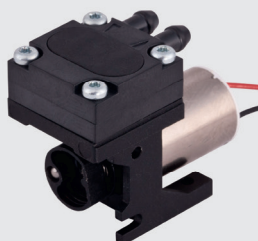


UNMP 05 SERIES MICRO DIAPHRAGM GAS PUMPS



UNMP 05KPDC-S



UNMP 05KPDC-M



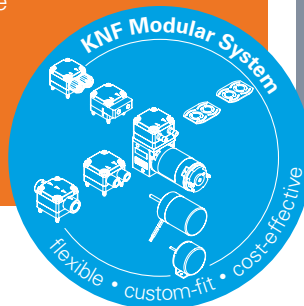
UNMP 05KPDC-L

ADVANTAGES

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

POSSIBLE AREAS OF USE

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



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PERFORMANCE DATA

Series Model	UNMP 05					
Material design	KPDC-S		KPDC-M		KPDC-L	KPDC-B
Pump head	PPS					
Diaphragm	EPDM					
Valves	EPDM					
Flow rate at atm. pressure (l/min)	0.25	0.4	0.4	0.3	0.45	0.4
Ultimate vacuum (mbar abs.)	600	600	600	600	550	500
Ultimate pressure (bar g)	0.35	0.4	0.3	0.3	0.4	0.45
Permissible media and ambient temperature	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)	15/0.53	18/0.63	17/0.60	20/0.71	26/0.92	22/0.78

ELECTRICAL DATA

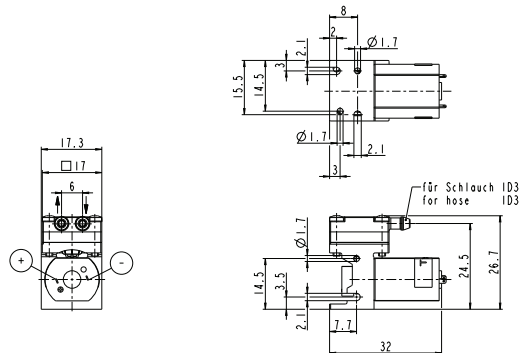
Voltage (V)	3	5	2.5	6	6	6
Motor	DC		DC		DC	Brushless DC
I _{max} (A)	0.12	0.14	0.11	0.055	0.09	0.12

UNMP 05KPDC-S

PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar g)	Ultimate vacuum (mbar abs.)
UNMP 05KPDC-S 3V	0.25	0.35	600
UNMP 05KPDC-S 5V	0.4	0.4	600

UNMP 05KPDC-S



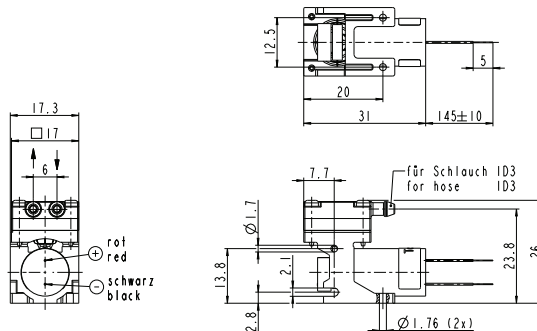
Dimensions in mm

UNMP 05KPDC-M

PERFORMANCE DATA

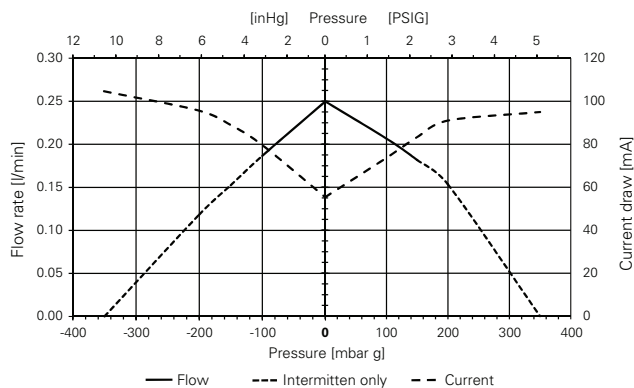
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar g)	Ultimate vacuum (mbar abs.)
UNMP 05KPDC-M 2.5V	0.4	0.3	600
UNMP 05KPDC-M 6V	0.3	0.3	600

