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**VIGIL CRAFT
(PVT) LIMITED**

VIGIL CRAFT (PVT) LIMITED

Fire Fighting Equipment Manufacturer

ABOUT US

Who are we?

Vigil Craft Private Limited is a company of Shaheen Group, who have been manufacturing firefighting equipment & special purpose vehicle since 2008, VCPL is newly established to take care for the pumping and Extinguisher business. Shaheen has been one of the important manufacturers of fire fighting & special purpose vehicle in Pakistan. The company has been working on the development and manufacturing of new products and materials on pumps & special vehicles.

What We Do?

Vigil Craft is now dedicatedly producing lines of Fire Fighting Equipment that includes Fire Extinguishers, Fire Pumps & Fire Trucks at our state of the art manufacturing facility, equipped with CNC machines, testing units, Hydraulic pressing Shop, Cutting, bending and milling shops. We design, manufacture, test and install the equipment.

Our Mission:

As a company, we are determined to deliver the highest quality of products and services, in line with our mission. Continuous and rigorous improvement in all aspects is the focus of our company as we strive to provide a healthy work environment, use environment sensitive and friendly technologies to combat disasters and manage them while effectively decreasing fire & physical pollution. With our work, we are dedicated to balance the environment around us in the best possible way.

Our Leadership:

We believe in collective leadership.

OUR MAJOR CLIENTS



FIRE EXTINGUISHERS:

Whether you work in an office building, commercial premises, warehouse environment or industrial site, or even for your home, having the right type of fire extinguisher in the right location is essential.

We offer a range of fire extinguishers to suit specific firefighting applications, including Carbon Dioxide (CO₂), Water, Foam & Wet Chemical, FM200, NOVEC, Dry Chemical Powder and Mobile Extinguisher products.

DRY CHEMICAL POWDER (DCP) FIRE EXTINGUISHERS:

The DCP Fire Extinguisher are in common use and great for the Home, Car or Caravan. It is one of the smallest of our range of fire extinguishers, but still packs enough power to handle a small fire. This is a compact fire extinguisher and is ideal to place in your car, boat or caravan and it comes along with a steel mounting vehicle bracket. This is also great to have around for those small business owners who want a fire extinguisher near the office kitchenette or in storage areas. Highest quality ABC Powder is used in our Fire Extinguishers. Our Fire Extinguishers are CE marked against BS EN3 Standards.

Product Code	SG-03A-01	SG-06A-01	SG-12A-01	SG-042B-01	SG-047B-01
OUT-Diameter(mm)	Ø130	Ø160	Ø190	Ø250	Ø300
Cylinder Height (mm)	308	427	503	661	918
Cylinder Weight (kg)	1.56	2.82	4.19	10.5	20
Extinguisher Weight	5	9	16.8	55	92
Volume (L)	4.25	9	14.80	33.5	67
Filling Charge	3KG, ABC 60%	6KG, ABC 60%	12KG, ABC 60%	25KG, ABC 60%	50KG, ABC 60%
Temperature Range (C)	-20~+60	-20~+60	-20~+60	-30~+55	-30~+55
Working Pressure (Bar)	15	15	15	15	15
Test Pressure (Bar)	25	25	25	35	35
Material	DC 01	DC 01	DC 01	HP 245	HP 245
Fire Rating	21A 70B:C	34A 183B:C	55A 233B:C	55A IIB	55A IVB

DRY CHEMICAL POWDER (DCP)



CARBON DIOXIDE (CO₂) FIRE EXTINGUISHERS

CO₂ extinguishers are ideal for places with a lot of electrical equipment such as offices or server rooms because they are safe to use on fires involving electrical apparatus. Carbon dioxide extinguishers do not leave any residue, unlike a foam extinguisher. They can also be used on Class B fires, those involving flammable liquids such as paraffin or petrol. CO₂ extinguishers work by smothering the fire and cutting off the supply of air.

