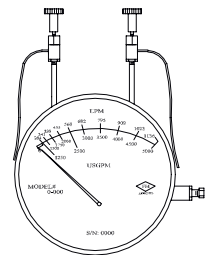
Valves: Cast bronze astm b584

Flange option: astm a105 2½"-10" sch 40 bore
12" & above std. bore

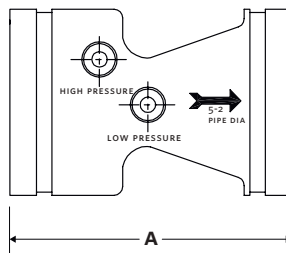
Id tag: Aluminum- 3.21" thick #200 mill

meter data

- Dial standard: 4"
- Construction: Case is anodized aluminum
- Operation: buna n diaphragm and 302 ss spring
- Accuracy: within $\pm 2.0\%$
- Temperature: 180°F (80°C)
- Pressure: 500 psig (3450 kpa)
- Approx. Weight: 3.75 lbs (1.7 kg)

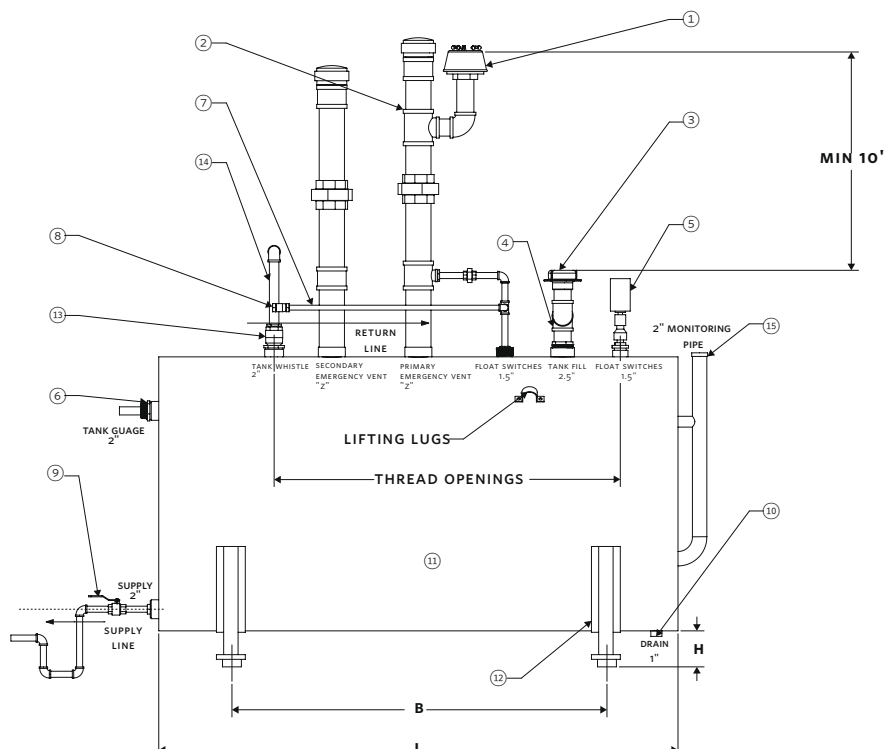
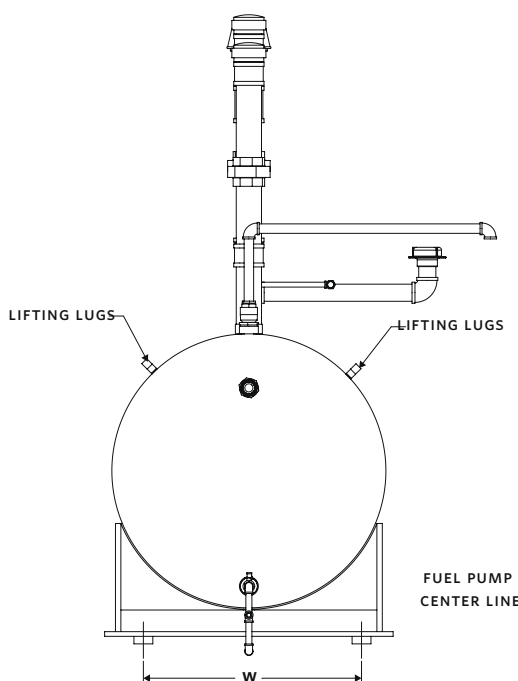


BUTT WELD/GROOVED



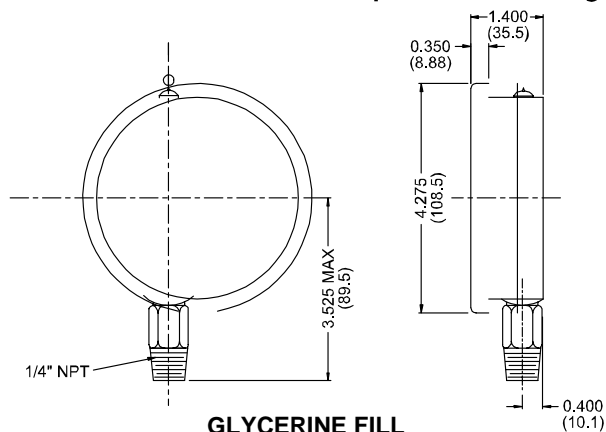
GROOVED

FUEL TANK



Minimum Fittings

4" Bottom Connection with optional Back Flange

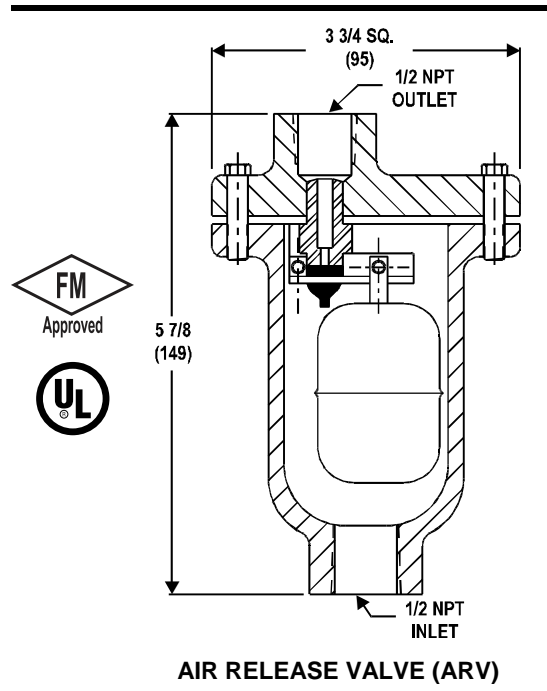


**GLYCERINE FILL
DISCHARGE GAUGE**

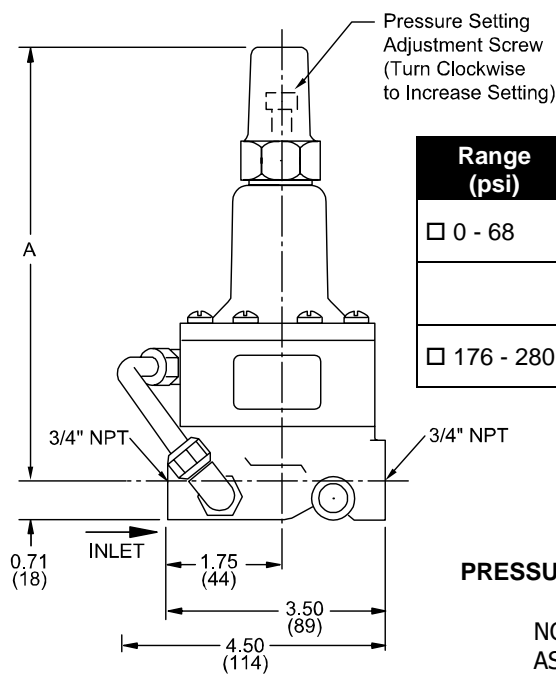


**GLYCERINE FILL
SUCTION GAUGE**

Pump		
HSC	<input type="checkbox"/> Includes: Gauges, ARV and Pressure Relief Valve	<input type="checkbox"/> Includes: Gauges and ARV
ES	<input type="checkbox"/> Optional: Gauges and Pressure Relief Valve	<input type="checkbox"/> Includes: Gauges
VIL	<input type="checkbox"/> Optional: Gauges and Pressure Relief Valve	N/A



AIR RELEASE VALVE (ARV)



Range (psi)	Approval	
<input type="checkbox"/> 0 - 68		(189)
		7.44 (189)
<input type="checkbox"/> 176 - 280		(265)

PRESSURE RELIEF VALVE

NOTE:
AS PER NFPA-20 SECT.
5.11.

All dimensions are in inches (mm)

Note: Dimensions are not used for construction purposes unless certified. Data subject to change without notice.

