

Samia® Italia Srl

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Samia® Italia Srl Presentation



Samia® Italia Srl is an independent Organization
is NOT being associated to any other entity showing same Brand Name and/or Logo



About us

Samia® Origins (1951)

Following the discovery of large gas fields in Northern Italy in 1951, the founder, Mr. Antonio Ventola, establishes the Brand Samia®, trading in Combustion Equipment and Flare Ignition Systems.



Antonio Ventola 1924 - 2013

Late 90's early 2000's the consolidation

In a few years Samia® starts its proprietary designed production line, adding also a R&D Center for testing and development of Flares and Combustion Equipment. Becoming, in the early 60's, the very first European based Company engineering complete Flare Systems.

The brand led to great success, conquering European, North African and Middle East Markets, spreading into India in the late 80's, China ten years later and, most recently, Russia and Southeast Asia.

About us

Samia® brands, a burning passion that keeps firing

Samia® Registered Trade Mark and the new “**A BURNING PASSION**” burners logo, alongside the Technology and entire Clients portfolio are firmly under the whole control of **Samia® Italia Srl**. From our base in Merate, one of the best business location, historical and tourist areas in between Bergamo, Milano, Lecco and Como, we manage our worldwide operation with the support of the many Agents and contacts located in the strategic areas of interest. **Samia® Italia Srl** keeps going proudly and independently from any thirds, with the support of its well motivated Italian and foreign partners.



MAJOR CUSTOMERS



- ENI Group
- TECHINT
- TECHNIP
- ExxonMobil
- FOSTER WHEELER
- LURGI
- EUROTECNICA
- CNOOC CHINA LTD
- ROYAL DUTCH SHELL
- ABB
- ENPPI (Egypt)
- PETROFAC
- TOTAL Group
- KICHNER ITALIANA
- HEURTEY PETROCHEM
- PIRECO
- ROSETTI MARINO
- QATAR PETROLEUM
- KNPC
- ILK CONSTRUCTION
- GLOBALSTROY ENG.
- PETRONAS CARIGALI
- BURULLUS / RASHPETCO
- TEKFEN
- TANAP
- EDISON
- Saudi Aramco
- Petrobras
- OMV
- Qatar Petroleum
- ADNOC
- CNOOC
- CPECC
- ISAB - LUKOIL

PRODUCTS & SERVICES

❖ FLARE and FLARING SYSTEM



- Elevated Flares: Self-Supported, Guy-Wired or Derrick Supported. (Stationary and Mobile Flares)
- Subsonic Flare Tips with Steam-Assisted or Air-Assisted Smoke Suppression System (Smokeless).
- Sonic Flare System, Single and MULTIARMS Solutions.
- Horizontal Pit Flares, Multi-Point and Enclosed Ground Flares
- Flares Cold Flares (Vent Stacks) and relevant Fire Fighting Device
- All Type of Ignition System, Monitoring and Control Systems.

PRODUCTS & SERVICES

❖ **REFINERY HEATERS BURNERS**

Conventional, loNOx, Ultra-LoNOx, Forced and Natural Draft.

❖ **INDUSTRIAL BURNERS**

Conventional and High Regenerative System.

❖ **H.R.S (REGENERATIVE COMBUSTION)**

High-cycle Regenerative combustion System.



PRODUCTS & SERVICES

❖ **MANAGEMENT CONTROL SYSTEMS**

Safety and Automatic Process Control.

❖ **ACCESSORIES**

SAMIA ITALIA, design and offer accessories and auxiliary equipment including Valves, Hoses, Pilots, Ignition Systems, Fittings, Flanges, Blowers, Storage Tanks, Vessels (K.O. Drums and Water Seals (Liquid Seal)), Seals and Prefabricated Piping.

