



SPRAY SHIELD



SOLAS II-2/4

2.2.5.3 Oil fuel lines shall not be located immediately above or near units of high temperature, including boilers, steam pipelines, exhaust manifolds, silencers or other equipment required to be insulated by paragraph 2.2.6. As far as practicable, oil fuel lines shall be arranged far apart from hot surfaces, electrical installations or other sources of ignition and shall be screened or otherwise suitably protected to avoid oil spray or oil leakage onto the sources of ignition. The number of joints in such piping systems shall be kept to a minimum.

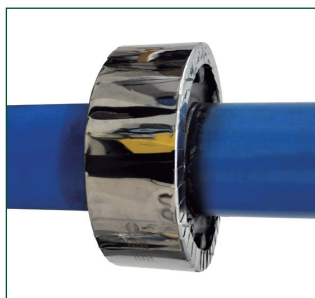
- **Why spray shield is a necessary?**

Spray shield protect not only operator, but facility and environment.

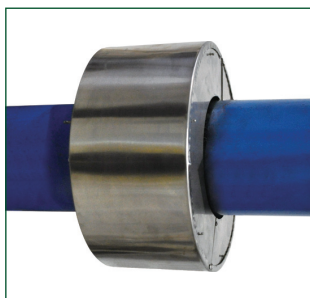
- **AI GI Spray Shield for Flange**

Products	Materials
AI GI 231G Non-metallic waterproof spray shield	Special plastics
AI GI 232G Non-metallic anticorrosion spray shield	Special PTFE
AI GI 231Z Non-metallic spray shield for middle to high pressure	Reinforced special plastics
AI GI 232Z Non-metallic anticorrosion spray shield for middle to high pressure	Reinforced special PTFE
AI GI 238G Metallic completely closed spray shield	Special Steel
AI GI 237G Metallic half closed spray shield	Special Steel
AI GI 235G Semi-Metallic spray shield tape	Semi-metallic material

● **Metallic spray shield for high pressure**



AI GI 237G Metallic half closed spray shield



AI GI 238G Metallic completely closed spray shield

※ AI GI 237G & 238G can provide Customer-made spray shield for water outlet

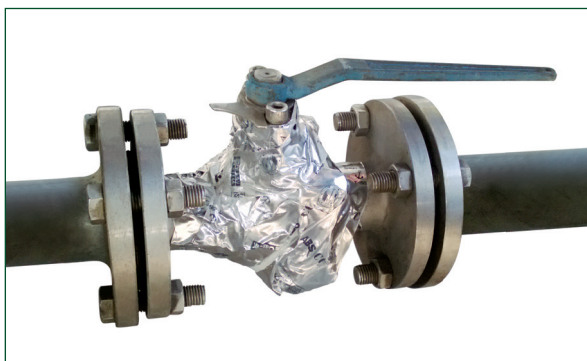
Metallic spray shield

- Application: High temperature, high pressure where exist or the non-metallic spray shield is not suitable
- Half closed spray shield has unique slot design, make the two sides overlap the other which could effective prevent side spray
- Completely closed spray shield cover the entirely flange, give flange better protection
- Easy installation
- Available for all the flange

Special Steel Spray Shield

- Suitable for corrosion and dangerous condition
- Max. Temperature: 2000°F(1093°C)
- Max. Pressure: 24Mpa

● AIGI 235G Semi-metallic spray shield tape



AIGI 235G Semi-metallic spray shield tape winding on valve



AIGI 235G Semi-metallic spray shield tape winding on flange

Semi-metallic spray shield tape is a good choice to prevent fuel spray

AIGI 235G Semi-metallic spray shield is available on pipeline (gas pipe, fuel pipe, waste pipe, hush pipe, etc.), including valve and flange. It's an idea choice to prevent Fire caused by broken pipe.

Technical Data

- bondability: 5.0N/cm
- Flammability: -160 ~200°C
- Pressure: 40kgf/cm²
- Oil resistant: Suitable in black oil, light oil, gasoline, lubricant oil.
- Tensile strength: 200N/cm

Standard size

Product Size	Package	Weight	Product Code
35mm*10m	28roll/ctn	7.3kg	235G + width/roll 235GX + width/package
50mm*10m	20roll/ctn		
75mm*10m	13roll/ctn		
100mm*10m	10roll/ctn		
140mm*10m	7roll/ctn		
250mm*10m	4roll/ctn		
500mm*10m	2roll/ctn		
1000mm*10m	1roll/ctn		

● Non-metallic spray shield

Non-metallic spray shield has 2 kinds: Clear plastic and Non-clear cloth with colorful leaking warning sign.

Clear plastic spray shield is AIGI231G which can prevent water spray.

Non-clear cloth with colorful leaking warning sign is AIGI 232G.

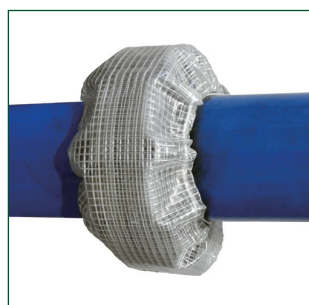
The leakage manhole is at the back of the PH sensitive warning sign. The warning sign turns red when leaking acid while green when leaking alkali.

The warning sign can be replaced which make the spray shield repeating used.

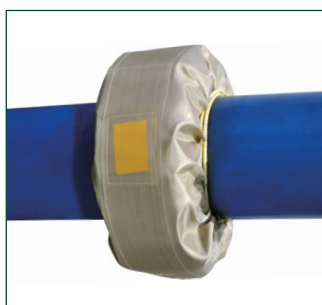
Non-metallic spray shield is resistant to UV, sunlight, rain and smoke, which is available outdoors and indoors. Easy installation.

- Available for all the flange type
- Special condition on request

Non-metallic spray shield for low to middle pressure



AIGI 231G Non-metallic waterproof spray shield



AIGI 232G Non-metallic anticorrosion spray shield

Technical Data

- Size: DN15 ~ DN1500
(NPS 1/2" ~ 60")
- Class Rate: PN20 (Class150)
PN50 (Class300)

Non-metallic spray shield for middle to high pressure



AIGI 232Z Non-metallic anticorrosion spray shield for middle to high pressure

Technical Data

- Size: DN15 ~ DN1500
(NPS 1/2" ~ 60")
- Class Rate: PN110 (Class600)

● Special Spray shield

For expanded joint; valve; exhaust pipe; soft pipe and transmission line is available, please contact AIGI Inc. For further information.



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