CONTACT US



trading@sibca.com

UNITED ARAB EMIRATES

ABU DHABI - HEAD OFFICE

P.O. Box 46944, Abu Dhabi, UAE
SIBCA building behind Etisalat
main building - Khalidya Street
Tel: +971 2 497 8600
Fax: +971 2 497 8700
Email: info@sibca.com

AL AIN

P.O. Box 19318, Al Ain, UAE
403, Building No. 43, Oud Al Touba Street
Tel: +971 3 751 8080
Fax: +971 3 751 9280
Email: info@sibca.com

DUBAI

P.O. Box 55472, Dubai, UAE
2nd Floor, Vision Tower, Business Bay.
Tel: +971 4 381 9444
Fax: +971 4 381 9445
Email: info@sibca.com

SHARJAH

P.O.Box 5608, Sharjah, UAE
1004, Al Mulla Tower, Al Nahda.
Tel: +971 6 502 8555
Fax: +971 6 502 8500
Email: sibca.shj@sibca.com

AJMAN

P.O. Box 22563, Ajman, UAE
1901, D Block, Horizon Tower
Tel: +971 6 538 2117
Email: sibca.ajm@sibca.com

UMM AL QUWAIN

P.O. Box 5608, Uaq, UAE
2, Malik Faisal Road
Tel: +971 6 539 5879
Email: sibca.uaq@sibca.com

RAS AL KHAIMAH

P.O. Box 12480, Rak, UAE
Al Oraibi, Al Rams Road, Ras Al Khaimah, UAE
Tel: +971 7 236 1003
Fax: +971 7 228 0445
Email: sibca.rak@sibca.com

FUJAIRAH

P.O. Box 22563, Fujairah, UAE
1001, Emirates Islamic Bank Building
Tel: +971 9 222 1816
Email: sibca.fuj@sibca.com

KINGDOM OF BAHRAIN

MANAMA

P.O. Box 5703
Office 12, MSCEB Bldg. 123, Road 402,
Manama 304, Kingdom of Bahrain
Tel: +973 172 12639
Fax: +973 172 12638
Email: info@sibca.com

INDIA

**Lumiere, Sasthamangalam,
Thiruvananthapuram, Kerala**



Customer Support : 800 - SIBCA (74222)
www.sibca.com



Technical Specifications

Model	Vertical Bladder Tank	Horizontal Bladder Tank
Brand	SIBCA	
Approval	UL Listed (EX29159)	
Design Code (Foam Vessel)	ASME SEC.VIII DIV.1	
Nominal Capacity	95-15,000 Liters (25-3,962 Gallons)	200-20,000L (52-5,283 Gallons)
Mounting	Vertical on Leg Supports (4 Nos.)	Horizontal on Saddle Supports (2 Nos.)
Service	Fire Water / Foam Concentrate	
Rated Pressure	12.06 Bar	
Service Temperature	49°C (Maximum)	
Design Temperature	-20°C TO 80°C	
Type of Dish End	2:1 Ellipsoidal	
Hydrostatic Test Pressure	18 Bar for 30 minutes	
Foam Proportioner Size	50 NB, 80 NB, 100 NB, 150 NB & 200 NB	
Foam Proportioner Flow Range	50 NB: 75-1,000 LPM / 80 NB: 200-3,200 LPM / 100 NB: 400-6,200 LPM 150 NB: 1,000-11,150 LPM / 200 NB: 3,000-36,300 LPM	
Foam Concentrate	Aqueous Film Forming Foam (AFFF)	
Foam Proportioning Ratio	3% (+0.9/-0)	
Internal Coating	Coal Tar Epoxy	
External Coating	Painted Fire-Red to Shade RAL 3000 (Total External DFT-190-260 MIC. DFT.)	

Application

SIBCA Foam Proportioning Unit - Bladder Type is a very versatile and reliable foam proportioning unit, which provides accurate and automatic foam proportioning with very low proportioning losses. Unit can be supplied with a single or multiple proportioners for covering a wide flow range.

Foam Proportioning Unit — Bladder Type is most ideal for foam systems employed for protection of hazardous areas, such as:

- Flammable liquid storage tanks in refineries and petrochemical units
- Chemical process plants
- Air-craft hangars
- Loading and Unloading gantries
- Oil Jetties
- Off-Shore Platforms
- Warehouses
- Foam application through spray nozzle and foam sprinkler

Features

- UL LISTED with AFFF-3% & AR-AFFF3% Foam Concentrates.
- Designed & constructed as per ASME Sec. VIII Div.1 (Optional — ASME U Stamped).
- Largest Range of Capacities (200 Liters to 15000 Liters) in Vertical & Horizontal Mounting.
- Largest Range of Ratio Controllers SONB/80NB/100NB/150NB/200NB.
- Widest Flow Range (75-20,000 LPM).
- Lowest Proportioning Losses.
- Nylon reinforced nitrite foam bladder is UL Listed with AFFF & AR-AFFF Foam.
- Concentrate & compatible with all types of foam concentrates.
- High reliability and design simplicity minimizes chances of system failure.
- Manual / automatic operation.
- Horizontal / Vertical Mounting.
- Low installation cost.

Description

Foam Proportioning Unit - Bladder Type is a self-contained foam proportioning unit used for injecting the foam concentrate into fire-water stream over a wide range of flow and pressure.

Units are available from 200 Liters to 15,000 Liters in Vertical as well as Horizontal Mounting. General arrangement of vertical mounting shall be as per fig no:660-1 and horizontal mounting shall be as per fig no:660-2. The dimensions of foam vessel may be subject to change as per changes in design. Unit consists of a foam vessel, foam bladder, foam proportioner, interconnecting piping, valves and concentrate level gauge.

Foam vessel is designed and fabricated to ASME Sec. VIII Div. I. Foam bladder is made of Nylon reinforced nitrite rubber, which is fixed inside the foam vessel. Foam concentrate is stored inside the foam bladder. Foam proportioner is supplied separately. The general arrangement of foam proportioner shall be as per fig no:660-3. It is connected to the tank by means of interconnecting piping. Inlet of foam proportioner is connected to the fire-water supply and outlet of foam proportioner to the foam solution delivery piping. Units can also be installed in double vessel configuration to facilitate stand-by arrangement for immediate switchover.

Operation

During operation, water is charged between the foam vessel and the foam bladder, thereby causing the pressurization of foam concentrate stored inside the foam bladder to a pressure, as that of fire-water supply.

The foam concentrate is injected in the fire-water stream due to pressure drop at the foam proportioner. Foam proportioner provides accurate and automatic proportioning of foam concentrate within its flow range with very low proportioning losses.

Specification

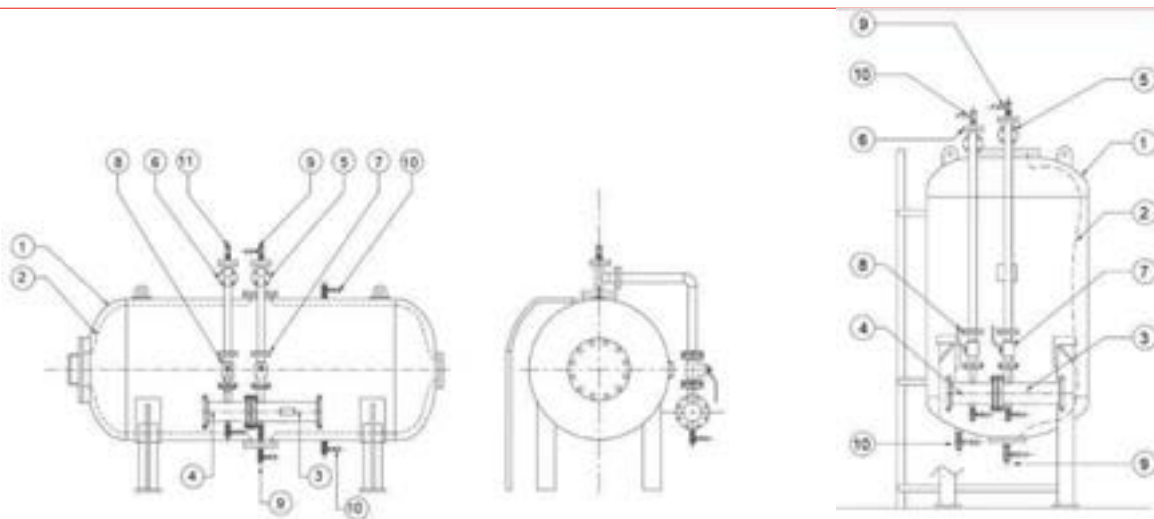
Foam vessel is designed and fabricated to ASME Sec. VIII Div. I for a maximum working pressure of 12.06 Bar and hydro tested to a pressure of 18.09 Bar. All the welded joints and sharp corners are ground smooth. Internal surface is coated with coal tar epoxy and external surface with fire-red epoxy paint. Lifting lugs are welded to the vessel. Vertical vessel is provided with leg supports and horizontal vessel with saddle supports. Anchoring holes are drilled in the base plate of supports. Anchor bolts are also supplied with the unit.

