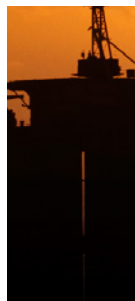


# We've figured it out for you!

## TESCOM Regulators for Safety Instrumented Systems (SIS)



### Overview

Compromising on safety is never an option. In any industry, it is vital to foresee and address possible dangers in applications before they happen. Instinctively the dangers to people and nature are the first to consider, but in addition, production and revenue losses by unexpected interruption to the production process should not be overlooked. It is important to conduct a risk analysis in order to plan appropriate and effective countermeasures to reduce the risk of Health, Safety and Environmental issues. The goal is to plan as with much certainty and assurance and as economically as possible for your specific application.

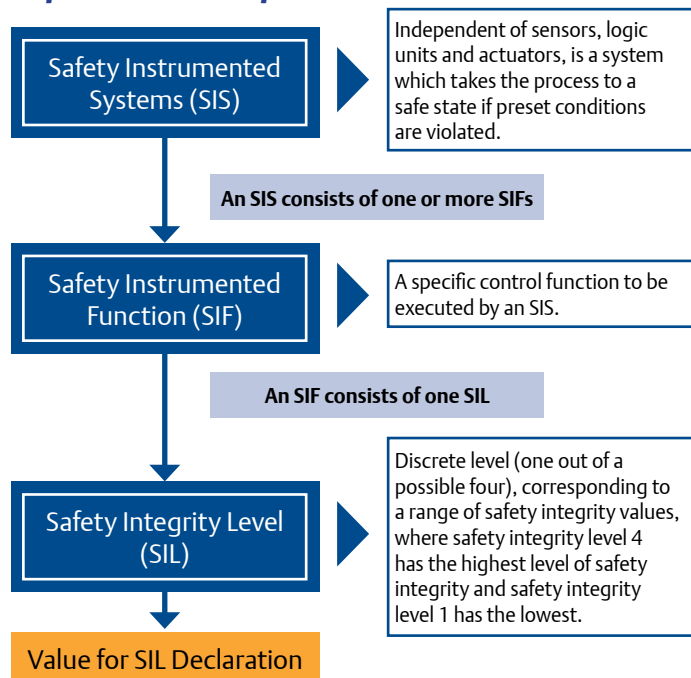
#### A Safety Instrumented System (SIS) is designed to:

- Take the process to a safe state when predetermined (dangerous) conditions are violated
- Permit a process to move forward in a safe manner when specified conditions allow
- Take action to mitigate the consequences of an industrial hazard

#### SIS standards are:

- IEC 61508 (basis for industry specific standard)
- IEC 61511 (derived from IEC 61508)

### Top Level View of SIS



[www.tescom.com](http://www.tescom.com)



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# SIS Declaration - TESCO M Regulators

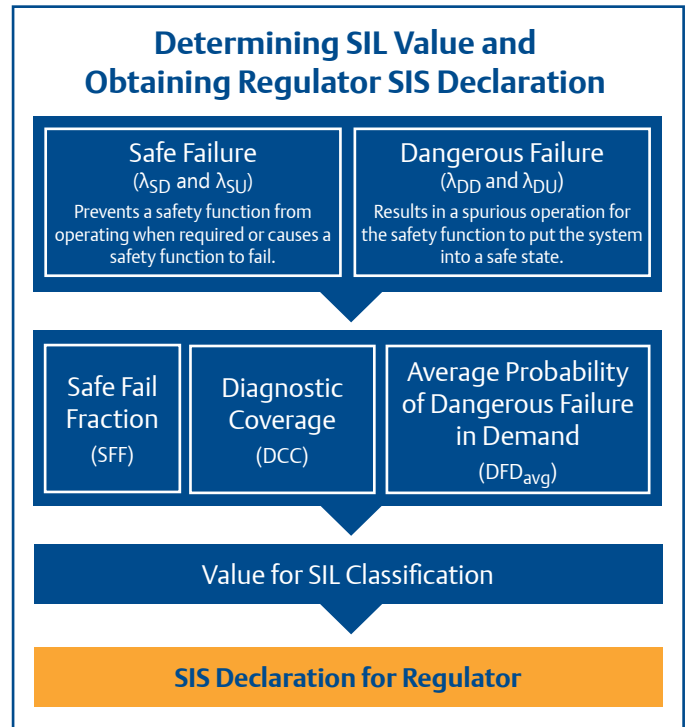
We have figured out the regulator SIL value for your application so you don't have to!

Important considerations are made when purchasing components for a Safety Integrated System. In addition to knowing that the component is field-proven with desired safety and quality design features, an SIL value is required for that component in order to meet the greater SIS requirements for use in that application.

TESCOM has assigned pre-determined SIL values for a range of regulators for a range of applications and the list keeps growing. The process of determining the SIL value for each component for a specific application can demand a great amount of time and resources. We have figured this out for you, reducing your time and cost.

A TESCO M SIS Declaration states the SIL value for a specific regulator. Here are some of the qualifying applications:

- Wellhead Control Panel/Switchboard Panel
- Hydraulic Power Units (HPU)
- Subsea Actuation
- Hydraulic Blowout Preventers (BOP)
- Chemical Injection
- Hydraulic Component Testing
- Pump Pressure Lines and Process Control
- Reactor Vessels
- Testing
- Diving Equipment
- Compressed Breathing Air Distribution
- Regulation - Drain Exhaled Gas
- Hard Helmet Diving
- High Pressure Gas Trailers
- Breathing Air
- Laboratory (Sampling Systems, Analytical Instruments, Chromatograph/FID, Cylinder Pressure, Testing, Calibration Labs)
- Ground Support Equipment (GES)



Contact TESCO M to learn more about SIS Declaration for your application and your regulator needs.

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