



INTRODUCES...

Digital Vacuum & Pressure Gauges

J-KEM[®] Scientific



14063-10 Precision Vacuum Regulator

Perfect for vacuum distillation, unit automatically compensates for leaks in the equipment under test and maintains precise pressure, even in systems with a continuous gas purge. This computer (built-in) controlled vacuum regulator maintains pressure in the range of 0.1 to 760 Torr (atm pressure) in test instruments with volumes as small as 1 mL.

Standard features include 16-step programmable pressure ramp and serial communications for PC control and data logging.

J-Kem Model	Order Code
DVR-1000	14063-10

14066 Stainless Steel Proportioning Valves

Select one for use with Digital Vacuum Regulator 14063-10, above.

J-Kem Model	For Reactor Volumes	Cv	Orifice Size	Order Code
PSV-2	1 mL to 2 L	0.033	0.040 in.	14066-01
PSV-3	25 mL to 4 L	0.055	0.055 in.	14066-02
PSV-4	100 mL to 22 L	0.068	0.063 in.	14066-03
PSV-5	1 L to 50 L	0.12	0.093 in.	14066-04
PSV-6	Large Capacity	0.37	0.147 in.	14066-05
PSV-7	Large Capacity	0.7	0.234 in.	14066-06
PSV-8	Large Capacity	1.3	0.316 in.	14066-07
PSV-9	Large Capacity	2.0	0.375 in.	14066-08
DVR-PNV	Stainless Steel Needle Valve, improves regulation			14066-20

Ace Glass proudly introduces the entire J-Kem product line of temperature and vacuum controllers. J-Kem has established a leadership role in product performance and innovation over the past several years, offering both monitors and controllers for pressure, vacuum and temperature that cover the entire spectrum of product performance. Whether you need a simple monitor or an advanced controller, the ACE/J-Kem advantage offers it all. The J-Kem line features their KemNet software for data logging and control, as well as updated performance, and options like CE certification and USB data ports, as standard. See the individual listings for product specs, or contact Ace Technical Service for information.

Specifications:

Transducer

Diaphragm: Stainless Steel
 Accuracy: 0.1%
 Proof Pressure: 200%

Controller

Regulation: 0.015% of range
 Resolution: 0.1 Torr of 0.01 psi
 Vapor Path Materials: Stainless steel and PTFE
 Ramp Rates: 100 Torr/sec to 0.1 Torr/hr.
 Serial Communications: RS232
 (RS485 or USB on request)



**Recovers >99% of solvent
from rotary evaporators**

Solvent	DVR Pressure (mm Hg)	Solvent Volume	Time To Dryness	Percent Recovery
Ether	475 Torr	340 mL	14.6 min.	99.6%
CH ₂ Cl ₂	300 Torr	360 mL	21.9 min.	99.8%
CH ₂ Cl ₂	100 Torr	255 mL	5.9 min.	99.5%
EtOAc	90 Torr	316 mL	17.0 min.	99.9%
Toluene	50 Torr	273 mL	15.7 Min.	99.4%

Connect to any vacuum pump or vacuum source, and then to any piece of equipment, to regulate pressure, in most cases to ± 1 Torr. A standard pressure ramp feature evacuates equipment at a user-defined rate to eliminate bumping due to solvent degassing or over-evacuation. Ideally suited for large volume distillations, rotary evaporators and vacuum chambers. Not recommended for small volume distillations or applications which involve a continuous purge with gas.

14061-08 Vacuum Regulator *No Mercury*

Designed for vacuum systems that run continuously, such as oil-filled vacuum pumps, aspirators, or with systems that are "always on," like in-house vacuum systems. The unit regulates pressure by opening and closing a valve that separates the vacuum source from the system being evacuated.

J-Kem Model	Order Code
DVR-200	14061-08

14062-10 Vacuum Regulator *No Mercury*

Designed for use with diaphragm vacuum pumps. In some systems, pressure is regulated by turning the vacuum pump itself on and off. This unit extends the life of diaphragm pumps by never forcing the pump to start against an established vacuum, which can increase pump life by 100%.

J-Kem Model	Order Code
DVR-280	14062-10

14065-05 Digital Vacuum Monitor

Continuous, no regulation, 120V. Not pictured.

J-Kem Model	Order Code
DVM-100	14065-05



ACE GLASS INCORPORATED

P.O. Box 688
Vineland, NJ 08362-0688
856-692-3333
Fax: 856-692-8919

800-223-4524
Fax: 800-543-6752
www.aceglass.com
sales@aceglass.com