



ANKERSMID Diaphragm pump AMP 26 Series

Application

Despite its small size the mini diaphragm vacuum pump offers a high level of performance. It is used especially in the fields of analysis, medicine and production technology.

The pumps are used for application such as sucking gases, taking samples (even liquids in a vacuum) and evacuating vessels.

The AC models are suited for use in machinery which is permanent or mains-operated.



* Picture may vary

Description

The pumps are equipped with the patented stress-optimized structured diaphragm, resulting in a high pneumatic performance, a durable product and compact size.

Special valves ensure that the product copes well with vapor and condensation that could be present in the gas stream.

Principle

The basic construction of the AMP diaphragm gas sampling pumps is simple. An elastic diaphragm is moved up and down by an eccentric (see illustration). On the down-stroke it draws the air or gas being handled through the inlet valve. On the up-stroke the diaphragm forces the medium through the exhaust valve and out of the head. The compression chamber is hermetically separated from the drive mechanism by the diaphragm. The pumps transfer, evacuate and compress completely oil-free.



- **No contamination of the media due to oil-free operation**
- **Low maintenance**
- **High performance because of structured diaphragm**
- **High level of gas tightness**
- **Long product life thanks to structured diaphragm**
- **Very quiet and little vibration**
- **Copes well with vapour and condensation**
- **Cool running motor even when in constant use**
- **Can operate in any installed position**



ANKERSMID Diaphragm pump
AMP 26 Series

Technical data

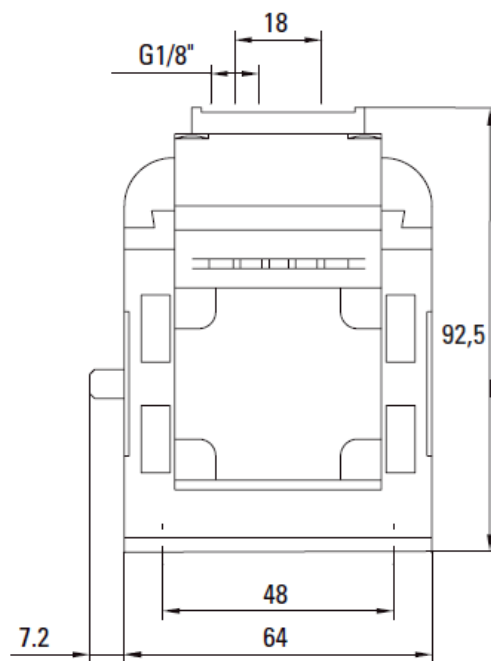
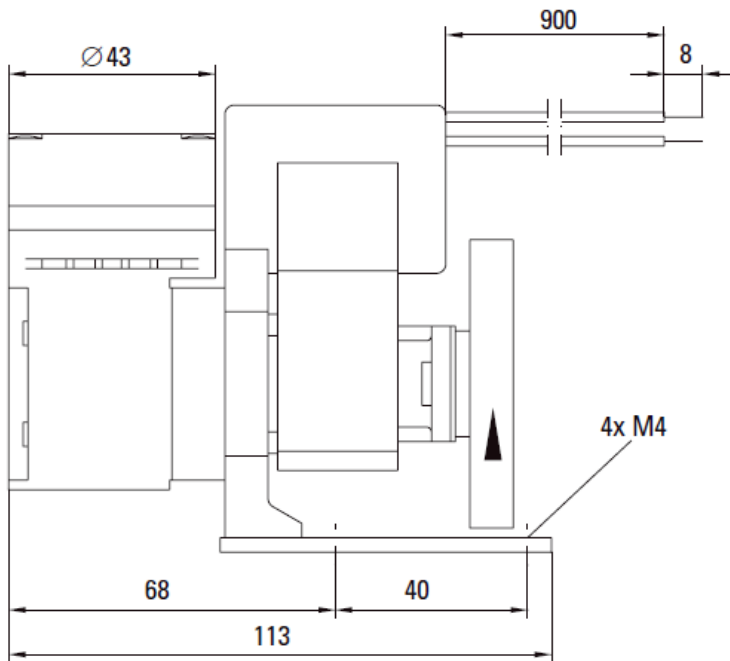
Model AMP	AMP 26 E	AMP 26 S	AMP 26 C/F
Housing version	Without housing	Without housing	With housing
Capacity at atm. Pressure (l/min)	5,5	3	5,5
Max. operating pressure (bar g)	2,5	2,5	2,5
Vacuum (mbar abs.)	160	160	160
Sample gas inlet/outlet	G1/8" f		
Materials			
Pump head	PPS/Ryton®		
Diaphragm	PTFE-coated		
Valves	FFPM/Kalrez®		
Sample and ambient temperature	+5°C to 40°C		
Electrical connection	Wire 4 x 0,5mm ²		Cold appliance plug with 2 fuses 230V - 1A/ 115V - 3,2A 2,5m of cable and power switch
Power (W)	60		
Protection class	IP00	IP00	IP20
Protector	Thermo switch, double (115V/230V)		
Operating current (A)	0,65		
Weight (Kg)	1,1	1,1	1,9
Power supply	230/115V, 50/60Hz	230/115V, 50/60Hz	230V, 50Hz (C) 115V, 60Hz (F)