Foam Bladder is made of Nylon reinforced nitrite rubber, which is fixed inside the vessel. It is provided with one-piece compression molded neck flanges.

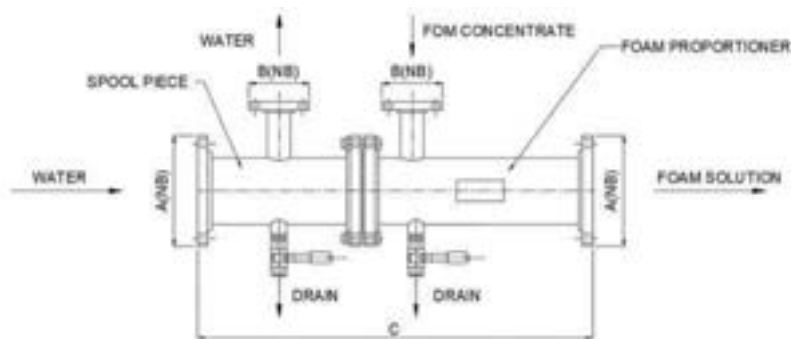
Foam proportioner and spool piece are made of carbon steel with internals of stainless-steel construction. As an option complete stainless-steel construction is also offered. It is hydro tested to pressure of 18.09 Bar and how tested for how rate and proportioning ratio for various flows within the flow range of foam proportioner. It is internally coated with coal tar epoxy and externally coated with fire-red epoxy paint.

Interconnecting piping connects the foam vessel to the foam proportioner. It consists of water piping and foam piping. Water piping is of carbon steel construction and foam piping of stainless steel construction. Piping is hydro tested to a pressure of 18.09 Bar and externally coated with fire-red epoxy paint.




Material Specifications

No.	Part Name	Material	No.	Part Name	Material
1	Foam Vessel	SA-516 GR.70 (Carbon Steel)	6	Water Piping	SA-106 GR. B (Carbon Steel)
2	Foam Bladder	Nylon Reinforced Nitrile Rubber (BUNA-N)	7	Foam Supply Valve	ASTM A351 CF-8 (SS:304)
3	Foam Proportioner	SA-106 GR. B with SS:304 Internals	8	Water Charging Valve	ASTM A351 CF-8 (SS:304)
4	Spool Piece	SA-106 GR. B (Carbon Steel)	9	Bladder Vent / Bladder Drain	Brass
5	Foam Piping	SA-312 TP 304 (Stainless Steel)	10	Vessel Vent / Vessel Drain	Brass
	Thermal Expansion Relief Valve	Copper Alloy / Stainless Steel		Pressure Gauge	Stainless Steel (316L Internals)
	Non-Return Valve (Foam)	Copper Alloy (Bronze)		Ladder	Mild Steel
	Level Indicator Valve	Brass			



Description	Material
Body	Carbon Steel / Stainless Steel
Water Nozzle	Stainless Steel
Foam Nozzle	Stainless Steel
Drain Valve	Stainless Steel

Model – Size	Nominal Flow Range in LPM	Proportioner Ratio in %	A (NB)	B (NB)	C (mm)
GK-0541 2"	75 – 1,000	3%	50	25	1,000
GK-0541 3"	200 – 3,200	3%	80	40	1,000
GK-0541 4"	400 – 6,200	3%	100	40	1,000
GK-0541 6"	1,000 – 11,150	3%	150	50	1,000
GK-0541 8"	3,000 – 36,300	3%	200	65	1,000

Technical Details
EX29188
ASTM A53 / A106 Standard Specification for Pipe, Steel, Black and Hot-Dipped, Welded and Seamless

Schedule	Nominal Size	Outside Diameter	Wall Thickness	Mass of Black Tube	Test Pressure
	(inch)	(mm)	(mm)	Plain End (kg/m)	Grade B (PSI)
Schedule 40	1/2"	21.3	2.77	1.27	700
	3/4"	26.7	2.87	1.69	700
	1"	33.4	3.38	2.5	700
	1 1/4"	42.2	3.56	3.39	1300
	1 1/2"	48.3	3.68	4.05	1300
	2"	60.3	3.91	5.44	2500
	2 1/2"	73	5.16	8.63	2500
	3"	88.9	5.49	11.29	2500
	4"	114.3	6.02	16.07	2210
	5"	141.3	6.55	21.77	1950
	6"	168.3	7.11	28.26	1780
	8"	219.1	8.18	42.55	1570

Note: Wall thickness tolerance is -12.5%
Length tolerance is +20mm/0



Welded Steel Pipe



Raw Material: Hot Rolled Coil Forming

Method: F-F-X

Welding Method: High-frequency Resistance Welding

Size: 1/2" to 8"

Temperature: -30°C to 80°C

Normal Pressure: 0.1 MPA to 8MPA

Connection: Grooved, Threaded, Beveled, Plain

Application: Water System, Sprinkler System, Gas system, Oil and HAVC System

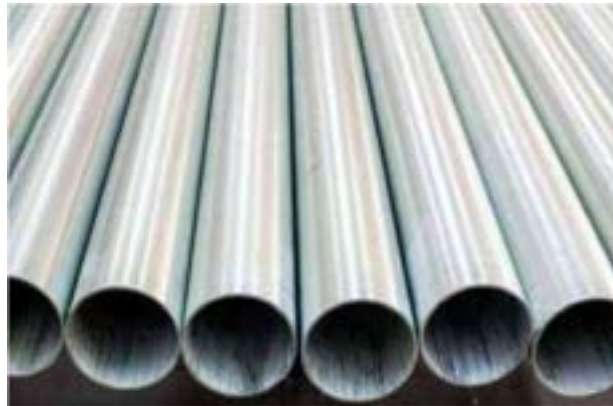
Product Advantages: Advanced F-F-X forming techniques enhance controllability.

Therma tool solid state high frequency welding Machine, make sure the welding stability.

Online Heat Treatment, make sure the seam hardness

100% online Eddy Current Testing and Hydrostatic Testing, make sure the welding quality

Galvanized Steel Pipe



Galv.: Hot-dip Galvanizing

Size: 1/2" to 8"

Temperature: -30°C to 80°C Normal Pressure: 0.1 MPA to 8MPA

Connection: Grooved, Threaded, Bevelled, Plain

Gal. Coating Thickness: 300G/m², 390G/m², 500G/m², 550G/m²

Application: Water System, Sprinkler System, Gas system, Oil and HAVC System

Product Advantages: Galv. coating is uniformity, clean and bright. Using 0# zinc ingot, with good anti-corrosion ability.

Painted Steel Pipe

Coating Material: Anti-rust Paint, Primer Paint,
Epoxy Paint

Coating Color: Red, Black, Gray, Varnish

Coating Thickness: 30um

Coating Method: Painted Outside

Size: 1" to 8"

Temperature: -30°C to 80°C

Normal Pressure: 0.1 MPA to 8MPA

Connection: Grooved, Threaded, Plain

Application: Sprinkler System, Gas system Product Advantages: Paint is high quality and environmental,
meet the requirement of usage Coating is uniformity and smooth. Coating with good adhesion and
hardness Coating with good anticorrosion, prolong the pipe life span.





Technical Details

Model	2 Core - 1 mm ² , 1.5 mm ² & 2.5 mm ² with class 1 conductor, Cu/Silicone/Polyester tape/TC Drain wire/Al Foil Screened/Polyolefin sheathed
Brand	SIBCA
Approval	UL Listed
Design Standard	EN 50200:2015
Fire Rating	PH 120 Classification

Material Specifications

Voltage Range	300 / 300V
No. of Cores	2
Sizes	1 mm ² , 1.5 mm ² , 2.5 mm ²
Conductor	Annealed Copper, Round Solid
Conductor Class	Class 1
Insulation Material	Fire Resistance Silicone Rubber, Grade: 13670
Core Identification	Core 1: Brown, Core 2: Blue
Assembly	Two core twisted
Binder Tape	Polyester Tape, Grade: PET 20
Screen Material	Aluminum Polyester Laminate Tape, Grade: ALPET 40
Outer Sheath Material	Fire Resistant Polyolefin, Grade: DW9023, Color: Red

Applications

- Fire detection and fire alarm systems for buildings
- Voice alarm systems and emergency voice communication
- Emergency and Exit lighting
- Control circuits for fire safety and firefighting systems

D.2 TESTING CERTIFICATION / TECHNICAL CERTIFICATIONS

Certificate of Product Approval

Certificate Number: 1038BGa

Issue: 02

SIBCA Electronic Equipment Co. Limited

SIBCA Building – Behind Etisalat Main Building
Khalidiya
P.O. Box 46944
Abu Dhabi
United Arab Emirates

is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

Products

'SIBCA' Fire Hose Reels

(Refer to attached appendix for details)

Standards

EN 671-1:2012

Fixed firefighting systems. Hose systems. Hose reels with semi-rigid hose

This certificate and appendix is maintained and held in force through regular surveillance activities

Signed for BRE Global Ltd.