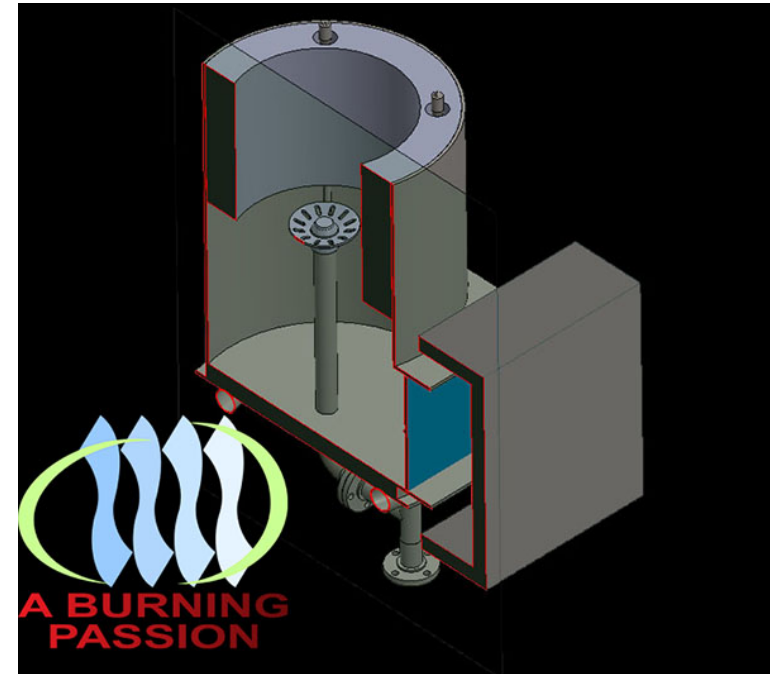
❖ **SERVICES**

- SURVEYS, INSPECTIONS, Feasibility Studies and DRONE Aerial Inspection for Flares
- SPARE PARTS
- REVAMPING / REPAIRS / UPGRADE / MODIFICATIONS
- ERECTION SUPERVISION
- START UP SUPPORT and TRAINING COURSES
- ENVIRONMENTAL ANALYSIS AND POLLUTION DISPERSION MODELLING

BURNERS



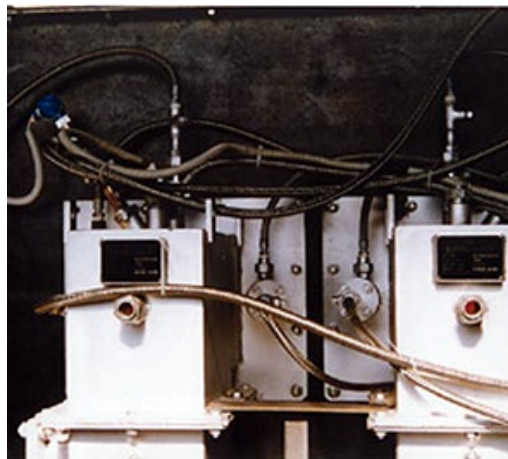
- ❖ “LoNO_x” Burners, Combustion Air Recirculation (**SRG Model**) or Fuel Staging (**SRX Type**).
- ❖ Floor or Side Wall Burners suitable for Gas and/or Oil firing under Natural or Forced Draft mode.
- ❖ Conventional, LoNO_x (Low No_x), Ultra-LoNO_x, (Ultralow No_x), Forced and Natural Draft.



REGENERATIVE COMBUSTION



Thanks to a Licence Agreement with the Japanese Nippon Furnace Kogyo Kaisha (NFK), covering sales and fabrication by **Samia**[®] of a Regenerative Combustion System called "HRS" (High cycle Regenerative combustion System); such system, by mean of an Honeycomb type "Regenerator" (result of years of research and field applications, in conjunction with highly qualified Scientific and Governmental Japanese Boards) allows up to 45% Fuel Gas saving keeping NO_x emissions value far below current regulations.

