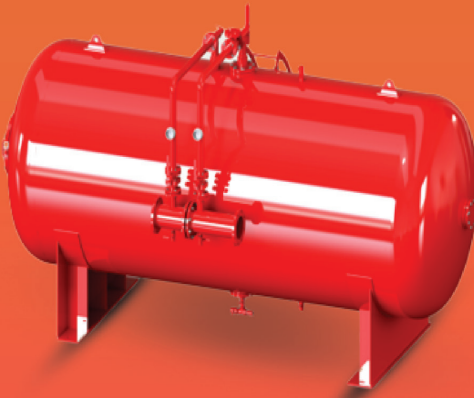


FOAM BLADDER





EFFICIENT FIRE SUPPRESSION:
CHOOSE SIBCA'S FOAM
BLADDER SOLUTIONS

INTRODUCTION

SIBCA's Foam Bladder Tanks are sturdy steel vessels designed to store, mix and deliver foam agents precisely and automatically while minimizing waste. Using water pressure to create pressure, the foam agent is effectively released from the tank. Certified to global standards, these tanks come in vertical and horizontal options to meet various needs. Made from durable stainless steel or metal alloy, they can be resized to match specific requirements. Covered with protective paint, they withstand harsh weather and maintain peak performance in challenging conditions.



**OUR GOAL IS TO
ENHANCE GLOBAL
SAFETY**

To support SIBCA's vision of enhancing global safety, it has allotted a 40,000 square meter manufacturing facility with the state-of-the-art technology to meet global standards and requirements.

■ Focus on High Quality

SIBCA products have undergone rigorous certification and listing processes, receiving approval from esteemed organizations such as Underwriters Laboratories (UL) in the United States and the British Standards Institution (BSI) in Europe. Moreover, these products are manufactured adhering to stringent international quality and environmental management standards and requirements. This commitment ensures that SIBCA maintains consistently high levels of product excellence and sustainability throughout its manufacturing processes.

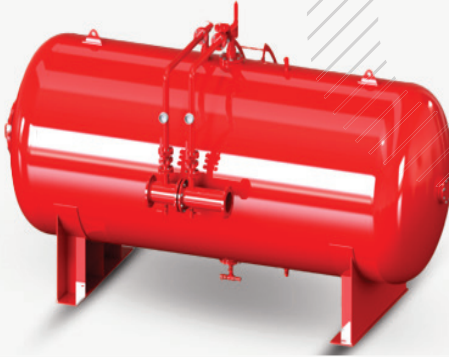
■ Cost Effective & Practical

SIBCA systems are pre-engineered and require minimal maintenance costs throughout certified product life. Their compact design makes them an ideal solution for even the most technically challenging projects.

■ Support & Expertise

SIBCA aligns its products with the latest information on fire engineering standards and applications, backed by worldwide support. SIBCA's extensive global distribution network consists of proficient and certified professionals who are prepared to handle the design, supply, installation, and maintenance of the complete range of SIBCA products.

FOAM BLADDER TYPE - HORIZONTAL



Technical Specifications

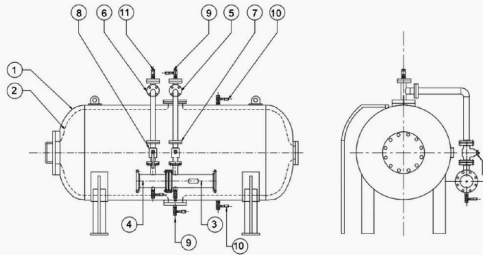
Model	Horizontal Bladder Tank
Brand	SIBCA
Approval	UL Listed (EX29159)
Design Code (Foam Vessel)	ASME SEC.VIII DIV.1
Nominal Capacity	200-20,000L (52-5,283 Gallons)
Mounting	Horizontal on Saddle Supports (2 Nos.)
Service	Fire Water / Foam Concentrate
Rated Pressure	12.06 Bar
Service Temperature	49°C (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.)

FOAM BLADDER TYPE - VERTICAL

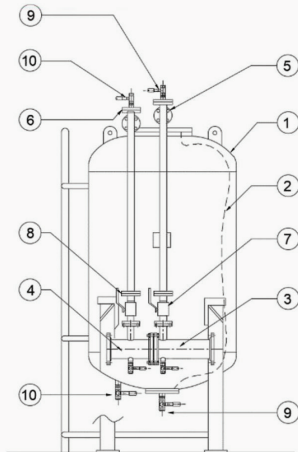


Technical Specifications

Model	Vertical 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)
Mounting	Vertical on Leg Supports (4 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.)

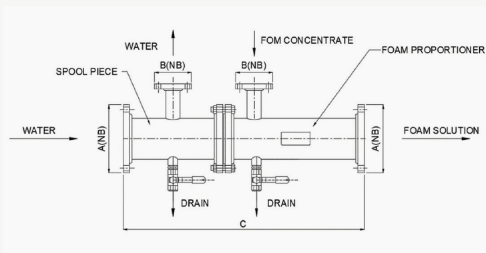


Material Specifications



Material Specifications

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



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



سيكا
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Fire Fighting Equipment Manufacturers

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