Joe Milton

Verifier

23 November 2023

Date of Issue

26 September 2023

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX

T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 1038BGa SIBCA Electronic Equipment Co. Limited

Issue: 02

'SIBCA' Fire Hose Reels to EN 671-1:2012

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
GC-0181A	Manual, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038BGa/01
GC-0181B	Manual, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038BGa/02
GC-0182A	Automatic, swinging arm, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038BGa/03
GC-0182B	Automatic, swinging arm, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038BGa/04
GC-0183A	Manual, swinging arm, wall mounted	33	30	Rotary operated jet/spray	1038BGa/05
GC-0184A	Manual, fixed, wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038BGa/06
GC-0184B	Manual, fixed, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038BGa/07
GC-0185A	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038BGa/08
GC-0186A	Automatic, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038BGa/09

This certificate and appendix is maintained and held in force through regular surveillance activities

J. Mit

Signed for BRE Global Ltd.

Joe Milton

Verifier

23 November 2023

Date of Issue

26 September 2023

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX

T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Appendix to Certificate No: 1038BGa SIBCA Electronic Equipment Co. Limited

Issue: 02

'SIBCA' Fire Hose Reels to EN 671-1:2012

Product Name	Description	Hose Nominal Bore (mm)	Hose Maximum Length (m)	Nozzle type	LPCB Ref. No.
GC-0185B	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038BGa/10
GC-0186B	Automatic, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038BGa/11
GC-0183B	Manual, swinging arm, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038BGa/12
GC-0185C	Manual, swinging pipe, cabinet or wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038BGa/13
GC-0185D	Manual, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038BGa/14
GC-0187A	Automatic, fixed, wall mounted	19	30	Lever operated jet only or rotary operated jet/spray	1038BGa/17
GC-0186C	Automatic, swinging pipe, cabinet or wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038BGa/18
GC-0187B	Automatic, fixed, wall mounted	25	30	Lever operated jet only or rotary operated jet/spray	1038BGa/19

This certificate and appendix is maintained and held in force through regular surveillance activities

Signed for BRE Global Ltd.

Joe Milton

Verifier

23 November 2023

Date of Issue

26 September 2023

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX

T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

Fire Hose, Lined, Uncoupled, for Municipal and Industrial Use

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, Abu Dhabi P.O. BOX 46944 United Arab Emirates

EX29151

Trademark and/or Tradename:



Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Multiple-jacketed, Model(s): [GB-0111](#)

Single-jacketed, Model(s): [GB-0101](#), [GB-0103](#)

Single-jacketed covered, Model(s): [GB-0102](#)

Last Updated on 2024-01-16

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."

Pressure-reducing and -Restricting Devices

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, Abu Dhabi P.O. BOX 46944 United Arab Emirates

EX29181

Trademark and/or Tradename:



Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Restricting Valve, Model(s): [GD-0261](#), [GD-0262](#), [GD-0263](#), [GD-0264](#), [GD-0265](#), [GD-0266](#), [GD-0267](#), [GD-0268](#)

Last Updated on 2024-01-16

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."

Kitemark™ Certificate

This is to certify that:

SIBCA Electronic Equipment Co,
Limited - Sole Proprietorship L.L.C.
SIBCA Building, Khalidiya
P.O. Box 46944
Abu Dhabi
United Arab Emirates

Holds Certificate Number:

KM 794905

In respect of:

BS 5041: 1 & 2 1987 and BS 5041: 3 1975
Fire Hydrant Systems Equipment Landing Valves and Inlet Breeching

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.



For and on behalf of BSI:

Shahm Barhom, Group Product Certification Director

First Issued: 2023-12-15

Latest Issue: 2023-12-15

Effective Date: 2023-12-15

Expiry Date: 2026-10-11

Page: 1 of 2



Kitemark™ Certificate

No. KM 794905

Model No	Description
GD-0251	2-Way Breeching inlet, with mushroom-type Non-return Inlet Valves
GD-0252	4-Way Breeching inlet, with mushroom-type Non-return Inlet Valves
GD-0240	Landing valve, High Pressure, Bib-nosed type DN65 Flanged male inlet (Pressure Regulating Valve)
GD-0220	Globe valve, Low Pressure, Oblique type DN65 Flanged male inlet
GD-0230	Globe valve, Low Pressure, Oblique type 2½" Screwed male inlet

All the above products are certified to BS 5041: 1&2 1987 and BS 5041-3:1975

Branding: SIBCA

First Issued: 2023-12-15

Latest Issue: 2023-12-15

Effective Date: 2023-12-15

Expiry Date: 2026-10-11

Page: 2 of 2

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Kitemark™ Certificate

This is to certify that:

SIBCA Electronic Equipment Co,
Limited - Sole Proprietorship L.L.C.
SIBCA Building, Khalidiya
P.O. Box 46944
Abu Dhabi
United Arab Emirates

Holds Certificate Number:

KM 795300

In respect of:

BS EN 3
Portable fire extinguishers

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.



For and on behalf of BSI:

Shahm Barhom, Group Product Certification Director

First Issued: 2023-10-12

Effective Date: 2023-10-12

Latest Issue: 2023-10-12

Expiry Date: 2026-10-11



Page: 1 of 2

Kitemark™ Certificate

No. KM 795300

Model No	Description
GA-0011	1 kg ABC powder, stored pressure. Fire rating 8A & 55B
GA-0012	1 kg ABC powder (25% MAP), stored pressure. Fire rating 5A & 34B
GA-0013	2 kg ABC powder, stored pressure. Fire rating 13A & 89B
GA-0014	2 kg ABC powder (25% MAP), stored pressure. Fire rating 13A & 70B
GA-0015	4 kg ABC powder, stored pressure. Fire rating 27A & 183B
GA-0016	6 kg ABC powder, stored pressure. Fire rating 43A & 233B
GA-0017	9 kg ABC powder, stored pressure. Fire rating 55A & 233B
GA-0016A	6 kg powder, stored pressure. Fire rating 55A & 233B
GA-0016B	6 kg powder, stored pressure. Fire rating 55A & 233B
GA-0016C	6 kg powder, stored pressure. Fire rating 43A & 233B
GA-0031	6 litre foam stored pressure. Fire rating 27A & 183B
GA-0031A	6 litre foam, stored pressure. Fire rating 21A & 183B
GA-0032	9 litre foam, stored pressure. Fire rating 34A & 233B
GA-0032A	9 litre foam, stored pressure. Fire rating 27A & 233B
GA-0041	6 litre water, stored pressure. Fire rating 13A
GA-0041A	6 litre water + additive (5.1 litre water + 0.9 litre INILAM AX), stored pressure. Fire rating 34A
GA-0042	9 litre water, stored pressure. Fire rating 21A
GA-0051	2 litre wet chemical, stored pressure. Fire rating 5A, 70B & 25F
GA-0052	3 litre wet chemical, stored pressure. Fire rating 13A, 89B & 40F
GA-0053	6 litre wet chemical, stored pressure. Fire rating 34A, 233B & 75F
GA-0021	2 kg carbon dioxide. Fire rating 34B
GA-0022	5 kg carbon dioxide. Fire rating 89B
GA-0021A	2 kg carbon dioxide. Fire rating 34B
GA-0022A	5 kg carbon dioxide. Fire rating 70B

All the above products are certified to BS EN 3-7:2004+A1:2007

First Issued: 2023-10-12

Latest Issue: 2023-10-12

Effective Date: 2023-10-12

Expiry Date: 2026-10-11

Page: 2 of 2

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

Gate Valves

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, Abu Dhabi P.O. BOX 46944 United Arab Emirates

EX29150

Trademark and/or Tradename:



Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Model(s): [GN-0361-FF](#), [GN-0362-FF](#), [GN-0362-FG](#), [GN-0362-GG](#), [GN-0363-FF](#), [GN-0363-FG](#), [GN-0363-GG](#), [GN-0364-FF](#), [GN-0364-FG](#), [GN-0364-GG](#), [GN-0365-FJ](#), [GN-0365-JJ](#), [GN-0366-FJ](#), [GN-0366-JJ](#), [GN-0367-FJ](#), [GN-0367-JJ](#), [GN-0368-FF](#), [GN-0369-FF](#), [GN-0369-FG](#), [GN-0369-GG](#), [GN-0371-FF](#), [GN-0371-FG](#), [GN-0371-GG](#), [GN-0372-FF](#), [GN-0372-FG](#), [GN-0372-GG](#), [GN-0373-FJ](#), [GN-0373-JJ](#), [GN-0374-FJ](#), [GN-0374-JJ](#), [GN-0375-FJ](#), [GN-0375-JJ](#), [GN-0376-FF](#), [GN-0376-FG](#), [GN-0376-FJ](#), [GN-0376-GG](#), [GN-0376-JJ](#), [GN-0377-PFF](#), [GN-0377-PFG](#), [GN-0377-PFJ](#), [GN-0377-PGG](#), [GN-0377-PJJ](#)

Last Updated on 2024-01-16

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."