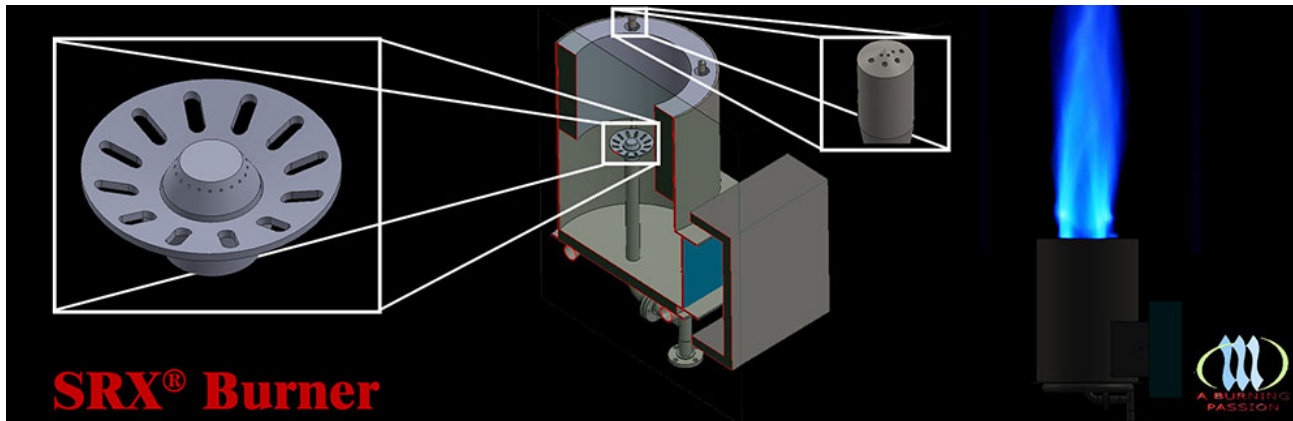
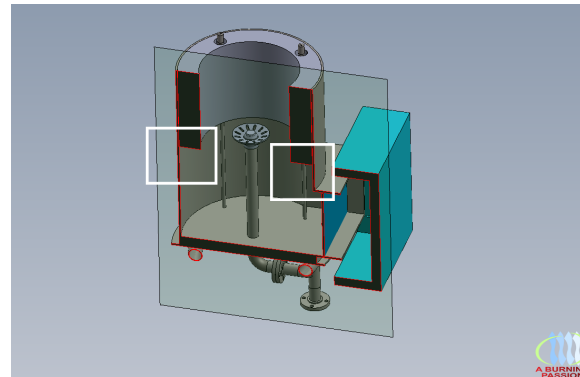


BURNERS SERVICES



Samia® Italia provides the following services:

- ❖ Surveys / Modification
- ❖ Feasibility Studies / Retrofitting
- ❖ Installation Supervision
- ❖ Revamping / Repairs / Upgrade
- ❖ Spares / Modification
- ❖ Start up



FLARES SOLUTIONS

❖ FLARE and FLARING SYSTEM

- Elevated Flares: Self-Supported, Guy-Wired or Derrick Supported. (Stationary and Mobile Flares)
- Subsonic Flare Tips with Steam-Assisted or Air-Assisted Smoke Suppression System (Smokeless).
- Sonic Flare System, Single and MULTIARMS Solutions.
- Horizontal Pit Flares, Multi-Point and Enclosed Ground Flares
- Flares Cold Flares (Vent Stacks) and relevant Fire Fighting Device
- All Type of Ignition System, Monitoring and Control Systems.



FLARES



Self-Supported Flare Package

Height: 25 m
Flare Tip \varnothing : 2"
Ignition Type: H.E.I (Automatic / Manual)
Design Flowrate: 152 kg/h
Temperature: 40°C
Pressure: 1 barg

Contractor: FOSTER WHEELER ITALIANA

Final Client: WITCO OSI Specialties Italia

Job Site: Termoli - ITALY



FLARES



Guy Wired-Supported Derrick Flares with **Steam Assisted Smokeless** Erection carried by **Samia®**

Height: 136 m
Flare Tip \varnothing : 10" H₂S
48" HC
Ignition Type: Flame Front Generation
Design Flowrate: 6400 kg/h H₂S
319,400 kg/h HC
Temperature: 200°C
Pressure: 1 barg

Contractor: TECHINT
Final Client: AGIP
Job Site: Sannazzaro
(PV) ITALY



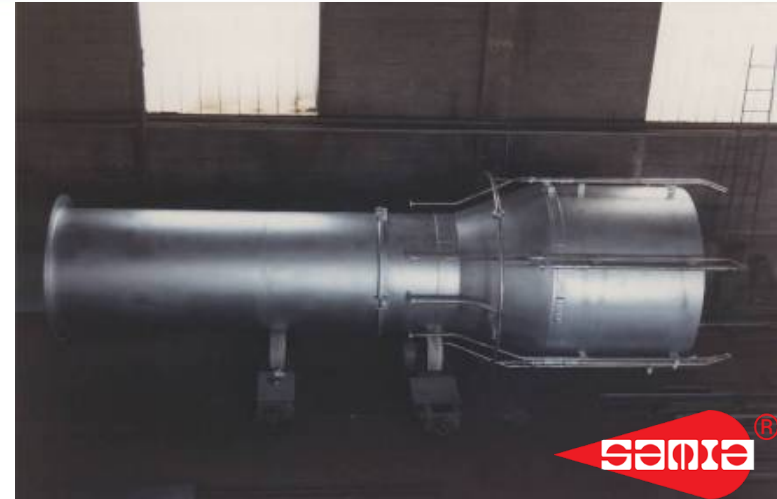
FLARES



Carbon Black Flare Package

Height: 9.9 m
Flare Tip Ø: 60"
Ignition Type: F.F.G
Design Flowrate: 68,500 Nm³/h
Temperature: 200°C
Pressure: 1 barg

