



Vacuum Pumps for Ammonia

Two-stage, Oil Sealed, Rotary Vane, Vacuum Pumps

RD 9/18 NH₃



Specially designed for use in medium and high vacuum applications evacuating ammonia atmospheres, materials of construction and design are specifically directed at chemical and mechanical resistance, resulting in a robust and reliable pump.

Design features:

Anti suck back valve: Safety feature preventing pump oil from being sucked back into the system when the pump switches off (Models RD-9 NH₃ and RD-18 NH₃).

Forced lubrication: An easy to replace oil filter provides a constant flow of clean oil (Models RD-35 NH₃ and RD-70 NH₃).

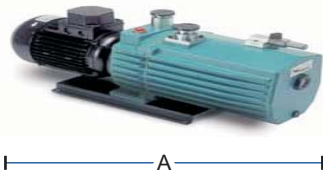
Cooling: Natural convection.

Flanges: Inlet and outlet ports are fitted with Pneurop (KF) system flanges, making accessories easier to fit.

Quality guarantee: Each pump is individually inspected and tested.

All parts in contact with ammonia gases are chemically resistant to them.

Dimensions (mm)



There are many industrial vacuum applications where ammonia vapours or mixtures containing ammonia vapour are present. To address this, **Telstar** has launched the **NH₃ Vacuum Pump Series**, specially designed for chemical and mechanical resistance when operating in these environments.

Specifications:

FEATURES	UNITS	RD-18
Pumping speed	m ³ /h*	20
Ultimate partial pressure ¹	mbar*	2.10 ⁻⁴
Ultimate total pressure ²	mbar*	3.10 ⁻²
Water vapour tolerance ²	mbar*	15
Oil filling	l	1.8
Weight with single-phase motor	Kg	40
Weight with three-phase motor	Kg	33
Nominal speed at 50 Hz ³	rpm	1430
Single-phase motor power 230V	kW	1.1
Three-phase motor power 230/400V	kW	0.75
KF Flange		25
Single phase motor dimension (A)	mm	635
Three phase motor dimension (A)	mm	610

*Measured according to Pneurop Standards, ISO 1607/1 and 1607/2

¹ Without gas ballast

² With gas ballast

³ Standard. Other voltages/frequencies available upon request

Part No.

HF 06 143	RD-18	a	220V/ Single Phase
HF 06 144	RD-18	a	220V/400V Three Phase