



over **30** years of  
experience  
since 1990

**Valve Cylinder Assemblies  
and Accessories**

**CATALOGUE**

**CERTIFIED  
SAFETY  
PASSION**

# FIRE EXTINGUISHING SYSTEMS

SHTE® 125 - SHTE® 227 - SHTE® 1230



42bar **V20**

42bar **V25**

42bar **V40**  
60bar **V40**

25bar **V65**



Certified to EN 12094-4, -8, -13  
LPCB Ref. No. 969a



GAQF Ex6264  
GAR22 Ex6694

## V20

### Valve Cylinder Assemblies @42bar

AGENT	CYL. SIZE (L)	ASSEMBLY HEIGHT [mm]	CYL. EXT. Ø [mm]	PART NUMBER
SHTE® 125	5	615	140	SH70025410UL
	13,4	1250	140	SH70025409UL
	26,8	1000	229	SH70025408UL
SHTE® 227	5	615	140	SH70027410UL
	13,4	1250	140	SH70027409UL
	26,8	1000	229	SH72527408UL
SHTE® 1230	5	615	140	SHFKBCA005UL
	13,4	1250	140	SHFKBCA013UL
	26,8	1000	229	SHFKBCA026UL



## V25

### Valve Cylinder Assemblies @42bar

AGENT	CYL. SIZE (L)	ASSEMBLY HEIGHT [mm]	CYL. EXT. Ø [mm]	PART NUMBER
SHTE® 125	40,2	1370	229	SH70025407UL
	67,5	1625	267	SH70025412UL
SHTE® 227	40,2	1370	229	SH70027407UL
	67,5	1625	267	SH70027412UL
SHTE® 1230	40,2	1370	229	SHFKBCA040UL
	67,5	1625	267	SHFKBCA067UL



# V40

## Valve Cylinder Assemblies @42bar

AGENT	CYL. SIZE (L)	ASSEMBLY HEIGHT [mm]	CYL. EXT. Ø [mm]	PART NUMBER
SHTE® 125	75	1785	267	SH70025405UL
	100	1460	358	SH70025404UL
	120	1680	358	SH70025403UL
SHTE® 227	75	1785	267	SH70027405UL
	100	1460	358	SH70027404UL
	120	1680	358	SH70027403UL
SHTE® 1230	75	1785	267	SHFKBCA075UL
	100	1460	358	SHFKBCA100UL
	120	1680	358	SHFKBCA120UL
	140*	1880	360	SHFKBCA140UL
	160*	1980	360	SHFKBCA160UL
	* @60bar	180*	2285	360



# V65

## Valve Cylinder Assemblies @25bar

AGENT	CYL. SIZE (L)	ASSEMBLY HEIGHT [mm]	CYL. EXT. Ø [mm]	PART NUMBER
SHTE® 125	175	1540	445	SH70025414UL
	240	1945	445	SH70025415UL
SHTE® 227	175	1540	445	SH70027414UL
	240	1945	445	SH70027415UL
SHTE® 1230	175	1540	445	SHFKBCA175UL
	240	1945	445	SHFKBCA240UL



# ACCESSORIES

## • CHECK VALVES



## • NOZZLES



## • ACTUATION



## • HOSES





# SHTE'S ESTINGUISHANTS

## SHTE® 125

• SHTE 125 is identified in the NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems as HFC-125. At the normal design concentrations, it can be safely used to protect normally occupied areas. SHTE 125 does not require the clean-up of the protected enclosure after use. It is electrically non-conductive media; it can therefore be used to protect electronic and delicate equipment. The low design quantity and the availability of seamless cylinders pressurized at 42 bars make the retrofit of Halon 1301 systems possible in many situations.

## SHTE® 227

• SHTE 227 is identified in the NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems as HFC-227ea. At the normal design concentrations, it can be safely used to protect normally occupied areas. SHTE 227 does not require the clean-up of the protected enclosure after use. It is electrically non-conductive media; it can therefore be used to protect electronic and delicate equipment. It has been used for decades and is by far the most widely used and universally accepted halocarbon agent.

## SHTE® 1230

• SHTE 1230 is identified in the NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems as FK 5-1-12. At the normal design concentrations, it can be safely used to protect normally occupied areas. SHTE 1230 does not require the clean-up of the protected enclosure after use. It is electrically non-conductive media; it can therefore be used to protect electronic and delicate equipment. With a 1-day atmospheric lifetime and nearly zero Global Warming Potential, SHTE 1230 is the most sustainable halocarbon agent available in the market today.

## TYPICAL APPLICATIONS

- **Telecommunication facilities**
- **Control rooms**
- **Computer rooms**
- **Laboratories**
- **Museums**
- **Substations**
- **Machinery spaces**
- **Archives**
- **Turbines**
- **Energy storage**



# SHTE'S NETWORK

All our world distributors are UL Approved/Audited "Alternate Manufacturing Locations (AML)" for UL File EX 6264 that covers all SHTE® Clean Agent Fire Suppression Systems. Such Companies are responsible for filling, leak testing, nozzle drilling and applying the UL Mark (cylinder label) on our systems.

We supply them with the empty systems (cylinder assemblies and accessories like actuators, nozzles, hoses, check valves and other small components) and agents in bulk tanks. They always keep stocks of our systems and fire suppressants. UL perform quarterly inspections at their sites, check filling logs, calibration certificates of filling equipment, make sure a leak test with a UL Recognized Leak Detector is performed on every cylinder, and that they follow other technical procedures as per UL requirements.

Our world distributors have the UL Listed Flow Calculation Program and Manuals and have been extensively trained on their use to be completely independent from SHTE® Italy.





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## NETWORK OF TRAINED DISTRIBUTORS

Our world distributors have been extensively trained by our Technical Team on every aspect of the system design.

Together with a physical training at the plant, we provide them with all the “tools” that are necessary to assess the risk, develop the best solution for any specific scenarios and calculate quantity of agent, size of pipes, nozzle drills in order to make sure that in case of fire the system will protect lives and assets as quickly and efficiently as possible.

We provide them with UL Listed Design and Installation/Maintenance Manuals and Flow Calculation Programs whose accuracy has been third party validated by UL. We try to make our world distributors as independent as possible, but at the same time our Technical Team are always ready to give support for any specific risks that needs a closer look.





**SHTE** 

**FIRE SUPPRESSION SYSTEMS**

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