Certificate of Compliance

This certificate is issued for the following:

Fire Service Water Control Valves (OS&Y and NRS Type Gate Valves)

Models: GN-0361-FF, GN-0362-FF, GN-0363-FF, GN-0364-FF, GN-0362-GG, GN-0363-GG, GN-0364-GG, GN-0362-FG, GN-0363-FG, GN-0364-FG, GN-0365-JJ, GN-0366-JJ, GN-0367-JJ, GN-0365-FJ, GN-0366-FJ, GN-0367-FJ, GN-0368-FF, GN-0369-FF, GN-0371-FF, GN-0372-FF, GN-0369-GG, GN-0371-GG, GN-0372-GG, GN-0369-FG, GN-0371-FG, GN-0372-FG, GN-0373-JJ, GN-0374-JJ, GN-0375-JJ, GN-0373-FJ, GN-0374-FJ, GN-0375-FJ

Prepared for:

SIBCA Electronic Equipment Co Ltd
Sole Proprietorship LLC, SIBCA Building behind Etisalat T&A Bldg
Khalidiya, PO Box 46944 Abu Dhabi
United Arab Emirates

Approval Standard: FM 1120, 1130 (April 1997)

Approval Identification: PR468185

Approval Granted: 31 January 2024

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

David B. Fuller
VP, Manager – Fire Protection
FM Approvals
One Technology Way
Norwood, MA 02062



Butterfly Valves

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, Abu Dhabi P.O. BOX 46944 United Arab Emirates

EX29149

Trademark and/or Tradename:



Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Butterfly Valve, Model(s): [GN-0381](#), [GN-0382](#), [GN-0383](#), [GN-0384](#), [GN-0385](#), [GN-0386](#), [GN-0387](#)

Last Updated on 2024-01-16

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."



Certificate of Compliance

This certificate is issued for the following:

Indicating Valves (Butterfly or Ball Type)

Models: GN-0385, GN-0386 and GN-0387

Prepared for:

SIBCA Electronic Equipment Co Ltd
Sole Proprietorship LLC, SIBCA Building behind Etisalat T&A Bldg
Khalidiya, PO Box 46944 Abu Dhabi
United Arab Emirates

Approval Standard: FM 1112 (December 2020)

Approval Identification: PR468185

Approval Granted: 31 January 2024

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink, appearing to read 'D.B. Fuller', written over a horizontal line.

David B. Fuller
VP, Manager – Fire Protection
FM Approvals
One Technology Way
Norwood, MA 02062



Check Valves

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, Abu Dhabi P.O. BOX 46944 United Arab Emirates

EX29147

Trademark and/or Tradename:



Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Swing, Model(s): [GN-0390](#), [GN-0391](#), [GN-0392](#), [GN-0393](#), [GN-0394](#), [GN-0395](#), [GN-0396](#), [GN-0397](#), [GN-0398](#), [GN-0399](#)

Last Updated on 2024-01-16

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."



Certificate of Compliance

This certificate is issued for the following:

Swing Check Valves

Models: GN-0393, GN-0397 and GN-0399

Prepared for:

SIBCA Electronic Equipment Co Ltd
Sole Proprietorship LLC, SIBCA Building behind Etisalat T&A Bldg
Khalidiya, PO Box 46944 Abu Dhabi
United Arab Emirates

Approval Standard: FM 1210 (June 2004)

Approval Identification: PR468185

Approval Granted: 31 January 2024

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink, reading 'D.B. Fuller', written over a horizontal line.

David B. Fuller
VP, Manager – Fire Protection
FM Approvals
One Technology Way
Norwood, MA 02062



Model PG01

File Number: EX27138

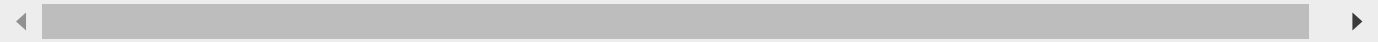
COMPANY

FLOWCOM MECHANICAL TECHNOLOGY (SHANGHAI) CO LTD
Unit 2-801, No. 2388 Xiupu Road,
Pudong
Shanghai, Shanghai Shi 201315 China

MODEL INFO

PG01
Bourdon tube type

PRODUCT INFORMATION			
Size, in. (mm)	Dial Graduations, psig (kPa)	Retard, psi (kPa)	Additional Features
4 (100)	0-300		



The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."



HISTORICAL

Sprinklers, Automatic and Open

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC
Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, Abu Dhabi P.O. BOX 46944 United Arab Emirates

EX29202

Sprinkler Identification Number (SIN) GH0301, GH0302,GH0311,GH0312,GH0321,GH0322,GH0331 , GH0332, GH0341 and GH0342 Glass Bulb Type.

UPRIGHT AND PENDENT STANDARD-SPRAY SPRINKLERS
NOMINAL 5.6 K-FACTOR

SIN	Response Type	Type	System Working Pressure, psig	Temp Rating, °F
GH0311	SR	Upright	175	135, 155, 175, 200, 286
GH0312	QR	Upright	175	135, 155, 175, 200, 286
GH0321	SR	Pendent	175	135, 155, 175, 200, 286
GH0322	QR	Pendent	175	135, 155, 175, 200, 286

STANDARD SIDEWALL-SPRAY SPRINKLERS

SIN	Response Type	Type	Nom K-Factor	System Working Pressure, psig	Temp Rating, °F
GH0301*#	SR	Horizontal	5.6	175	135, 155, 175, 200, 286
GH0302*#	QR	Horizontal	5.6	175	135, 155, 175, 200, 286

* - Installed 4 to 12 in. below ceiling.

- For ordinary hazard occupancies.

CONVENTIONAL (OLD STYLE) SPRINKLERS

SIN	Response Type	Nom K-Factor	Temp Rating, °F
GH0331	SR	5.6	135, 155, 175, 200, 286
GH0332	QR	5.6	135, 155, 175, 200, 286

FLUSH, RECESSED AND CONCEALED SPRINKLERS

SIN	Response Type	Type	Nom K-Factor	System Working Pressure, psig	Temp Rating, °F	
					Cover	Sprinkler
GH0341	SR	Conc. Pendent	5.6	175	135	135, 155
GH0341	SR	Conc. Pendent	5.6	175	165	175, 200
GH0342	QR	Conc. Pendent	5.6	175	135	135, 155
GH0342	QR	Conc. Pendent	5.6	175	165	175, 200

Last Updated on 2023-11-27

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."

Hydrants

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, Abu Dhabi P.O. BOX 46944 United Arab Emirates

EX29148

Trademark and/or Tradename:



Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Base-Valve Design, Model(s): [GE-0271](#), [GE-0272](#)

Wet-Barrel Design, Model(s): [GE-0281](#), [GE-0281A](#), [GE-0282](#), [GE-0282A](#)

Last Updated on 2024-01-16

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."



Certificate of Compliance

This certificate is issued for the following:

Fire Hydrant (Dry and Wet Barrel Type) for Private Fire Service

Models: GE-0271, GE-0272, GE-0281

Prepared for:

SIBCA Electronic Equipment Co Ltd
Sole Proprietorship LLC, SIBCA Building behind Etisalat T&A Bldg
Khalidiya, PO Box 46944
Abu Dhabi, United Arab Emirates

Approval Standard: FM 1510, 1511 (December 2021)

Approval Identification: PR466925

Approval Granted: 4 March 2024

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink, reading 'D.B. Fuller', written over a horizontal line.

David B. Fuller
VP, Manager – Fire Protection
FM Approvals
One Technology Way
Norwood, MA 02062



Proportioners, Foam Concentrate

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, Abu Dhabi P.O. BOX 46944 United Arab Emirates

EX29159

Trademark and/or Tradename:



Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

RATIO-FLOW CONTROLLER WITH BALANCED PRESSURE VALVE, Model(s): [GK-0542](#), [GK-0543](#), [GK-0544](#), [GK-0545](#)

RATIO-FLOW CONTROLLER WITH BLADDER TANK, Model(s): [GK-0541-2"](#), [GK-0541-3"](#), [GK-0541-4"](#), [GK-0541-6"](#), [GK-0541-8"](#)

Last Updated on 2024-01-16

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."

