

# SteamExpress

EXPERTISE | SOLUTIONS | SUSTAINABILITY



## Engineering a sustainable future

### Helping you choose the right solutions

With over 100 years' experience in steam solutions, our brand is well-known within the oil & gas industry. We have a large installed base, giving your customers the belief we can meet their requirements.

Our wide range of products, services and engineering know-how enables us to provide you with the right solutions, not just the products.

So as your customers' challenges evolve so do our products and services. Our commitment to new product development is critical to our ability to offer sustainable solutions. We have invested heavily in the past five years to ensure we can be your full service partner to support you all the way through any projects, now and in the future.

Project Support

From Front End Engineering Design (FEED)

all the way through to installation and commissioning, our team who are dedicated to the oil & gas industry, have the knowledge and experience to ensure that you are given all the assistance necessary to meet your goals. Whether you are bidding for, or have been awarded a contract for any project, our team of specialist are there to support you all the way.

We can support you in a number of ways:

- We have an extensive and high quality product range with necessary product and manufacturing approvals and bespoke documentation.
- With manufacturing strategically located around the world, we have the supply capacity and agility to suit your needs, including the packaging of products.

## Top Safety tips for the Oil and Gas Industry

by: Yong Chee Kong, EHS Manager

The Oil and Gas industry falls well and truly within the category of a high-risk working environment. Working practices need to be rigorously assessed regularly by safety professionals in order to guarantee the safety of the workforce. However by following these simple measures, we can help to create a safer working environment.

### Maintain dialogue with your workforce – Toolbox Talks

Your workforce knows the ins and outs of their work environment. Workforce representatives are always involved in health and safety inspections on oil and gas rigs. So by communicating with your workforce you will gain a much better understanding of where risks lie.

Continue to read on Page 2

- You will have easy access to literature, sizing software and building information modelling.
- Our global network of engineers and support staff are well-versed in the requirements of the oil & gas industry and are here to help you in the design of your steam systems. As steam experts we can offer package solutions that take the headache out of designing, engineering, procuring, fabricating and testing such systems.

Designing steam systems in the oil & gas industry, often in multiphase flow, requires expert knowledge. So contact us today and one of our steam experts will help you choose the right solution for your customers.

# Desuperheating solutions for your applications

Our desuperheaters are compact, easy to install, long lasting and designed to reduce the temperature of superheated steam to produce steam temperatures approaching saturation temperature. To cool the superheated steam, water is entrained and flashed into vapour by absorbing heat from the steam.

Desuperheaters can be used in power plants, vacuum distillation units (start-up heater), aromatics recovery unit, thermal and catalytic crackers, polymerization and olefin units.

Spirax Sarco desuperheaters provide the answer when the precise control and reduction of superheated steam temperature is required.

- Accurately control the temperature of steam.
- Waste and residual heat recovered and recycled.

## A solution to match your requirements:

Our solution enables the ideal desuperheater selection for your application, ensuring a perfect fit for a wide range of industries, including oil and gas and petrochemicals for applications such as combined heat and power

## Increased process efficiency

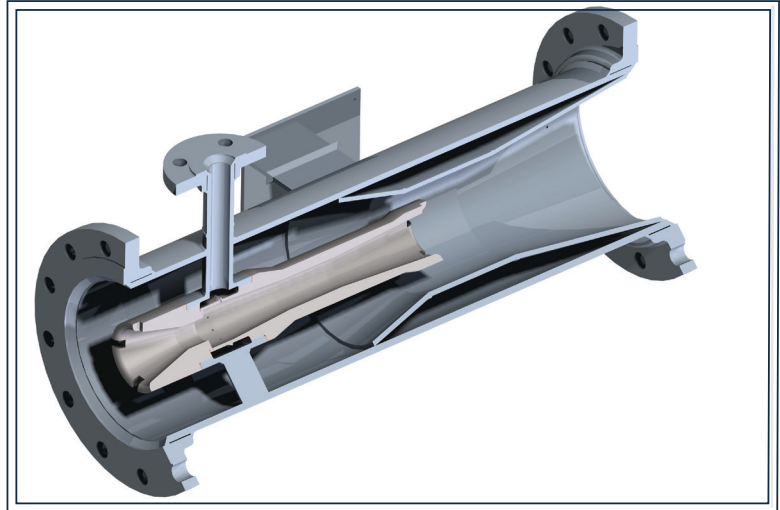
Efficiently cool your superheated steam for use in a wide variety of applications. Waste and residual heat can be recovered and recycled to increase process efficiency and reduce costs.