Product Code	SG-03D-03	SG-05D-03	SG-051C-03	SG-062C-03
OUT-Diameter(mm)	Ø111	Ø159	Ø165	Ø203
Cylinder High(mm)	475	580	915	1160
Cylinder Weight (kg)	4.0	8.26	20.5	38
Extinguisher Weight	6.9	13.8	36	88
Volume (L)	4.5	7.5	15	30
Filling Charge	3Kg CO ₂	5Kg CO ₂	10Kg CO ₂	20KgCO ₂
Temperature range (C)	-30C~+60C	-30C~+60C	-30C~+60C	-30C~+60C
Working Pressure (bar)	174	174	174	174
Test Pressure (bar)	250	250	250	250
Material	34CrMo4	A6061	34CrMo4 Steel	34Cr Mo4 steel
Fire Rating	34B	89B	183B	233B



CARBON DIOXIDE (CO₂) FIRE EXTINGUISHERS



FOAM FIRE EXTINGUISHERS:

Foam fire extinguishers can be used on Class A and B fires. They are most suited to extinguishing liquid fires such as petrol or diesel and are more versatile than water jet extinguishers because they can also be used on solids such as wood and paper. The foam extinguishes liquid fires by sealing the surface of the liquid, preventing flammable vapor reaching the air and starving the fire of fuel.

Product Code	SUC-06F-02	SG-12F-01	SG-50F-01	SG-100F-01
OUT-Diameter(mm)	Ø 160	Ø172	Ø250	Ø300
Cylinder High(mm)	433	490	661	918
Cylinder Weight (kg)	2.8	3.77	10.5	20
Extinguisher Weight	9.5	15.4	55	92
Volume (L)	9.0	12.5	32	67
Filling Charge	6L AFFF 3%	9L AFFF3%	25L AFFF3%	50L AFFF3%
Temperature range (C)	+5C~+60C	-20C ~+60C	-30C~+55C	-30C~+55C
Working Pressure (bar)	15	15	15	15
Test Pressure (bar)	25	25	35	35
Range Of Discharge	3-5Mtr	4-6Mtr	6-8Mtr	8-10Mtr
Length of HOSE	N.A	N.A	7Mtr	7Mtr
Material	MS/SS	MS/SS	MS/SS	MS/SS
Fire Rating	13A 144B	55A 233B	IVB	IVB

FOAM FIRE EXTINGUISHERS



FM -200 EXTINGUISHING AGENTS:

The extinguishing agent is stored as a liquefied gas in small pressurized cylinders which can be installed anywhere. This cylinder is connected to a very simple distribution network and a manual release rapid discharge valve connected to a fire detection system. Its quality complies with the global standards and regulations: ISO 14520, UNE 15004 and NFPA 2001

HOW IT WORKS?

FIRE DETECTION:

Fire is detected automatically by electrical, mechanical or pneumatic means. The temperature rise triggers the electrical detectors in the first case, breaks the fusible link in the second case or, finally, bursts the pneumatic tube. The signal is then sent to the control panel, which proceeds to activate the equipment.

System Activation:

Activation, in turn, can be automatic or manual. If automatic, it is triggered in the fire panel. If manual, the user pulls the actuator in case of emergency, thus activating the extinguishing system.

Hazard Extinguishing:

Once the nozzles discharge the extinguishing agent, it works by interrupting the chain reaction of the combustion process. In turn, it transfers the physicochemical heat and absorbs heat from the flame and fuel (endothermic break point). It takes a few seconds for the agent to discharge, quickly flooding the protected enclosure and ensuring effective extinguishing.



FM -200 EXTINGUISHING AGENTS



FM-200 HC-227 EXTINGUISHING AGENT:

The use of FM-200 HC-227 is suitable for a wide variety of hazards. Among the most widespread applications, it is ideal for use in occupied areas such as: computer rooms, telecommunications, offices, archives and museums; but also warehouses, petrochemical facilities, electrical fires, electrical panels and explosion suppression.

Advantages:

- Low design concentration and the best performance by both mass and volume.
- High extinguishing power and speed, to prevent fire growth and spread.
- Minimizes damage and prevents re-ignition due to high dispersion in all directions.