Contractor: FILTER MEDIA FRANCE
Final Client: SYNA Petrochemical Eng. Co.
Job Site: IRAN



FLARES



Self-Supported Cold Flare Package

Site erection carried out by **Samia®**

Height: 33m

Flare Tip Ø: 16"

Accessories: AWL and CO₂ Extinguishing System

Design Flowrate: 93,500 kg/h

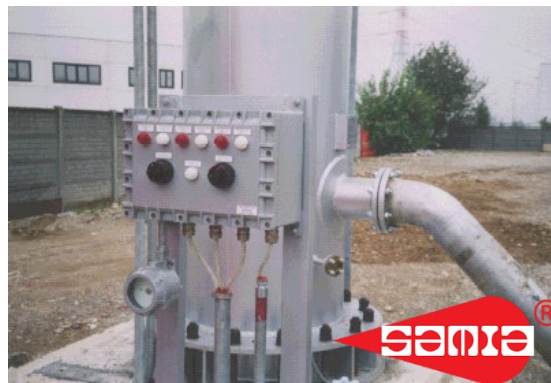
Temperature: -24°C

Pressure: 1 barg

Contractor: STOGIT Spa

Final Client: STOGIT Spa

Job Site: Crema - ITALY



FLARES



Self-Supported Flare Packages

Smokeless Steam Assisted for HP Flare

Height:	35m
Flare Tip Ø:	20" HP Flare 4" LP Flare
Ignition Type:	F.F.G
Design Flowrate:	25.220 kg/h for HP Flare 881 kg/h for LP Flare
Temperature:	180°C
Pressure:	1 barg
Accessories:	Integrated KO Drum & Water Seal Horizontal KO Drum for LP Flare
Contractor:	LURGI OEL GAS
Final Client:	LURGI POLSKA
Job Site:	Jedlickze - POLAND



FLARES



Off-Shore Flare Tip

Height: 3m
Flare Tip \varnothing : 12"
Ignition Type: F.F.G + H.E.I (Auto / Manual)
Design Flowrate: 16,000 kg/h
Temperature: 164°C
Pressure: 1 barg

Contractor: COOEC - CHINA
Final Client: COOEC
Job Site: CHINA



FLARES



Derrick-Supported Flare Packages

Smokeless Air-Assisted for Cold Flare

Height: 90m
Flare Tip Ø: 56" Cold Flare (80" Air Riser)
32" Warm Flare
Ignition Type: F.F.G
Accessories: Molecular Seal, AWL, Air Blowers
Design Flowrate: 1.090.000 kg/h for Cold Flare
274.836 kg/h for Warm Flare
Temperature: -145°C (Cold) / 40°C (Warm)
Pressure: 9 barg (Cold) / 11 barg (Warm)

Contractor: ENPPI
Final Client: UGDC
Job Site: Port Said
EGYPT



FLARES



Self-Supported Flare Package

Height: 10m
Flare Tip Ø: 3"
Ignition Type: F.F.G
Design Flowrate: 1,700 kg/h
Temperature: 65°C
Pressure: 3.5 barg

Contractor: ENPPI
Final Client: UGDC
Job Site: Port Said - EGYPT



SONIC FLARES



Derrick-Supported Sonic Flare Package

Height:	91m
Flare Tip Ø:	50"
Ignition Type:	H.E.I (Automatic / Manual)
Design Flowrate:	1,500,000 kg/h
Temperature:	-85 to +800°C
Pressure:	10 barg
Contractor:	PETROJET
Final Client:	BURULLUS GAS COMPANY
Job Site:	Nile Delta - EGYPT



FLARES



Offshore Multi-Points Flare Tip

Height: 3m
Flare Tip \varnothing : 12"
Ignition Type: F.F.G + H.E.I
Design Flowrate: 145.081 kg/h
Temperature: -58°C
Pressure: 3,5 barg
Contractor: ILK Construction -Istanbul
Final Client: PETRONAS CARIGALI
Job Site: TURKMENISTAN



OFFSHORE FLARES

The logo for samia, featuring the word "samia" in a stylized, lowercase font with a red teardrop shape behind it.