Centrifugal Fire Pumps, End Suction

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, P.O. BOX 46944 United Arab Emirates

EX29366

Trademark and/or Tradename: 

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Centrifugal Fire Pumps, End Suction, Model(s): [VES 100-200](#), [VES 100-250](#), [VES 100-315](#), [VES 40-250](#), [VES 50-250](#), [VES 65-250](#), [VES 80-200](#), [VES 80-250](#), [VES 80-315](#), [VESD 150-100-200](#), [VESD 150-100-315](#)

Last Updated on 2024-08-29

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."

Centrifugal Fire Pumps, Split Case

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, P.O. BOX 46944 United Arab Emirates

EX29365

Trademark and/or Tradename:



Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Centrifugal Fire Pumps, Split Case, Single Stage, Model(s): [VSC5-80-350](#), [VSC8-150-310](#), [VSC8-150-330](#), [VSC8-150-600](#),
[VSP125-290](#), [VSP150-290](#), [VSP150-360](#)

Last Updated on 2024-12-10

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2025 UL LLC."

Centrifugal Fire Pumps, Vertical Turbine

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, P.O. BOX 46944 United Arab Emirates

EX29440

View model for additional information

Centrifugal Fire Pumps, Vertical Turbine, Model(s): [SVT 10.8-16.9](#), [SVT 13.4-18.1](#), [SVT 3.1-5.7](#), [SVT 3.9-6.1](#), [SVT 4.9-7.1](#), [SVT 5.7-10.6](#), [SVT 5.9-10.4](#), [SVT 5.9-8.5](#), [SVT 6.3-9.0](#), [SVT 6.7-12.0](#), [SVT 7.3-13.2](#), [SVT 7.9-13.8](#), [SVT 8.9-15.7](#), [SVT 9.8-15.7](#)

Last Updated on 2024-10-15

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."

Cookies on UL Solutions

We use cookies to personalize content and ads, to provide social media features and to analyze our traffic. We also share information about your use of our site with our social media, advertising and analytics partners. [Learn more](#)

[Cookies Settings](#)

[Reject All](#)

[Accept All Cookies](#)

Metallic Sprinkler Pipe

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, P.O. BOX 46944 United Arab Emirates

EX29188

Trademark and/or Tradename:



Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Schedule Pipe, Model(s): 10, 40

Last Updated on 2024-12-10

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2025 UL LLC."

Reaction to Fire and Fire Resistance of Cables Evaluated in accordance with International Standards

COMPANY

SIBCA Electronic Equipment Company Limited-Sole Proprietorship LLC

Sibca Building, Al Khalidya Behind Etisalat T&A
Abu Dhabi, P.O. BOX 46944 United Arab Emirates

E541010

Trademark and/or Tradename: "SIBCA" ,

Note: For additional marking information, refer to the [Guide Information Page](#).*View model for additional information*

300/300 V, FIRE RESISTANT CABLES, Model(s): 2core 1 mm2, 1.5 mm2 & 2.5 mm2 with class 1 conductor, Cu/Silicone/Polyester tape/TC Drain wire/Al Foil Screened/Polyolefin sheathed

Last Updated on 2024-12-10

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2025 UL LLC."

E.1

LIST OF COMPLETED PROJECTS ABOVE 5 YEARS IN UAE / GULF



ADNOC- Ruwais Housing Complex



H.H Sheikhha Fathima Bint Mubarak Park



Abu Dhabi Future School Phase 7, Jebel Hafeet, Al Ain - UAE



Commercial Villa for Mrs. Sabha Hamad Mohammed Al Afari on Plot No. 25, Sector Me-12 Abu Dhabi - UAE



Thanaya Residential Building Plot C-17, Sector 48, Abu Dhabi UAE



Commercial Bldg. of Heirs of Khalfan Matar Al Rumaithi



46 Residential Villas at Zone MBZ, Sector No. Z17 – H.H. Sheikha Bin Zayed Bin Sultan Al Nahyan



Abu Dhabi Future School Phase 8, Package 7, Al Dhafer School, Al Ain-UAE



Abu Dhabi Future School Baniyas, Cycle 1 & Kg-UAE



Red Crescent Authority Al Ain Center at Al Ain Civic Center Sector



Hudayriyat Sports Complex



Farm Rest House, Al Rahba



NORTH AL MARYAH ISLAND (NAMI) ACTIVE SPORTS



RED CRESCENT COMMERCIAL MIXED USED BLDG., KHALIFA CITY



PRODUCTION FACTORY FOR EMIRATES PRINTING FORM EST. AT KIZAD



AL FORSAN INTERNATIONAL SPORTS RESORT DEVELOPMENT IN KHALIFA- KIDS & GYM PARK
CITY, ABU DHABI - UAE



EMBASSY OF THE REPUBLIC OF INDONESIA
PLOT ADDRESS 42, SECTOR W59_2 - ABU DHABI



IRIS DATA CENTER - KIZAD ABU DHABI



EMIRCOM DATA CENTER-5 AL MARKAZ, ABU DHABI - UAE



2F2 ETIHAD RAIL - FREIGHT FACILITIES - DIC & ADP



MORO 2.0 DATA CENTER, DUABI UAE



REST HOUSE PHASE – 3, ABU DHABI



MARYAM GATE RESIDENCES – MARYAM ISLAND, SHARJAH



5 STAR HOTEL & HOTEL APARTMENT DEVELOPMENT IN RAKSS



NMC HOSPITAL EXTENSION PLOT NO. 598-1826 DIP 1S



ROXY CINEMA AT DUBAI HILLS MALL



CROWN PLAZA HOTEL PROJECT



MAJOR PROJECTS



Cleveland Clinic– Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, VESDA System, Air Pressure Monitoring System



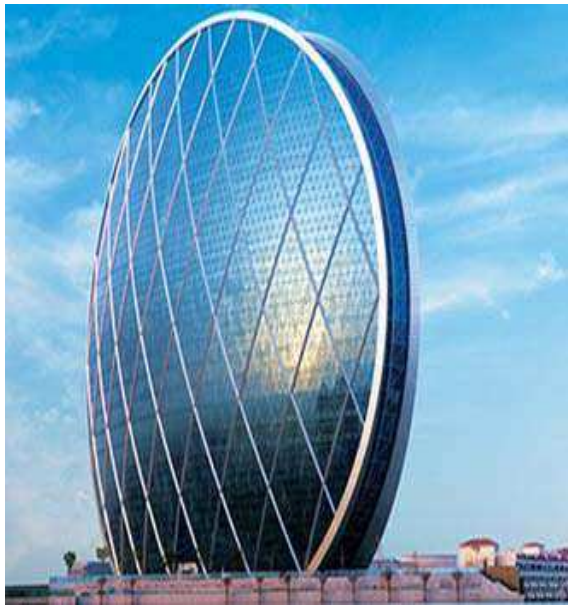
Central Market – Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System,
CO Detection System, VESDA System, Disabled Toilet Alarm System

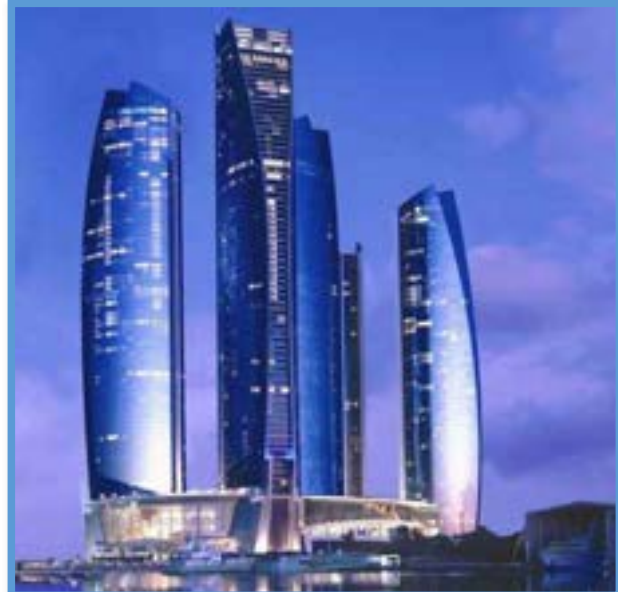


Landmark Tower – Abu Dhabi

Integrated Fire Alarm with Voice
Evacuation System



Al Dar Head Quarters – Abu Dhabi
Central Battery System



Etihad Towers – Abu Dhabi
Integrated Fire Alarm with Voice Evacuation System,
Lighting Control System



Galleria Mall – Abu Dhabi
Integrated Fire Alarm with Voice Evacuation
System, BTU Metering System