## Consistent water velocity and reliability

Spirax Sarco desuperheaters eliminate water droplet fallout and ensure a reliable, efficient energy transfer.

## Highly cost effective

Our range of desuperheating solutions offers a cost effective, long term solution with multiple features and a low cost of ownership.



## Built to last

Stainless steel internals guarantee a durable, long lasting installation that resists corrosion and erosion. Our desuperheaters can be installed with a number of body material options to ensure the solution comfortably operates within a wide range of applications temperatures.

## Compact installation

Each desuperheater can be skid mounted and is easily installed with existing Spirax Sarco products, providing a complete engineered solution.

[Continued from Page 1](#)

## Be aware of all hazards

Minor hazards can quickly become a bigger issue, particularly within the closed confines of an oil or gas rig, so take nothing for granted. Ensure that smaller incidents are routinely logged and tracked, to maintain a firm grasp of the situation and to prevent any safety issues from escalating.

## Maintain basic safety measures

Slips, trips and falls should be best avoided with good housekeeping. Walkways should be kept clear of tools and debris. Spills should be cleaned immediately. Eye and back injuries can also be prevented with proper personal protective equipment and safe work practices. Eye and face protection should be chosen based on the kinds of hazards encountered. Protecting from hand injuries can also be achieved through employing appropriate gloves for the job in hand.

## Never stop learning

The Oil and Gas industry is no exception to learning and sharing of best practice. The learning process never ends in whatever industry you are working in.

# Steam and Condensate System Training

## Who will benefit?

Designers, plant engineers, senior technicians and those involved in the day to day running of the steam & condensate services.

## Objectives:

To give a good understanding of the purpose and operation of steam & condensate systems and factors affecting their performance and plant output.

## Participants will learn about

- The fundamentals of steam
- Steam Distribution
- Steam Trapping
- Steam trap sizing & selection
- Estimating steam load
- Effective condensate removal
- Condensate Recovery

**Date:** 28 & 29 January 2021

**Time:** 09:00 - 17:00

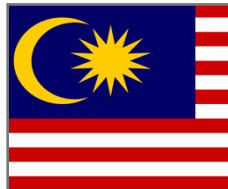
**Venue:** Spirax Sarco Singapore



## CONTACT YOUR NEAREST SPIRAX SARCO TODAY!

### Malaysia

No 10, Temasya 18  
Jalan Pelukis U1/46A, 40150 Shah Alam  
Selangor Malaysia  
Tel: (60) 3 556 996 50  
Fax: (60) 3 556 996 56  
Email: Sales@my.spiraxsarco.com



### Indonesia

Kawasan Infinia Park Blok C-99  
Jl. Dr. Saharjo No. 45 Manggarai, Tebet  
Jakarta Selatan 12850 Indonesia  
Tel: 62 21 8379 7233  
Fax: 62 21 8379 7266  
Email: enquiries.id@id.spiraxsarco.com



### Philippines

2308 Natividad Bldg Chino Roces Ave Ext  
Makati City 1231 Philippines  
Tel: (63) 2 812 8654  
Fax: (63) 2 812 8673  
Sales.Philippines@ph.spiraxsarco.com

### Vietnam

4th Floor, Nam Song Tien Tower  
180 Nguyen Van Troi St, Phu Nhuan District  
Ho Chi Minh City, Vietnam  
Tel: +84 283 997 6000  
Fax: +84 283 997 6062  
Spirax.Vietnam@vn.spiraxsarco.com



### Thailand

38 Krungthepkreea Road Klongsontonnun  
Latkrabang Bangkok 10520 Thailand  
Tel: +66 2 055 0888  
Fax: +66 2 022 7159  
Email: SalesTeam@th.SpiraxSarco.com



### Myanmar

192, Kabar Aye Pagoda Road  
Myanmar Centre Tower 2 Level 12 Unit 1218  
Bahan Township Yangon Myanmar  
Tel: + 95 1 934 5066-68  
William.Hein@th.spiraxsarco.com

[WWW.SPIRAXSARCO.COM/GLOBAL/SG](http://WWW.SPIRAXSARCO.COM/GLOBAL/SG)

Spirax Sarco Singapore Phone : +(65) 6349 0480  
21 Changi South Ave 2 Fax : +(65) 6581 2749  
#01-01 Singapore 486630 Email : spirax.singapore@sg.spiraxsarco.com

**spirax**  
**sarco**