QSWAS™
Compact. Easy to Install, Operate and Maintain
QSWAS™

In power plants, high pressure boilers and steam turbines are under constant attack from erosive and corrosive elements such as silica, sodium, dissolved oxygen, calcium, chloride and phosphates.

Forbes Marshall is India's largest SWAS manufacturer with over 700 installation in India and worldwide. Our strong research and development has enabled us to constantly innovate the SWAS to suit customer requirements and needs.

QSWAS™ is a compact pre-assembled modular, flexible and easy to use system, that enables maximum utilisation of installation space along with an ease of operation. It gives the user complete flexibility in design layout, customisation and expansion of the SWAS panel to suit his ever changing requirements.

Quick Installation and Maintenance

Standard modular design helps cut lead time for fabricated panels and also integrates complete functionality.

Modular design helps the operator maintain components on the spot.

Maximum Access

All components of QSWAS™ are easily accessible from both sides of the SWAS Panel

Smaller Footprint

Traditional 6 Line sampling panel - with front access

4.0m

6 Line QSWAS™ - with front and back access

2.5m
**Primary Cooler Module**

Inlet globe valve - designed for super critical pressure and temperature of steam

Sample cooler - designed with inbuilt safety relief valve and drain plug. The coil is designed and certified for high pressure and temperature.

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**Conditioning Module**

Relisafe™- PR sample pressure reducing valve. Designed as per ASME PTC 19.11-2008 with inbuilt pressure relief valve

Relisafe™-TP high temperature safety shutoff valve with manual reset as per ASME PTC 19.11-2008 for instrument and operator safety

Temperature and pressure gauges for indication and adjustments

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**Secondary Cooler + Conditioning Module**

Secondary Sample cooler - designed with inbuilt safety relief valve and drain plug. Cooler designed for precise cooling.

Relisafe™- PR sample pressure reducing valve. Designed as per ASME PTC 19.11-2008 with inbuilt pressure relief valve

Relisafe™-TP high temperature safety shutoff valve with manual reset as per ASME PTC 19.11-2008 for instrument and operator safety

Temperature and pressure gauges for indication and adjustments
QSWAS™ Configuration

Single Stage Cooling

Two Stage Cooling

Easy to Maintain
All components accessible from front for maintenance

Wall Mounted Option

Rack Mounted Option

QSWAS™

™ Single Stage Cooling
Two Stage Cooling
Primary
Cooler
Module
Conditioning
Module
Primary
Cooler
Module
Secondary Cooler
Module + Conditioning
Module

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