

# Purge gas recovery.

## Your individual needs.

Plants for the recovery of hydrogen, ammonia, argon and nitrogen from the purge gas streams generated by ammonia synthesis plants: Please answer the following questions in as much detail as possible to give us a better understanding of your needs.

Company name \_\_\_\_\_

First name \_\_\_\_\_ Surname \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

### 1. Purge gas

Flow rate Design \_\_\_\_\_

Maximum \_\_\_\_\_ Minimum \_\_\_\_\_

Pressure (abs.) \_\_\_\_\_ Temperature \_\_\_\_\_

Design composition H<sub>2</sub> \_\_\_\_\_ mol % N<sub>2</sub> \_\_\_\_\_ mol %

Ar \_\_\_\_\_ mol % CH<sub>4</sub> \_\_\_\_\_ mol %

NH<sub>3</sub> \_\_\_\_\_ mol % H<sub>2</sub>O \_\_\_\_\_ mol %

### 2. Gases you wish to recover

Hydrogen, gaseous Pressure (abs.) \_\_\_\_\_ Purity \_\_\_\_\_

Argon, liquid Pressure (abs.) \_\_\_\_\_ Purity \_\_\_\_\_

Nitrogen, liquid/gaseous Pressure (abs.) \_\_\_\_\_ Purity \_\_\_\_\_

Ammonia, liquid Pressure (abs.) \_\_\_\_\_ Purity \_\_\_\_\_

Fuel gas, gaseous Pressure (abs.) \_\_\_\_\_ Purity \_\_\_\_\_

### 3. Pressure (abs.) of synthesis gas compressor

Suction \_\_\_\_\_ Interstages \_\_\_\_\_

### 4. MP steam

Pressure (abs.) \_\_\_\_\_ Temperature \_\_\_\_\_

### 5. Cooling water

Temperature Supply \_\_\_\_\_ Return \_\_\_\_\_

### Contact

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