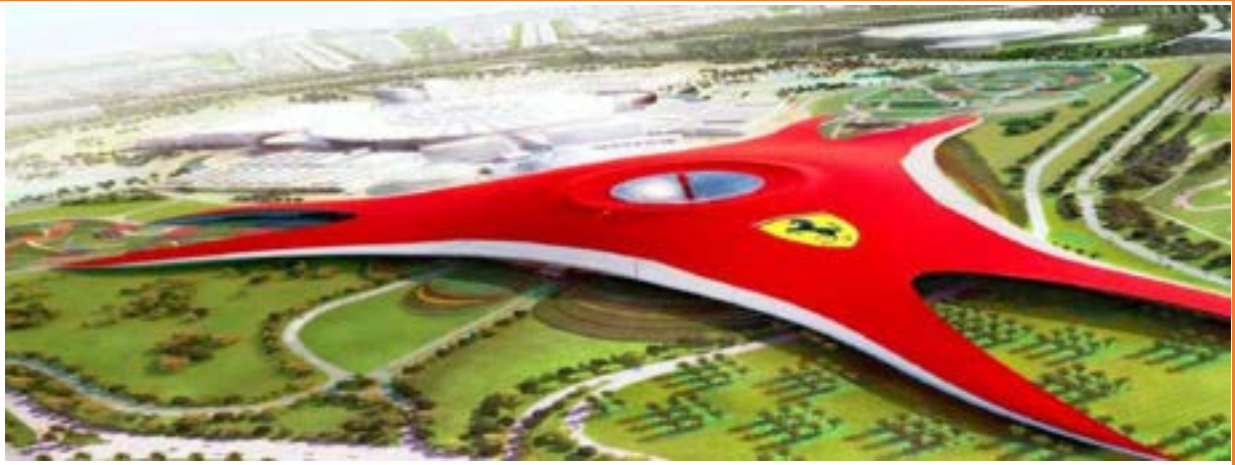
ADIB Headquarters – Abu Dhabi
Integrated Fire Alarm with Voice Evacuation System,
Central Battery System, VESDA System



Mushrif Mall – Abu Dhabi
Fire Alarm System, Public Address & Voice
Evacuation System, CO Detection System,
Background Music System, Building Management
System, BTU Metering System



Mushrif Park – Abu Dhabi
Fire Alarm System



Ferrari World – Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, VESDA System, Disabled Toilet Alarm System, Lighting Control System



Yas Water Park – Abu Dhabi

Fire Alarm System, Disabled Toilet Alarm System



Saraya Towers – Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, CO Detection System, Central Battery System, Lighting Control System, Building Management System, BTU Metering System



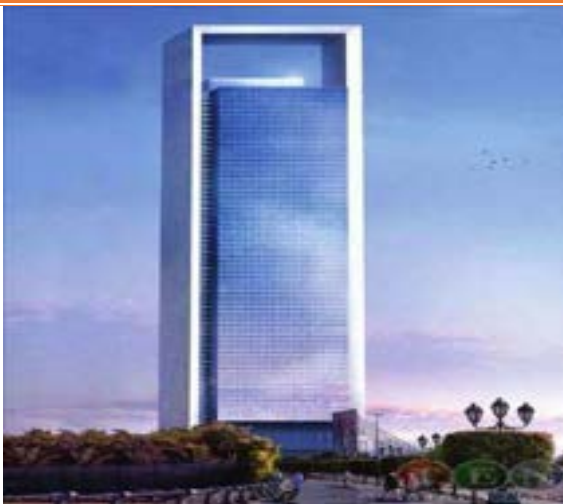
Sun & Sky Towers – Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, Lighting Control System, Building Management System, CO Detection System



Shams Gate Towers – Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, Public Address & Background Music System, Lighting Control System, Building Management System, CO Detection System



ADNOC Headquarters – Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, Exit Lights



Bab Al Qasr – Abu Dhabi

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Central Battery System, Building Management System, CO Detection System



Grand Hyatt Hotel – Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, VESDA System



Shining Towers – Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, CCTV System



Masdar Headquarters
Central Battery System



Masdar Institute of Science & Technology
Integrated Fire Alarm with Voice Evacuation System, Central Battery System,
Venturi Valve Air Flow Control System



Abu Dhabi Emirates Palace
Master Clock with Geochron



Ritz Carlton Abu Dhabi
Integrated Fire Alarm with Voice Evacuation System, Lighting Control System



Monte Carlo Beach Club Abu Dhabi
Integrated Fire Alarm with Voice Evacuation System, Central Battery System



Hilton Capital Grand - Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, Lighting Control System



Al Forsan Hotel – Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, Disabled Toilet Alarm System, CO Detection System



Aloft Hotel - Abu Dhabi

Fire Alarm System, Public Address, Voice Evacuation & Background Music System, Building Management System



Centro Rotana - Abu Dhabi

Fire Alarm System, CO Detection System, Public Address, Voice Evacuation & Background Music System, Building Management System



Liwa Tower - Abu Dhabi

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Lighting Control System, Building Management System



Finance House Head Quarter Building - Abu Dhabi

Fire Alarm System, Public Address Voice Evacuation & Background Music System, CO Detection System, Lighting Control System, Building Management System



ADNEC Tower - Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, Guest Room Management System, CO Detection System



Abu Dhabi Court House

Integrated Fire Alarm with Voice Evacuation System



Bawabat Al Sharq Mall

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Lighting Control System, Building Management System



MARRIOTT AND MARRIOTT EXECUTIVE APARTMENTS

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, Disabled Toilet Alarm System, CO Detection System



Etihad Crew Briefing Centre

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Lighting Control System, Building Management System



Bateen Airport

Fire Alarm System, Public Address Voice Evacuation & Background Music System



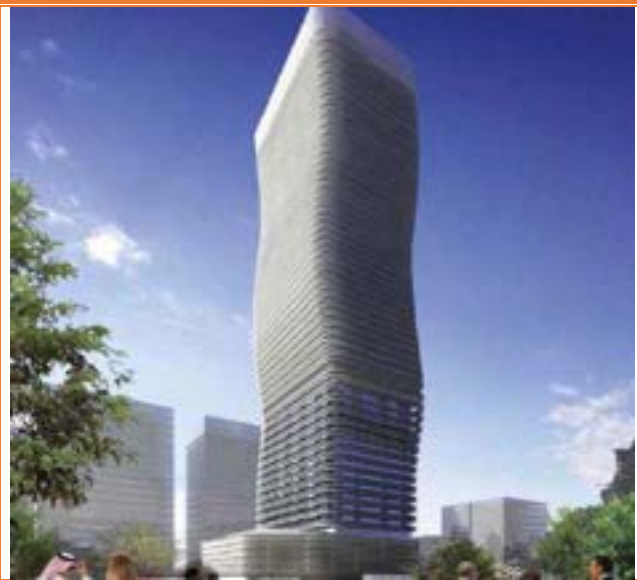
Petroleum Institute & Research Centre

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Central Battery System, Disabled Toilet Alarm System



IPIC Tower

Integrated Fire Alarm with Voice Evacuation System, CO Detection System, Lighting Control System, Building Management System



Seba Tower

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Lighting Control System, Building Management System



Borouge Innovation Centre

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Building Management System, Venturi Valve Air Flow Control System



Rosewood Hotel Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, Disabled Toilet Alarm System, CO Detection System



Cranleigh School

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, Energy Monitoring System, BTU Metering System



Al Sila Hospital

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, Lighting Control System, Venturi Valve Air Flow Control System



Burjeel Hospital – Abu Dhabi

Fire Alarm System, Public Address Voice Evacuation & Background Music System, CCTV, Lighting Control System, Access Control System, Building Management System



Mafraq Hospital

Integrated Fire Alarm with Voice Evacuation System, VESDA System, Venturi Valve Air Flow Control System



Shk. Khalifa Medical City

Public Address & Background Music System



Al Bateen Complex
Building Management System



Al Bandar Abu Dhabi
Integrated Fire Alarm with Voice Evacuation System, Central Battery System, Access Control System, Gate Barrier System, CCTV System, Intercom System, Lighting Control System , Building Management System



Khalidiya Palace Rotana
Integrated Fire Alarm with Voice Evacuation System, Lighting Control System, Building Management System



JW Marriott Hotel and SPA - Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, CO Detection System, Lighting Control System



FI Race Track

Fire Alarm System



Liwa Suites Hotel – Abu Dhabi

Fire Alarm System, Public Address Voice Evacuation & Background Music System, CCTV System



Gloria Down Town Hotel – Abu Dhabi

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Building Management System



Abu Dhabi Financial Centre
Integrated Fire Alarm with Voice Evacuation System



Abu Dhabi Marina Mall
Fire Alarm System, Public Address & Background Music System, SMATV System, Structured Cabling System, Building Management System



ADMA OPCO
Integrated Fire Alarm with Voice Evacuation System



Ruwais Mall

Fire Alarm System, Public Address System, Central Battery System, Structured Cabling, Disabled Toilet Alarm System, Master Clock System, Lighting Control System, Building Management System, BTU Metering System



