

# K-SERIES DIA VAC®

## Diaphragm Sampling Pumps



An Ingersoll Rand Business

The high-pressure K-Series Dia-Vac® pump is the newest addition to our line of ultra-high-quality gas sampling pumps.

Designed for continuous use, and available in **single and double head** configurations, the K-Series provides a flexible performance range of **up to 14 barG outlet pressure** to meet your specific gas sampling or recovery system requirements. In addition, proven reliability ensured by a robust construction composed of durable components make the K-Series the perfect match for **Emissions Monitoring** and **Gas Process Analytics** applications.

### Air Cooled Technology

The Dia-Vac® K Series pump operates up to 14 barG without the need for water cooling. This offers significant advantages in reduced total cost of ownership and maintenance of the pump. The K Series Dia-Vac® pump achieves this through efficient air flow design and optimization of the eccentric size, eliminating excess flow and heat of compression on the pump head.



## YOUR BENEFITS



### DURABLE

rugged design built to withstand particularly harsh environments



### RELIABLE

long product lifespan and easily field serviceable



### EXPLOSION PROOF

CSA, NEC, ATEX, and IECEx certified options available for hazardous area applications



### PERFORMANCE

Achieves pressures previously thought unattainable by gas diaphragm pumps



### HIGHLY CONFIGURABLE to your specific needs

The K-Series® modular design allows for customizations such as eccentric size, elevated head, double diaphragms, and various motor options to meet your application's specific needs.



### MADE IN THE USA AND AVAILABLE FOR QUICK DELIVERY!

The K-Series® is assembled at ADI's headquarters in Florida, USA so our experts can assemble pumps to match your application in a short amount of time.



### LONG LASTING, EASY TO MAINTAIN

The K-Series® is built for continuous operation, so your uptime is maximized. Its high quality components are made from state-of-the-art materials making the K-Series a dependable component of your system.



### ROBUST, PROVEN DESIGN

The K-Series® is built to deliver leak, oil, contamination, and corrosion free transfer of gaseous samples. Using 316 stainless steel wetted parts and Teflon diaphragms, this product line offers high chemical resistance, and it can withstand small amounts of water within the pump.

## APPLICATIONS



### GENERAL GAS SAMPLING, ANALYSIS, AND MONITORING



### GROUND WATER REMEDIATION (OZONE INJECTION)



### EMISSIONS TESTING

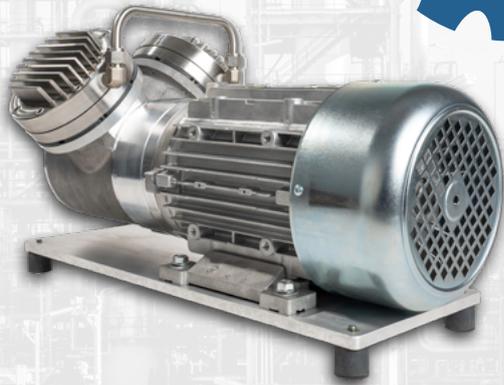


### BIOGAS



### GAS RECOVERY

# INDUSTRIES SERVED



## HOW TO ORDER

How to specify and order pumps from Air Dimensions.

| CAPACITY      |      |       | WETTED MATERIALS       |                   | POWER            |           |          | OPTIONAL  |
|---------------|------|-------|------------------------|-------------------|------------------|-----------|----------|---|
| STYLE         | ECC. | HEADS | HEAD                   | DIAPHRAGM         | TYPE             | VOLTS     | Hz       | OPTIONS   |
| K=Hi Pressure | 16   | 1     | F=316ss                | D=Double Tef/EPDM | C=Safe Area TEFC | A=115     | 1=60 1Ph | L = Elevated Head<br>P = EPOXY coating and SS fasteners |
|               | 18   | 2     |                        |                   | N=XP (Gr CD)     | B=230     | 2=50 1Ph |   |
|               | 20   |       |                        |                   | Q=ATEX/IECEx IIC | D=230/400 | 3=60 3Ph |   |
|               |      |       | W = UL/CSA Division II | E=230/460         | 4=50 3Ph         |           |          |   |

Example: K182-FD-WE3 = K-Series Dia-Vac<sup>®</sup> pump with 316 ss wetted parts, Double layer Teflon/EPDM diaphragm, 230/460v 50/60Hz Division II motor.

Please note that ADI will always attempt to accommodate any custom applications that you may have.



### OVER 50 YEARS OF EXCEEDING INDUSTRY STANDARDS

Built to exceed industry standards, ADI's pumps have long been known as premium quality products designed to stand up to the rigorous demands of gas sampling and monitoring even in the harshest environments. Whatever the application, our range of products and manufacturing capabilities allow us to meet your exact requirements.