UNMS 010 SERIES
MICRO DIAPHRAGM GAS PUMPS

UNMS 010 KPDC-S

UNMS 010 KPDC-L

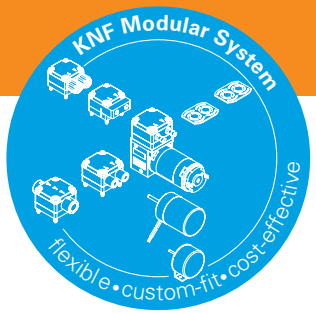
ADVANTAGES

- Customizing available
- Tested to customers specs
- High performance to size, efficiency and weight ratio
- Excellent reliability/durability
- Speed controllable
- Low sound level
- Long service life
- Uncontaminated transfer
- Maintenance-free
- High chemical resistance
- Can be installed in any position

POSSIBLE AREAS OF USE

- Medical devices
- Analytical equipment
- Emission measurement
- Reprographic
- Degassing
- Safety/Security
- Portable devices

Please visit our website
www.knf.com
to get more information.



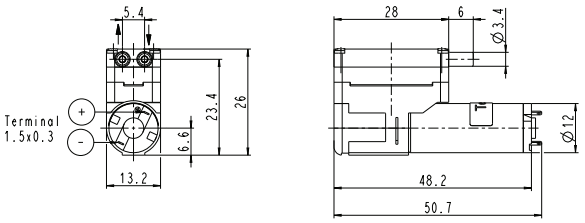
PERFORMANCE DATA			
Series Model	**UNMS 010**		
Material design	**KPDC-S**	**KPDC-L**	
Pump head	PPS		
Diaphragm	EPDM (FKM on request)		
Valves	EPDM (FKM on request)		
Flow rate at atm. pressure (l/min)	0.75	0.75	0.75
Ultimate vacuum (mbar abs.)	600	600	600
Ultimate pressure (bar g)	0.5	0.5	0.5
Permissible media and ambient temperature (° C/° F)	+5° C to +40° C / 41° F to 104° F *(-20° C to +60° C / -4° F to 140° F on request)*		
Weight (g/oz)	23/0.81	20/0.71	20/0.71
ELECTRICAL DATA			
Voltage (V)	5	3.3	5
Motor	DC	DC	DC
I_{max} (A)	0.14	0.19	0.11

UNMS 010 KPDC-S

PERFORMANCE DATA

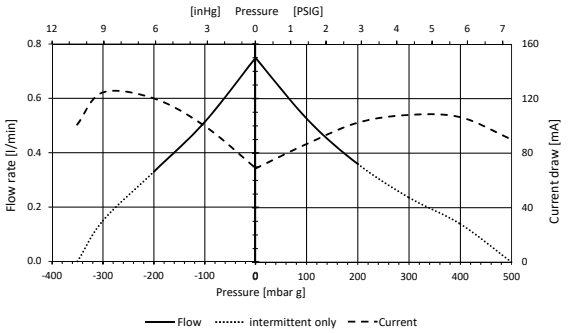
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar g)	Ultimate vacuum (mbar abs.)
UNMS 010 KPDC-S 5V	0.75	0.5	600

UNMS 010 KPDC-S



Dimensions in mm

UNMS 010 KPDC-S 5V FLOW CURVE

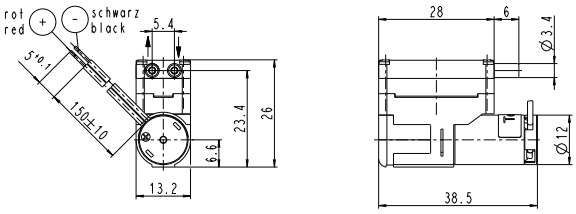


UNMS 010 KPDC-L

PERFORMANCE DATA

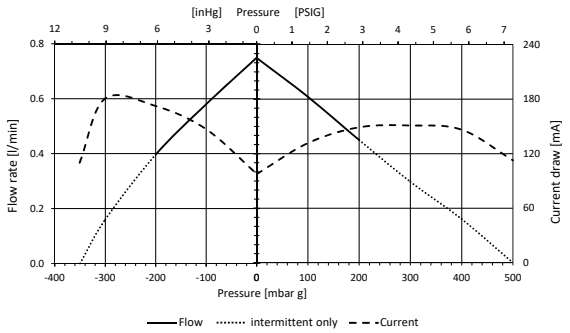
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar g)	Ultimate vacuum (mbar abs.)
UNMS 010 KPDC-L 3.3V	0.75	0.5	600
UNMS 010 KPDC-L 5V	0.75	0.5	600

UNMS 010 KPDC-L

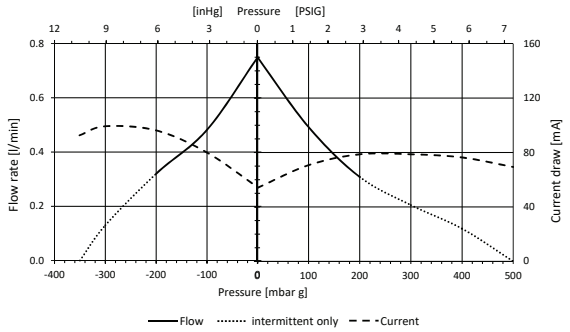


Dimensions in mm

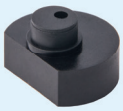
UNMS 010 KPDC-L 3.3V FLOW CURVE



UNMS 010 KPDC-L 5V FLOW CURVE



OPTIONS

Description	Illustration	Part No.	Details
Motors		On request	Other motors and voltages on request.
Eccentric		On request	Different eccentricities on request.

The performance values for the series models shown on this data sheet were determined under test conditions.
The actual performance values may differ and depend in particular on the usage conditions and therefore on the specific application, on the parameters of the components involved in the user's system and on any technical modifications carried out which deviate from the standard configuration or the as delivered condition.

If individual designs have been created for specific customers on the basis of series models, other technical performance data may apply.
Before operation begins, the relevant operating instructions and/or assembly or installation instructions should be read and the safety information contained in these instructions should be noted.
KNF reserves the right to make changes to the product and the associated documentation without prior notice to the customer.

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