INNOVATIVE
TECHNOLOGY
WORLDWIDE

NEUBERGER

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Diaphragm Pumps + Systems
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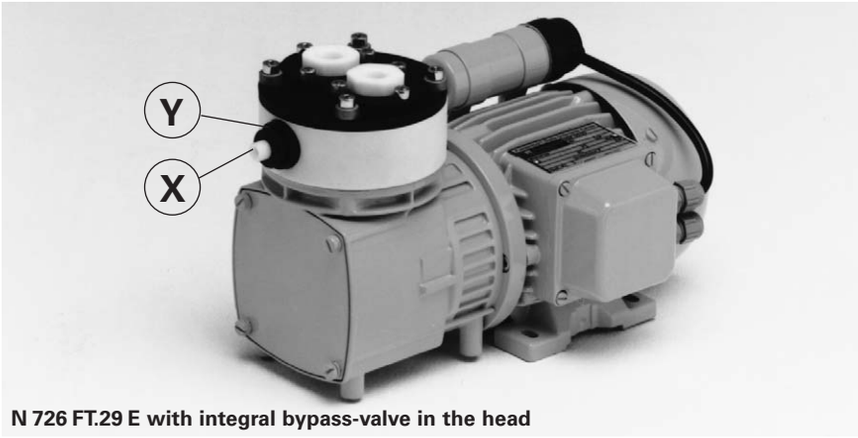
Chemically resistant Vacuum Pump and Compressor

with adjustable flow-rate

Data Sheet E 163

N 726 FT.29 E

Single head diaphragm pump with integral bypass-valve, corrosion resistant



N 726 FT.29 E with integral bypass-valve in the head

Features:
- Flow can be regulated by adjusting the integral bypass-valve
- Easily adaptable to different sampling systems
- 100% oil-free
- Contamination-free pumping of air, gas or vapour
- Corrosion resistant
- Virtually no maintenance
- Gastight (leakage $< 6 \times 10^{-3}$ mbar·l/s)
- Electrical equipment to VDE

Advantages
1. Simple and sensitive adjustment of the flow on both pressure and suction sides.
2. Flow can be adjusted during use.
3. Additional components such as bypass arrangements, valves etc. are unnecessary.

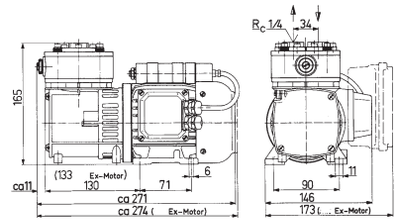
Performance:

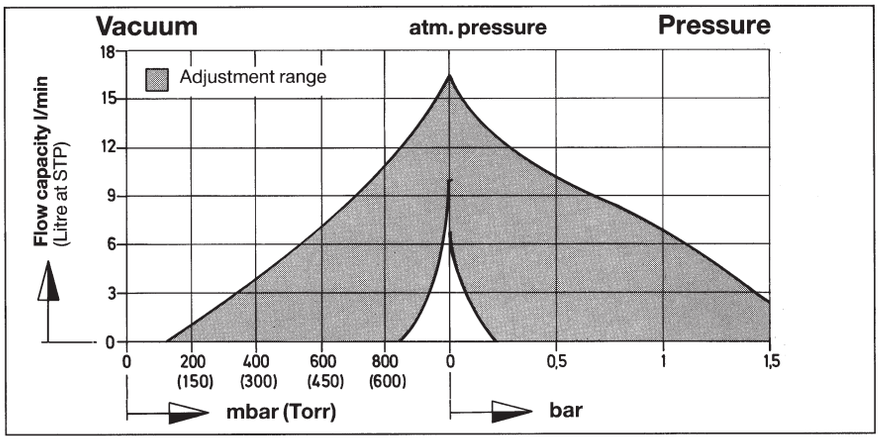
Delivery rate,
adjustment range: 6,7 to 16 l/min.
(at atm. pressure and 20°C). The flow is varied by loosening the knurled nut **Y** and turning the screw **X** to adjust the bypass-valve – see "Adjusting the flow" (right) and Operating Instructions.

Ultimate vacuum: 125 mbar (92 Torr)
(at maximum flow)

Max. pressure: 1,5 bar g
(at maximum flow)

Dimensions (mm)





Gas-contact parts:

Diaphragm head	PTFE	
Diaphragm	PTFE	coated
Valves	PTFE	

Technical Data:

Max. permissible gas and ambient temperature	40°C
Single phase motor	230 V, 50 Hz, 130 W
Operating current	1,0 A
3-phase motor	230/400 V, 50 Hz, 120 W
Operating current	0,8/0,45 A
Motor protection	IP 44

Weight: 5,5 kg
Motors for other voltages, frequencies and protection classes (e.g. explosion proof to ATEX) on request.

Adjusting the flow
The flow may be adjusted within the limits of the shaded area on the performance diagram. First loosen the knurled nut **Y** then turn the screw **X** anti-clockwise to increase the flow. Finally tighten the knurled nut to lock the screw **B**.

Accessories:

Hose connector (PVDF) for hose ID 8 mm	No.: 009111
Tube fitting (PVDF) for tube OD 6 mm	No.: 009110

KNF reserve the right to make changes

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