

Integrated Fire Safety and Security Solutions

- **Firefighting Monitors**
- **Tunnels Fire Protection Systems**

شرکت ایمن بنیان در امان

با مسئولیت محدود

شماره ثبت ۱۹۱۶۹



Foam and Water fire Fighting Monitors

The Caccilanza & C monitors are high performance units designed to operate in extremely hard conditions and in aggressive environments (Refineries, chemical industries, offshore, etc.) where high foam/water flow rates and long ranges of jet distance are required. The Flow rates cover a range from 50 to 30,000 Lit/min with water or foam premix with a range of up to 150m.

Monitors are available in the following body material:

- Sea water resistant Aluminum alloy G-AL Si 9
- Bronze Bz N7







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- Water pipe and full jet Nozzle
- Water pipe and adjustable water nozzle for full jet/spray jet
- Adjustable Foam/water Nozzle for full jet /wide fog jet
- Combined foam/water pipe
- Self priming foam /water pipe
- Selector valve for foam /water operation with double pipe

he Monitors can be equipped with the following Water & foam Pipes and nozzles:



A3





A4

A6





A8









Caccilanza & C Monitor type			A3	A4	A6	A8
Nominal Size			3″	4″	6″	8″
Flow Rate (Lit/Min)			1,000 3,000	2,000 6,000	5,000 15,000 (20,000*)	20,000 30,000
Inlet flange	ANSI 150 lbs RF		3″ 4″	4″ 6″	6″ 8″	8″ 10″
	DIN(UNI) PN 16		DN65 DN80	DN100 DN150	DN150 DN200	DN200 DN250
Nozzle			X	X	X	X
Water Pipe			X	X	X	X
Foam Pipe			X	X	X	X
Command type						
Manually Operated Monitors		Hand Lever	X	X	-	-
		Hand Wheels	X	X	X	X
		Trailer Mounted	X	X	X	-
		Portable	X	-	-	-
Water pressure operated Automatic oscillating monitors		Hydraulic Cylinder Operated	X	X	-	-
		Trailer Mounted	X	X	-	-
		Portable	X	-	-	-
Electric Remote Controlled		Rotation 360° (±180)	X	X	X	X
Hydraulic Remote controlled		Rotation 350° (±175)	X	X	X	X
		Endless Rotation	-	X	-	-
Pneumatic Remote Control Monitors		Rotation 360° (±180)	X	-	-	-

• Monitor Command Panels

We can supply any type of command and control panels for monitor installation or for combined firefighting systems. Every panel can be supplied as a standard execution of outdoor monitoring with Protection degree of IP54 or in explosion proof execution Eexd/e/I for hazardous areas. Range is subdivided into 3 families:

- Standard Modular Panels
- Standard Modular Panels in Explosion Proof
- Standard integrated command panels for monitors





CACCIALANZA & C.
Fire fighting security systems







Automatic fire extinguishing system for tunnel protection with remote control Monitors.

Innovative Fire Extinguishing system fully automatic intervention or remote operation from a remote control room, suitable for tunnel fires incidents.

The first version with mobile remote controlled monitors on over head trailer (TUDEM-CAR), Consist of a fixed structure (over head rail) installed at the ceiling along the tunnel and in a number of mobile units equipped with foam/water monitors moving along the fixed structure.

The 2nd Version of the system, with remote controlled fixed monitors uniformly space along the tunnel (TUDEM LEGIO) consists of monitors directly installed along the tunnel at regular intervals of 42 m.













