N 036.0 SERIES | TEMPERATURE-RESISTANT AND HEATED GAS SAMPLING PUMPS

Double-headed N 036.0 ST.16 E

ADVANTAGES

- Temperature-resistant (.16) or electrically heated with thermostatic temperature control (.11) for gases up to 240 °C / 460 °F
- Available with or without insulation cover assembly
- Enclosure mounting options
- High chemical resistance
- Homogeneous temperature distribution throughout the entire pump head
- Prevents condensation in the pump head
- HazLoc versions available

POSSIBLE AREAS OF USE

- Environmental monitoring – especially motor test benches in automobile industry
- Analytical technology
- Research

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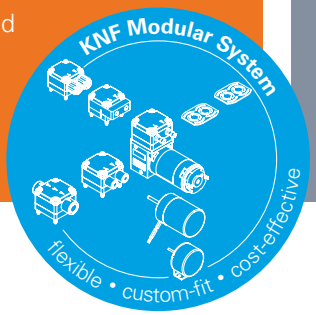
www.knf.com
to get more information



PERFORMANCE DATA			
Series model	**N 036.0**		
Material design	**AT.16 E**	**ST.16 E**	**ST.11 E**
Pump head	Aluminum	316 Stainless steel	
Diaphragm	PTFE		
Valves	PTFE		
Flow rate at atm. pressure (l/min)	30.0 per head		
Ultimate vacuum (mbar abs./inHg)	200/24		
Max. operating pressure (bar g/psig)	1.5/21.8		
Permissible ambient temperature (°C/°F)	10° C to 40° C / 50° F to 104° F		
Permissible media temperature (°C/°F)	5° C to 240° C / 41° F to 460° F		
Weight (kg/lbs)	18.2/40.1	22.2/48.9	22.0/48.5
ELECTRICAL DATA			
Voltage (V)	115		
Motor	Capacitor motor		
Motor protection class	IP 54		
Frequencies (Hz)	60		
Power P_1 (W)	506		
I_{max} (A)	4.4		

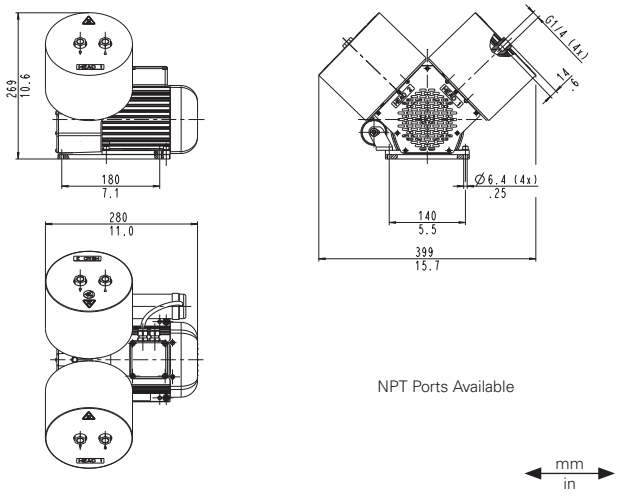
N 036.0 AT.16 E | ST.16 E

PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)[1]	Max. operating pressure (bar g/psig)	Ultimate vacuum (mbar abs./ inHg)
N 036.0 AT.16 E	30.0	1.5/21.8	200/24
N 036.0 ST.16 E	30.0	1.5/21.8	200/24

[1] Flow rate determined at 20°C/68°F, 1013 mbar abs.

