



Sealmatic Successfully Delivers Type U154KL Double Mechanical Seal For Hydroxylamine Sulfate – Agitator Application

Hydroxylammonium or Hydroxylamine Sulfate is a white crystalline compound with a chemical formula $H_8N_2O_6S$, is employed in organic synthesis to convert aldehydes and ketones to oximes, carboxylic acids, it is also employed in the production of anti – skinning agents, pharmaceuticals, rubber, textiles, plastics, detergents etc.

Mechanical Seals employed in the chemical or petrochemical industry need to be capable of coping with the large array of media, many of them explosive or toxic and others which could become when mixed. An increased awareness of environmental risks calls for a maximum reliability and operational safety, especially from sealing systems. Against this background, the sealing systems used in applications involving what are in many cases explosive, toxic or aggressive media must ensure optimum tightness. On the other hand, they should also help optimize processes and thus be of advantage where the economic aspects are concerned as well. From non-critical sealing points – for which standard solutions are deployed – right through to highly complex system solutions required where particularly difficult operating conditions are concerned.

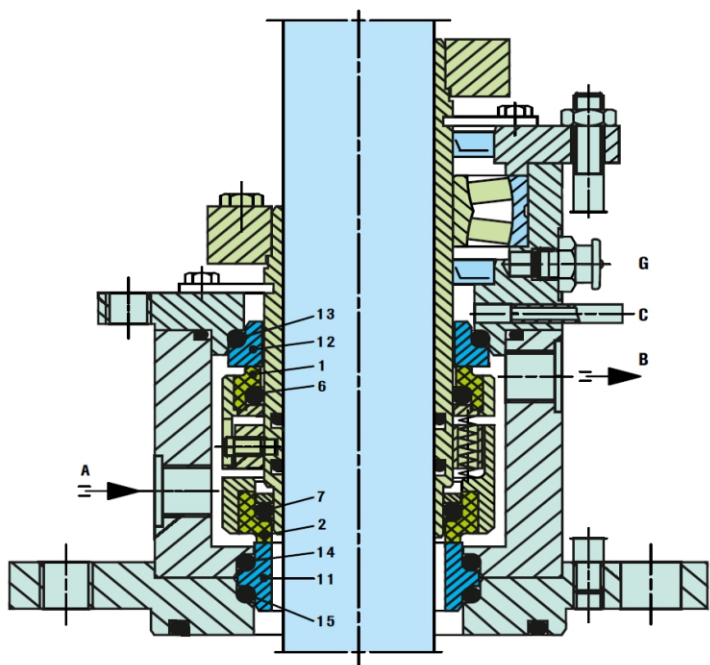


Operating Parameters Of U154KL – D Agitator Mechanical Seal							sealmatic®
Sr. No	Mechanical Seal Type	Size	Media	Temperature	RPM	API Plan	Stuffing Box Pressure (kg/cm ²)
1	91-U154KL-D20/200-G911	200 mm	Hydroxylamine Sulfate	45°C	170	54	6 kg/cm ²

As per the above-mentioned operating parameters. We are pleased to announce that Sealmatic Agitator Type U154KL double mechanical seal has been successfully delivered for Hydroxylamine Sulfate application. Thus, meeting customers' satisfaction by offering tailor made solutions, safety in operation and maintenance with a view to achieve highest safety standards.

Sealmatic Agitator Type U154KL Double Mechanical Seal

Type U154KL – D is a cartridge unbalanced design dual seal configuration available with integrated floating bearing. It can be applied at higher pressure and rotating speed. The seal is designed to be self-closing on the product side i.e., it will remain closed even with pressure variations or a pressure reversal.



Performance Capabilities

- Sizes: d3 = 40.... 220 mm (1.575"....8.625")
- Pressure: p1 = vacuum ... 16 bar (232 PSI), p3 = max. 18 bar (261 PSI)
- Temperature: t1* = -40 °C ... +200 (350) °C (-40 °F ... +392 (662) °F)
- Speed = 0 ... 5 m/s (0 ... 16 ft/s)

Typical Industrial Applications

- Agitators
- Chemical Industry
- Non-toxic media with single seal
- Pharmaceutical Industry
- Reactors
- Toxic Media with Double Seal

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