Offshore Multi-Points Flare Tip

Height:	3m
Flare Tip \varnothing :	8"/6"
Ignition Type:	F.F.G + H.E.I
Design Flowrate:	23.000.000 Scf/day
Temperature:	-65°C
Pressure:	3.0 barg
Contractor:	ILK Construction -Istanbul
Final Client:	PETRONAS CARIGALI
Job Site:	TURKMENISTAN

The logo for samia, featuring the word "samia" in a stylized, lowercase font with a red teardrop shape behind it.The logo for samia, featuring the word "samia" in a stylized, lowercase font with a red teardrop shape behind it.The logo for "A BURNING PASSION", featuring a stylized flame icon above the text "A BURNING PASSION".

MOBILE FLARE & KO DRUM



Service: Oil Line Depressurization

KO Drum: \varnothing 1.5m / L 6m

Burner System: \varnothing 3" / L 3m

Accessories: Truck, Trailer, Crane, Multi-stage Orifice, Portable H.E.I Igniter, LPG Tank, N₂ bottles, Fire Extinguisher, Control Board

Contractor: CPPMEC Final Client: CPPMEC Job Site: LIBYA



MOBILE FLARE & KO DRUM



Service: Nawara Pipe-line Project

KO Drum: Ø Dia 0.9m / L 3.8m
Burner System: Ø 6" / L 1m / Total H: 13m

Accessories: Truck, Trailer, Crane, Multi-stage Orifice, Solar Powered (PV) Ignition Backup, Portable H.E.I Igniter, LPG Tank, Control Board

Contractor: MAX-STREICHER
Final Client: OMV
Job Site: TUNISIA



FLARES SERVICES

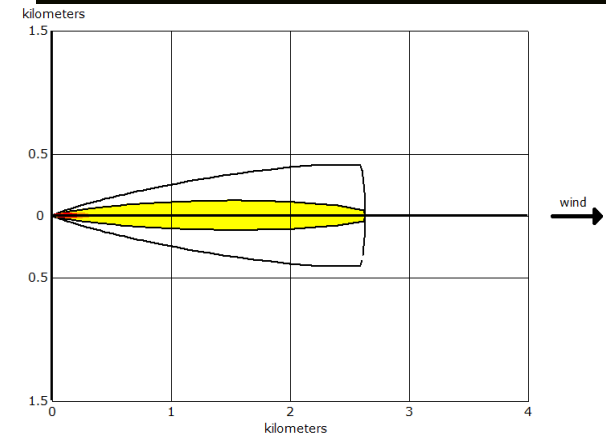
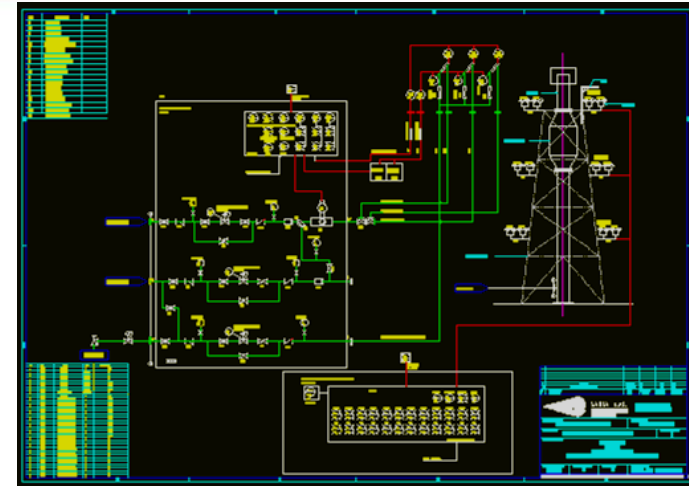
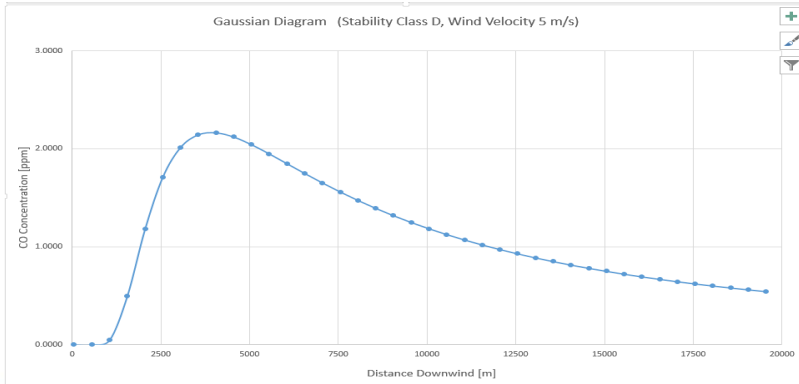
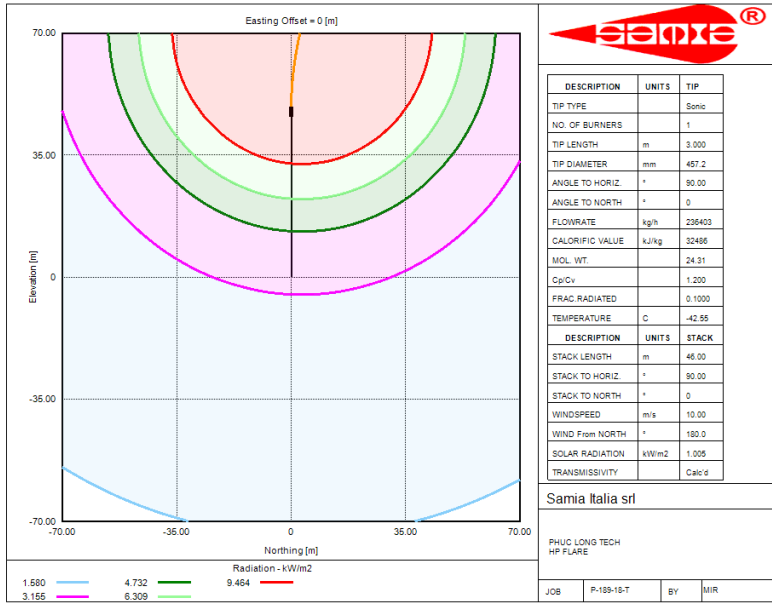


