



# Vacuum Pumps for Ammonia

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

RD 9/18 NH<sub>3</sub>



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 NH<sub>3</sub> and RD-18 NH<sub>3</sub>).

**Forced lubrication:** An easy to replace oil filter provides a constant flow of clean oil (Models RD-35 NH<sub>3</sub> and RD-70 NH<sub>3</sub>).

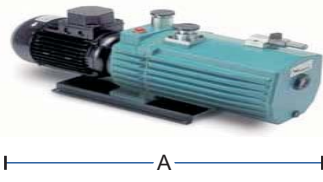
**Cooling:** Natural convection.

**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 **NH<sub>3</sub> Vacuum Pump Series**, specially designed for chemical and mechanical resistance when operating in these environments.

### Specifications:

FEATURES	UNITS	RD-18
Pumping speed	m <sup>3</sup> /h*	20
Ultimate partial pressure <sup>1</sup>	mbar*	2.10 <sup>-4</sup>
Ultimate total pressure <sup>2</sup>	mbar*	3.10 <sup>-2</sup>
Water vapour tolerance <sup>2</sup>	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 <sup>3</sup>	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

<sup>1</sup> Without gas ballast

<sup>2</sup> With gas ballast

<sup>3</sup> 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