UNMP 05KPDC-M

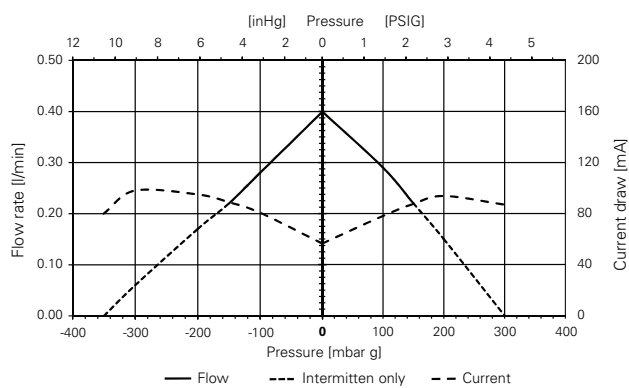


Dimensions in mm

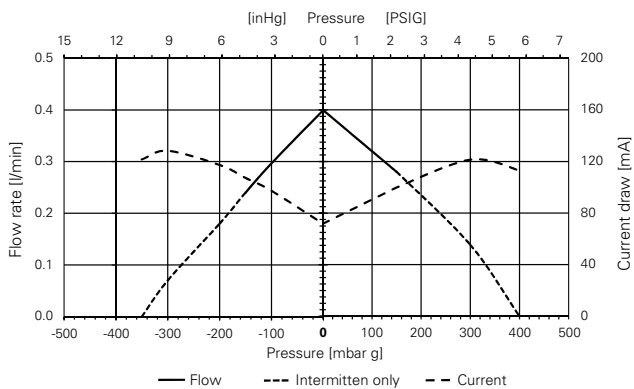
UNMP 05KPDC-S 3V FLOW CURVE



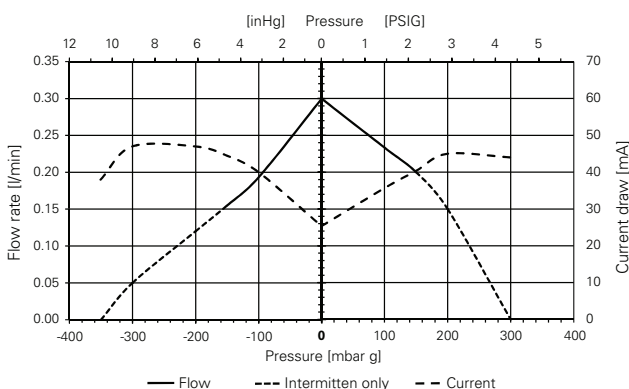
UNMP 05KPDC-M 2.5V FLOW CURVE



UNMP 05KPDC-S 5V FLOW CURVE



UNMP 05KPDC-M 6V FLOW CURVE

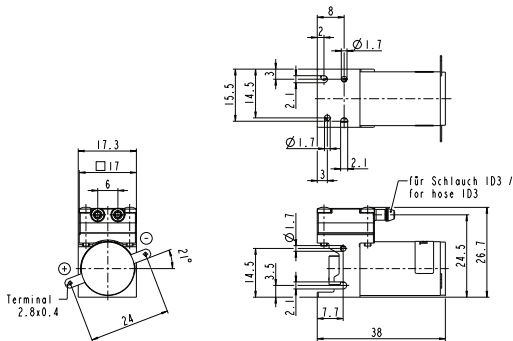


UNMP 05KPDC-L

PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar g)	Ultimate vacuum (mbar abs.)
UNMP 05KPDC-L 6V	0.45	0.4	550

UNMP 05KPDC-L



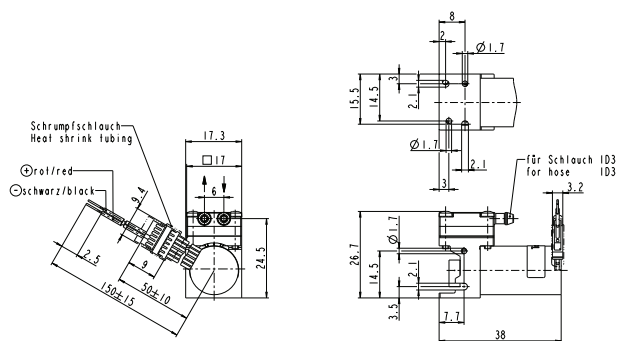
Dimensions in mm

UNMP 05KPDC-B

PERFORMANCE DATA

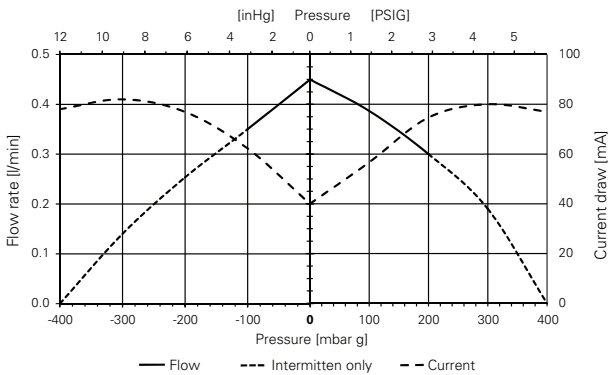
Series model	Flow rate at atm. pressure (l/min)	Max. operating pressure (bar g)	Ultimate vacuum (mbar abs.)
UNMP 05KPDC-B 6V	0.4	0.45	500

UNMP 05KPDC-B

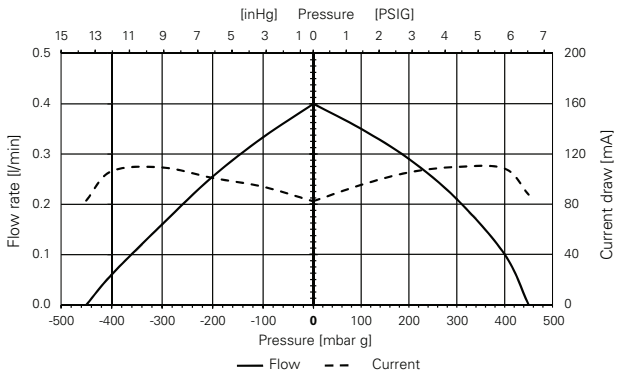


Dimensions in mm

UNMP 05KPDC-L 6V FLOW CURVE



UNMP 05KPDC-B 6V FLOW CURVE



OPTIONS

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

ACCESSORIES

Description	Illustration	Part No.	Details

SPARE PARTS

Description	Illustration	Part No.	Details

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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