VC-227 at 25 BAR

CYLINDERS CAPACITY (L)

6.7	13.4	25	41	61	84	101
127	150	180	240	368	451	514

* 2 and 4.7 liter bottles are available in VC SMS

CYLINDERS CAPACITY (lb)

15	30	55	95	140	195	235
290	345	415	555	850	1040	1185

* 5 y and 119 lbs bottles are available in VC SMS

VC-227 at 42 BAR

CYLINDERS CAPACITY (L)

6.7	13.4	26.8	40.2	67	80	100	120	180
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* 2 and 4.7 liter bottles are available in VC SMS

CYLINDERS CAPACITY (lb)

17	34	65	100	170	200	250	300	455
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* 5 y and 119 lbs bottles are available in VC SMS



FM -200 HC-227 EXTINGUISHING AGENT



NOVEC:

Fire extinguishers are marketed for both modular and bank systems. We have the largest range of capabilities to offer complete protection regardless of the size of the hazard. All systems are pressurized with dry nitrogen (at 25 or 42 bar). This pressure variability allows moving storage away from risks and handling complex circuits.

How Does It Works?

FK 5-1-12 is an extinguishing compound similar to water in appearance, with special properties that make it suitable for the protection of sensitive property. Its use is limited to combustible solid, flammable liquid and energized electrical fires. Installation is conventional at low pressure and with little need for storage space. Pressurization with dry nitrogen, coupled with low-power of vaporization, ensures very fast change of phase in the nozzles and discharge in the premises, with a low design concentration (% vol.) required for total extinguishing. With respect to user protection, it is worth noting that the FK 5-1-12 agent has a high safety margin due to its low design concentration as compared to the maximum no-observed adverse effect level (NOAEL) for occupants.

Applications:

- Museums and art galleries
- Archives and libraries
- Telecommunication systems
- Computer rooms
- DPC's
- Clean rooms



NOVEC



WATER MIST EXTINGUISHING AGENT:

The benefits of water as a firefighting agent thanks to its ecological and clean character, combined with the adaptability of all components and overcoming the most demanding tests, making it one of the means of protection against the most demanding fire and fastest growing, fulfilling the following purposes depending on your application.

Principal:

- The key principle of fire suppression with water mist is COOLING, drastically reducing the fire heat.
- The smaller droplet size, compared to traditional equipment, results in a larger exchange surface, which enhances the absorption of heat energy and generates greater amounts of vapor, which results in an additional effect of Oxygen Displacement.

Application Method:

Depending on the application to be protected, VC designs its equipment for dry pipe, pre-action or wet pipe systems. DRY PIPE systems are those which are empty of water prior to detection and activation. They are installed with open nozzles. This mechanism can also be installed with closed nozzles, in which case it becomes a pre-action system. The pipe is filled with water after fire detection, but the nozzle discharges only when the temperature increases (as a result of the fire) and the heat-sensitive bulb of the spray nozzle breaks. This prevents false alarms and water mist is discharged only in the fire-affected area.

Diesel Pump set:

VC-WMTM is our water mist system that uses a diesel driven pump to propel the agent. This positive displacement pump can be operated automatically or manually to activate the firefighting system, which may consist, in turn, of one or more main pumps depending on the required flow. Installations where water needs to stay in the pipe (wet pipe systems) also feature a jockey pump.



WATER MIST EXTINGUISHING AGENT



Approvals:

VCPL has successfully achieved ISO quality management system certified by European Union Safety Standards. Further we have achieved product certification from Engineering Development Board – Pakistan for our Fire Extinguishers, Fire hose reels, Centrifugal fire pumps, Diesel Driven Fire pumps, PTO Fire Pumps.

Engineering Capabilities:

VCPL is backed by a team of professionals who are well qualified and specialized in their respective field viz - Design, Development, Production and Project Implementation. Our investment in applied research and development program concentrates on innovations which meet customer needs.

Quality Systems:

VCPL is certified to ISO-9001 Quality system by American Global Standards. Our manufacturing processes are based on a quality system that ensures the use of raw material confirming to relevant International Standards. Our in-process production is monitored by work standards & quality plans confirming to relevant International standards enabling us to deliver quality products.



APPROVALS, ENGINEERING CAPABILITIES & QUALITY SYSTEMS



CERTIFICATES





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