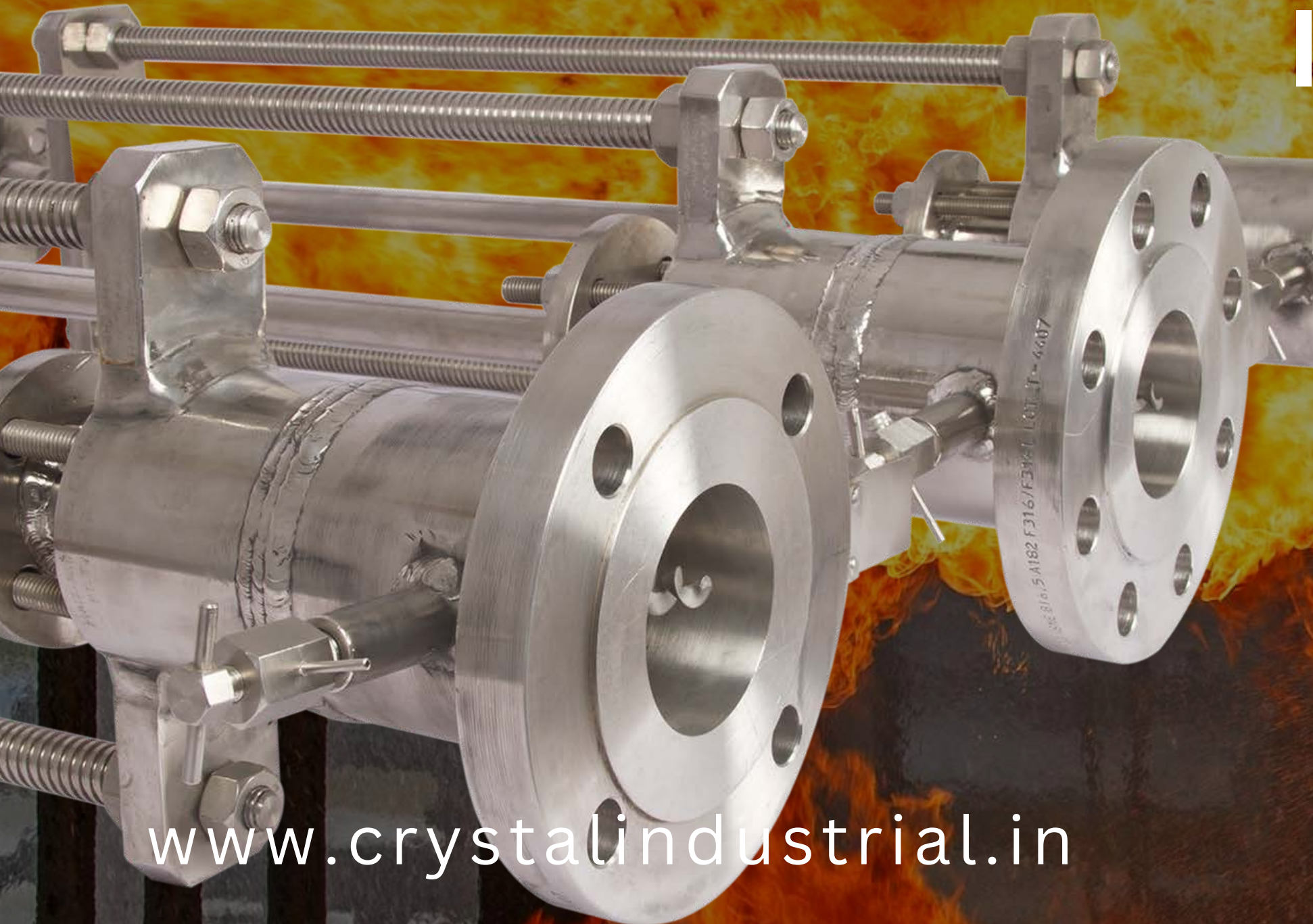


# FIRE SUPPRESSION

WITH WORLD-CLASS  
INJECTION QUILLS FROM  
CRYSTAL INDUSTRIAL



[www.crystalindustrial.in](http://www.crystalindustrial.in)

Crystal   
industrial



# PURPOSE OF INJECTION QUILLS IN FIRE SUPPRESSION SYSTEMS

The primary purpose of using injection quills in fire suppression systems is to improve the accuracy and precision of chemical dosing. Injection quills are typically small-diameter tubes that are inserted into the system through a fitting or opening in the wall. The chemical is then pumped or flowed through the quill and into the system. This allows for precise control over the amount and timing of the chemical introduction, which can help to improve the efficiency and effectiveness of the fire suppression process.





## THEY ALSO REDUCE CHEMICAL CONSUMPTION AND INCREASE PROCESS EFFICIENCY

Injection quills also help to reduce chemical consumption and waste. By precisely controlling the amount of chemical introduced into the system, injection quills can help to minimize the amount of chemical that is required to extinguish a fire. This can help to reduce the overall cost of the fire suppression process and minimize the environmental impact of the chemicals used.

Another benefit of using injection quills in fire suppression systems is increased process efficiency. By precisely controlling the amount and timing of chemical introduction, injection quills can help to optimize the performance of the fire suppression process. This can help to minimize the amount of time required to extinguish a fire and reduce the risk of damage to the building or structure.



# BENEFITS OF USING INJECTION QUILLS IN FIRE SUPPRESSION SYSTEMS

- Improved chemical dosing accuracy
- Reduced chemical consumption and waste
- Increased process efficiency
- Enhanced safety for workers and the environment





# **ADVANCEMENTS IN INJECTION QUILL TECHNOLOGY FOR FIRE SUPPRESSION SYSTEMS**



**Smart technology  
and sensors**

**Advanced materials**

**Automation and  
robotics**

**Remote monitoring  
and analytics**



# CERTIFIED WORLD-CLASS

Crystal Industrial Syndicate is now accredited with:



**ISO 9001:2000**

for Quality Management System



**ISO 14001:2004**

for Environmental Management System



**OHSAS 18001:2007**

for Occupational Health Safety  
Management System



# GLOBAL CUSTOMERS

Crystal Industrial's products are installed around the world, from North America and Europe to Africa and the Middle East.

We recently completed the implementation of an order of fixed and retractable injection quills to **Sasol refineries** in USA, after complying with the stringent quality standards and specifications laid down by Sasol's engineers.



**sasol**  
*reaching new frontiers*



# CONTACT

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