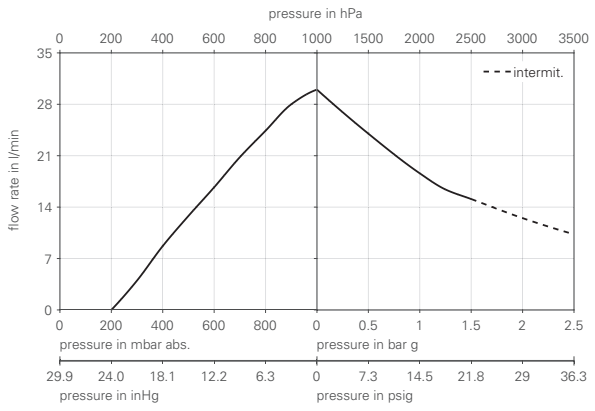
N 036.0 _T.16 E



NPT Ports Available

mm
in

N 036.0 _T.16 E | FLOW RATE PER PUMP HEAD



N 036.0 ST.11 E

PERFORMANCE DATA

Series model	Flow rate at atm. pressure (l/min)[1]	Max. operating pressure (bar g/psig)	Ultimate vacuum (mbar abs./ inHg)
N 036.0 ST.11 E	30.0	1.5/21.8	200/24

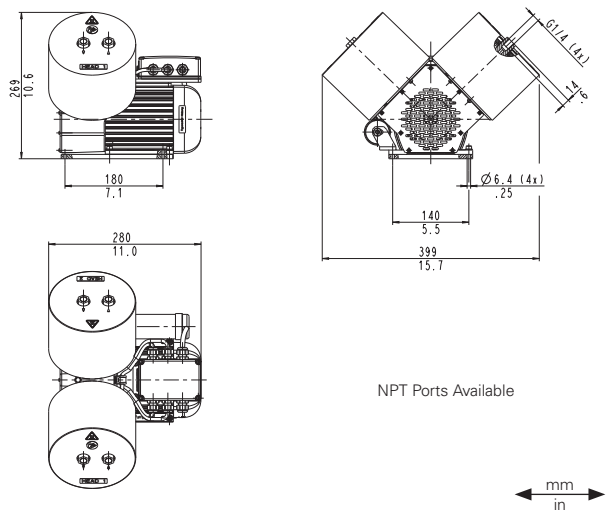
[1] Flow rate determined at 20°C/68°F, 1013 mbar abs.

HEATING: N 036.0 ST.11 E

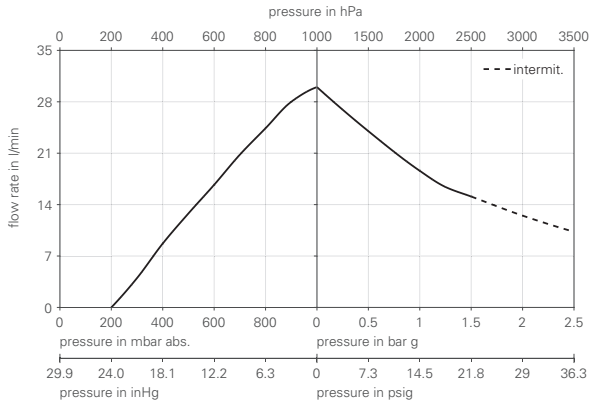
Protection class	IP 20
Voltage (V), Frequencies (Hz)	115, 60
Power P_1 (W)	800
I_{max} (A)	7.2
Heating temperature (°C/°F)	240/460

In standard configuration, temperature is set separately for each pump head. A shared temperature specification for both pump heads is available as an option (see operating instructions).

N 036.0 ST.11 E



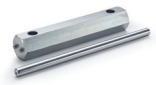
N 036.0 ST.11 E | FLOW RATE PER PUMP HEAD



OPTIONS

Description	Illustration	Part No.	Details

ACCESSORIES

Description	Illustration	Part No.	Details
Wrench for retainer plate		018812	

SPARE PARTS

Description	Illustration	Part No.	Details
Valve plate		054112	requires 2 qty per head
Wave diaphragm 3-ply		054111	requires 1 qty per head
O-ring		055676	requires 2 qty per head
Full repair kit (valve plate, diaphragm, O-ring)		208314	contains all necessary spare parts in one package. Requires 1 qty per head
Disc spring		056021	optional for replacement only (original qty = 48 per head)

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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