Park Hyatt Abu Dhabi

Public Address & Background Music System, Central Battery System



Arzanah Medical Center

IP based Public Address & Background Music System



Community Mall

Fire Alarm System, Public Address & Background Music System, Central Battery System



FGB Headquarters

Public Address & Background Music System, Lighting Control System, Building Management System



Nation Riviera

Central Battery System



Global Indian International School

Fire Alarm System, Public Address with Voice Evacuation & Background Music System, CCTV System, Structured Cabling System, Building Management System



Four Seasons Hotel Abu Dhabi

Fire Alarm System, Public Address & Background Music System, Central Battery System, CCTV System, Access Control System, Building Management System, Lighting Control System, CO Detection System



ABU DHABI MARINA CITY DEVELOPMENT VILLAS & RESIDENTIAL TOWERS

Integrated Fire Alarm with Voice Evacuation System, Central Battery System



Amity International School

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Central Battery System, Access Control System, Time & Attendance System, Gate Barrier, Lighting Control System



Al Basma British School

Integrated Fire Alarm with Voice Evacuation System, Central Battery System



Al Shohub School

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Central Battery System



IBIS Novotel

Public Address Voice Evacuation & Background Music System, Audio Visual System



Ladies Club – Abu Dhabi

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Central Battery System



ADNOC - Ruwais Hospital

Integrated Fire Alarm with Voice Evacuation System, VESDA System, Central Battery System, Building Management System,



ADNOC - Ruwais New Guest House

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Central Battery System, Disabled Toilet Alarm System, Guestroom Management System



ADNOC Technical Institute (Students Hostel)

Fire Alarm System, Public Address System, CCTV System, Access Control System, Master Clock System



Glenelg School

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Self-contained Emergency Lighting System, Structured Cabling, CCTV System, Master Clock System, Building Management System



Ruwais New International School Complex – Primary Section

Fire Alarm System, Public Address & Voice Evacuation System, Central Battery System, Audio Visual System, CCTV System, Access Control System, Master Clock System, SMATV System, Structured Cabling System, Lighting Control System, Building Management System



Ruwais New International School Complex – Secondary Section

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Central Battery System, Audio Visual & Stage Lighting System, CCTV System, Access Control System, Key Management System, Leak Detection System, Master Clock System, Building Management System, Lighting Control System, Disabled Toilet Alarm System, Structured Cabling System, IPTV System, Digital Signage System



Qusahwira Phase I

Fire Alarm System, Public Address System, VESDA System, Nurse Call System, Audio Visual System, SMATV System, Lighting Control System, Building Management System



Chinese School – Abu Dhabi

Public Address Voice Evacuation & Background Music System, Central Battery System



Zone K Yas Island

Fire Alarm System, Central Battery System



Khalifa University New Extension

Fire Alarm System, Public Address Voice Evacuation & Background Music System, Central Battery System, Disabled Toilet Alarm System, VESDA System, Intruder Alarm System, Venturi Valve Air Flow Control System



Abu Dhabi Trade Centre

Fire Alarm & Voice Evacuation System, Public Address & Background Music System, Central Battery System, Lighting Control System, Building Management System, CO Detection System



Medeor 24x7 Hospital - Abu Dhabi

Fire Alarm & Voice Evacuation System, Public Address & Background Music System, Central Battery System



National Rehabilitation Centre

Fire Alarm System, Public Address Voice Evacuation & Background Music System, CCTV System, Access Control System, Intercom System, Structured Cabling System, Disabled Toilet Alarm System



Abu Dhabi Refinery
Public Address with General Alarm System



Ruwais Refinery
Fire Alarm System, HVAC Control System



Borouge 3 Non-Process Buildings
Fire Alarm System, Lighting Control System



Terminal 3 Abu Dhabi Airport – Etihad Lounge

Fire Alarm System, Public Address & Background Music System, Lighting Control System



Reach British School – Abu Dhabi

Public Address Voice Evacuation & Background CCTV System, Master Clock System, Building Management System



LULU Mall - Baniyas

Fire Alarm System, Public Address & Background Music System, CCTV System, Building Management System



Saadiyat Rotana Hotel & Resort Complex

Fire Alarm System, Public Address & Background Music System, CO Detection System, Guest Room Management System



Saadiyat Island Resort Development

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, CO Detection System



Garden Plaza

Fire Alarm System, Public Address, Voice Evacuation & Background Music System, Central Battery System, CCTV System



Bateen Marina Resort Development

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, CO Detection System, Building Management System, Disabled Toilet Alarm System



United Square – Khalidiya Abu Dhabi

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, CO Detection System, Building Management System



Shk. Zayed Grand Mosque Visitors Centre

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, CO Detection System



Hydra Avenue C4, C5, C6 Towers – Reem Island

Integrated Fire Alarm with Voice Evacuation System



Addax Tower – Reem Island

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, Lighting Control System, Building Management System, CO Detection System, Access Control System, CCTV System, Gate Barrier System



Repton School Phase I – Reem Island

Integrated Fire Alarm with Voice Evacuation System, Central Battery System, Disabled Toilet Alarm System, Building Management System



Hydra Avenue C7, C8, C9 Towers – Reem Island

Integrated Fire Alarm with Voice Evacuation System, CO Detection System, Central Battery System



Repton School Phase II – Reem Island

Fire Alarm System, Public Address & Voice Evacuation System, Central Battery System, Disabled Toilet Alarm System, Lighting Control System



Abu Dhabi Future School Projects

Fire Alarm System, Public Address & Voice Evacuation System, Central Battery System, Disabled Toilet Alarm System, Access Control System, CCTV System, Gate Barrier System, Lighting Control System, Energy Monitoring System, Building Management System



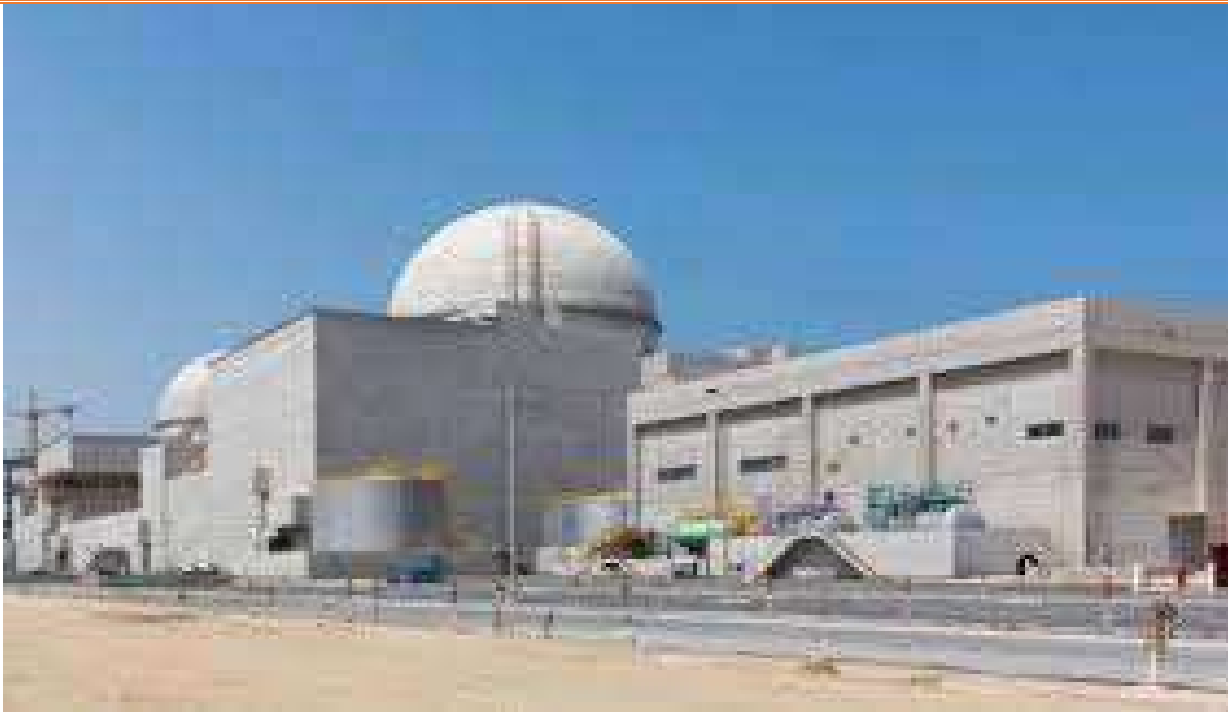
Beach Towers

Integrated Fire Alarm with Voice Evacuation System, Intercom System, BTU Metering System, Building Management System



Khazna Data Center

Fire Alarm System, VESDA System, Building Management System, Leak Detection System



Taweelah Nuclear Power Plant

Public Address & General Announcement System