Samia® Italia provides the following services:

- ❖ Surveys
- ❖ Flares Aerial Inspection (with Helicopter or by Drone)
- ❖ Feasibility Studies
- ❖ Erection Supervision
- ❖ Revamping / Repairs
- ❖ Spares
- ❖ Start up



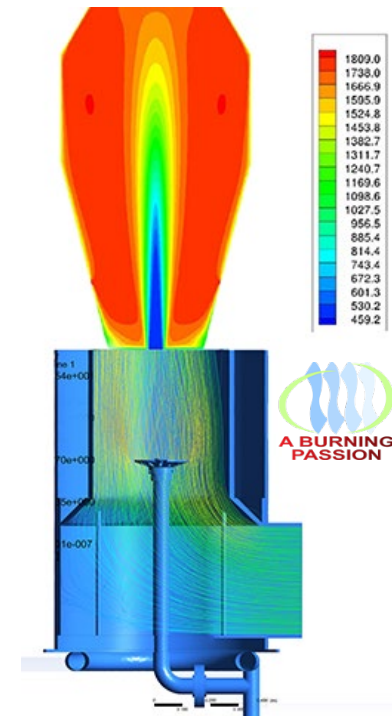
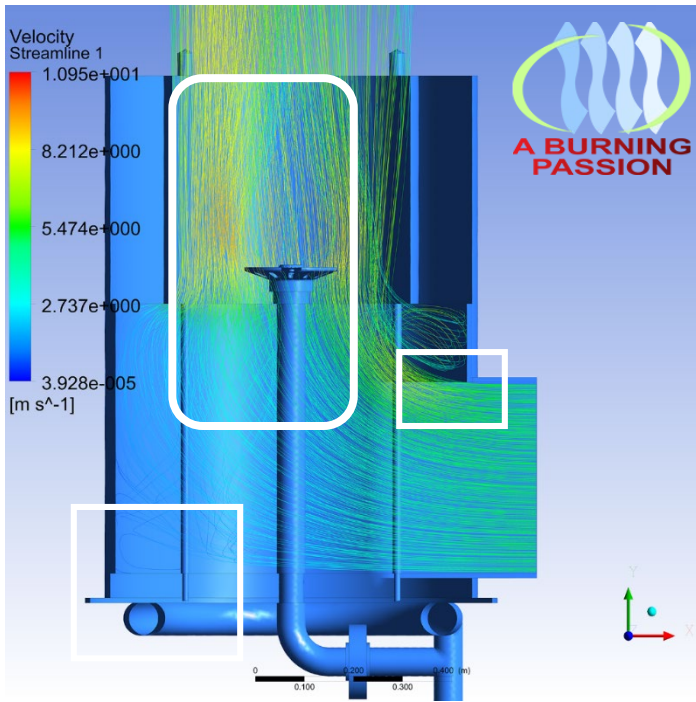
ENGINEERING