PTFE = Polytetrafluoroethylene (Teflon®)
 PPS = Polyphenylene Sulfide (Rypton®)
 FFPM = Perfluorinated Elastomer (Kalrez®)

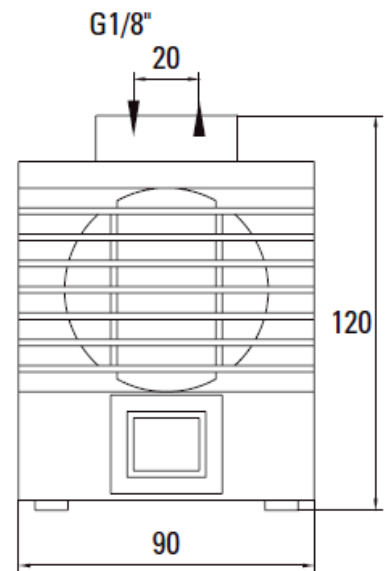
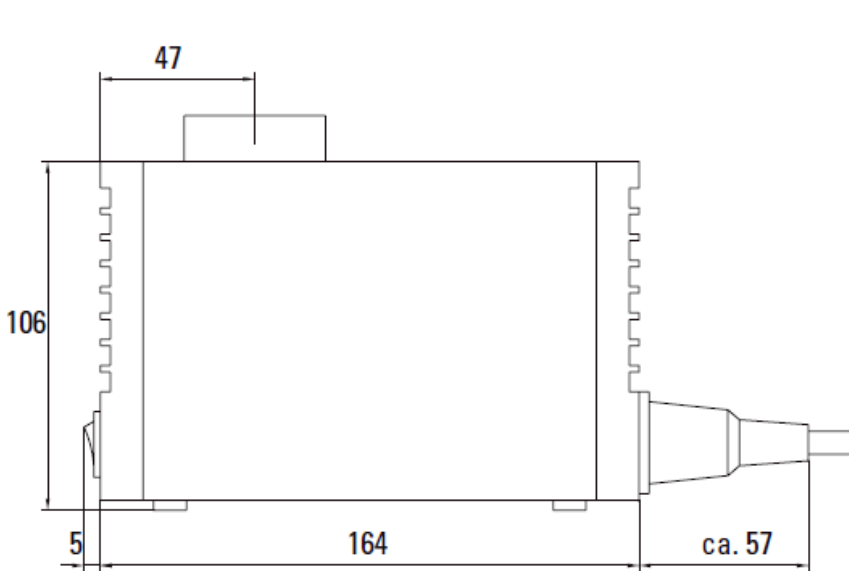


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AMP 26 E/S Series

Dimensions



AMP 26 C/F Series



All dimensions in mm