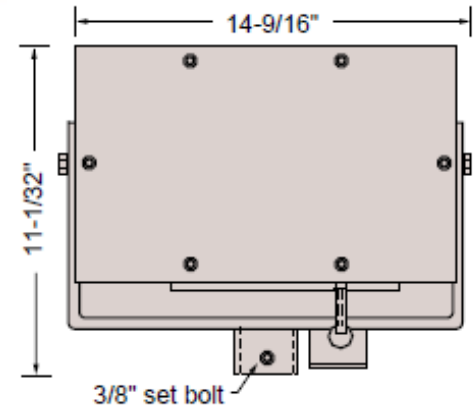
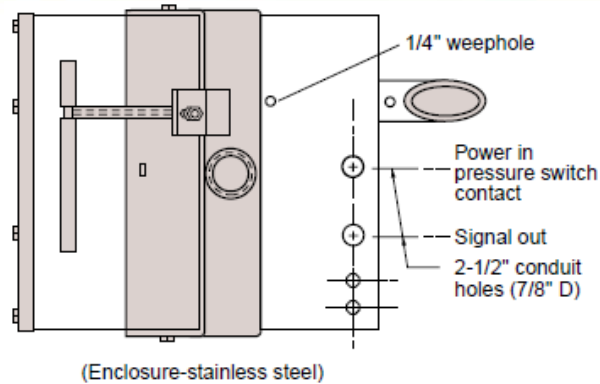
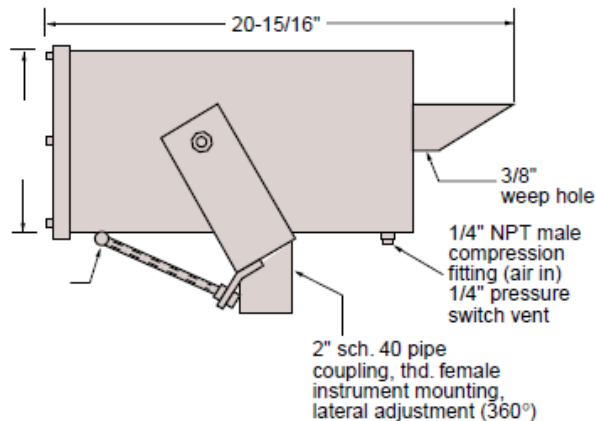
- greater than 50 ppm (AEGL-3 [60 min])
- greater than 27 ppm (AEGL-2 [60 min])
- greater than 0.51 ppm (AEGL-1 [60 min])
- wind direction confidence lines



EXTENSIVE RESEARCH AND DEVELOPMENT BACKED UP BY YEARS OF EXPERIENCE



POWERTROL PILOT/STEAM MONITOR



SPECIFICATIONS

DISTANCE FROM FLARE:

500 to 3,000 feet

FIELD OF VIEW:

0.7° (with standard optics)

FLARE SIGHTING:

Thru the lens, adjustable focus

RANGE:

0-100% Flux Density

RESPONSE TIME:

0.1 second to 95% of final value

OUTPUT:

4-20 MA. DC. Isolated/Non-Isolated

ADJUSTABLE OUTPUT DECAY RANGE:

0.1 to 120 seconds

INPUT POWER:

110/220 VAC, 50-60 HZ, 150 WATTS

PURGE AIR:

2 PSIG, 1 CFM consumption

PRESSURE SWITCH RATINGS:

120-480 VOLTS, 60 HZ AC. resistive

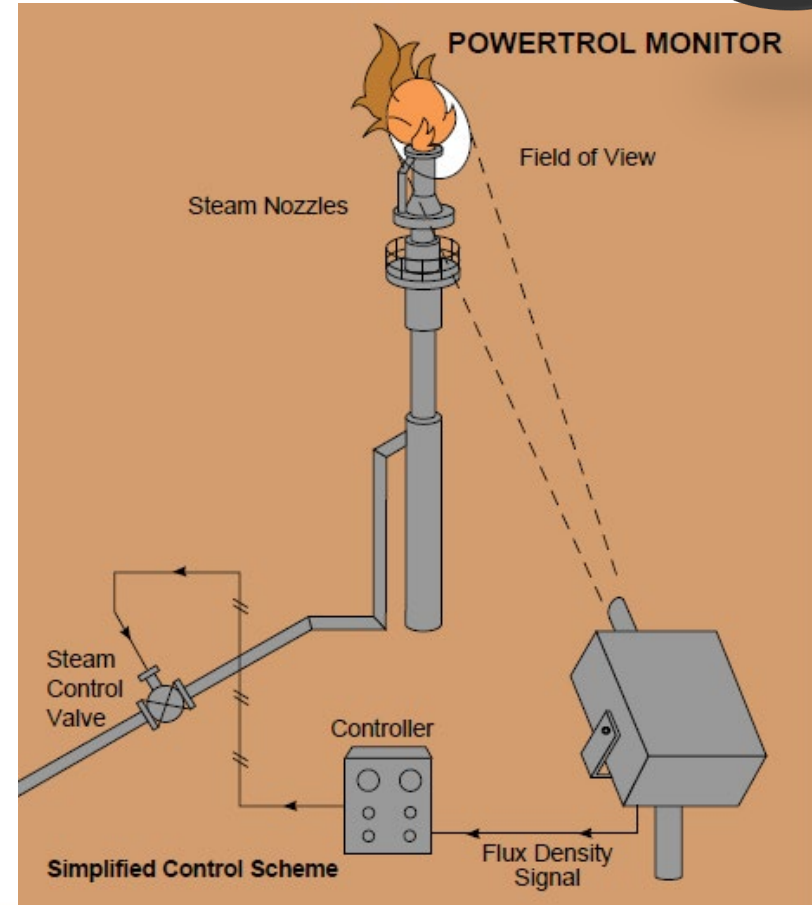
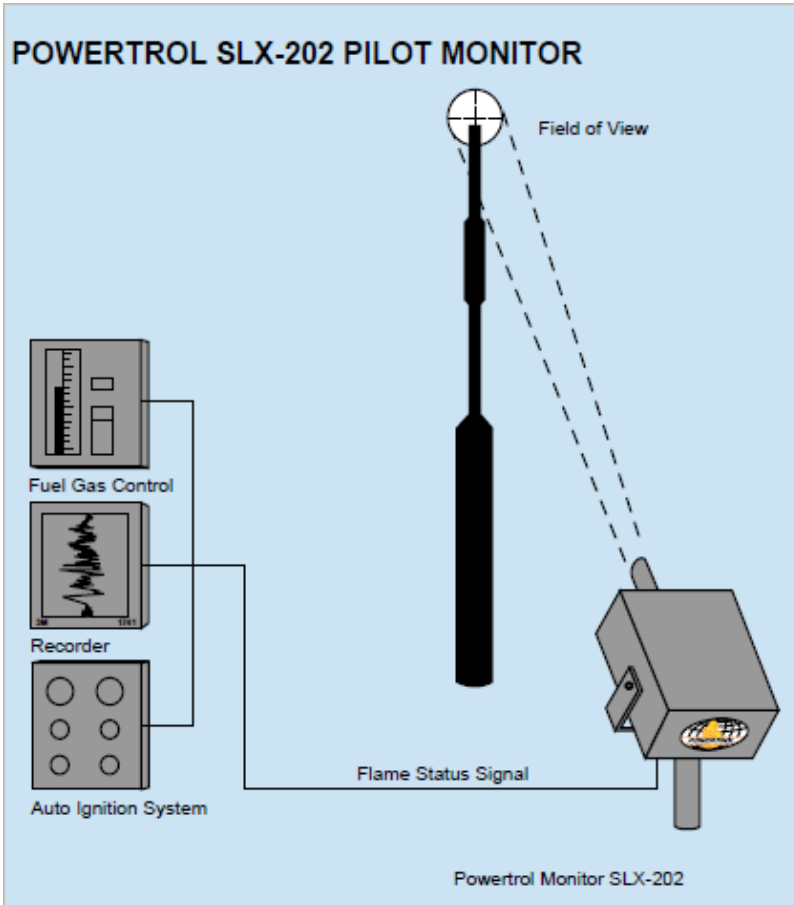
AMBIENT TEMPERATURE RANGE:

-30°F TO 120°F

(optional enclosure heating/cooling available)



POWERtrol PILOT/STEAM MONITOR



SAMIA ITALIA SRL

THANKS FOR YOUR ATTENTION

