



NH<sub>3</sub>-AMMONIA  
(R717)



FOX

**FOX-R717 (NH<sub>3</sub>)**

4 ways digital manifold for R717 (ammonia)

FOX-R717 is realized on purpose with steel fittings suitable to work with R717 (ammonia).

- 4-way piston manifold with 3 x 1/4" SAE connections (LOW-HIGH-REF) and 1 x 1/4" SAE connection (VAC).
- 4 flexible hoses 1500mm for R717.
- Database with more than 50 refrigerants (CFC, HCFC, HFC, Hydrocarbons and HFO).
- 1 ambient temperature probe.
- 2 temperature probes Type K (Range -99.9 ÷ 200°C), 3 m cable.
- 2 pressure transducers (Range -0.99 ÷ +49.90 bar).
- Max operating pressure 56 bar.
- Class of precision better than 1% FS.
- "ZERO PLUS" recalibration function.
- Temperature range: -99.9 ÷ 400 °C.
- Digital display (with back-lighting).
- Extractable hook to help fixing the manifold in every condition.
- Soft-Touch covering.

Code	Model	Dimensions	Weight
04080001004	FOX-R717	360 x 320 x 120 mm	3 kg

Available also in FOX-ONE version.

**Readings displayed**

Low pressure side (LOW)  
 High pressure side (HIGH)  
 Temperature T1  
 Temperature T2  
 Ambient temperature  
 Refrigerant saturation temperature (LOW)  
 Refrigerant saturation temperature (HIGH)  
 Calculating the temperature difference (T2-T1)  
 Subcooling  
 Superheating  
 Refrigerants type

**Calibration**

Code	Model
09053012	Calibration report ref. Accredia for FOX
14025158	Refrigerant database update

**Spare parts**

Rif	Code	Model	Description
A	04111015	PWP-A	Complete steel piston
B	14021023001	PWKG-A L	LOW steel knob kit
B	14021024001	PWKG-A H	HIGH steel knob kit
B	14021025001	PWKG-A R	REF steel knob kit
B	14021026001	PWKG-A V	VAC steel knob kit
	06001183	HDSS/4-4/60-R717	Flexible hoses 1500mm for R717
	09012013	TK 109	Universal probe
	09012037	TK 109/STRIP	Universal probe with strip
	09012019	TK 104	Ambient probe
	09012020	TK 105	Surface probe
	09012016	TK 106	Insertion probe
	09012017	TK 107	Camp-on probe



A



B

**RS9DE-NH<sub>3</sub>**

 High vacuum pump for NH<sub>3</sub>

 Especially designed to work with NH<sub>3</sub> Ammonia (R717).

- Solenoid valve on the suction.
- Dual fitting on the suction side.
- Equipped with 5m hose for vapour discharge.



Code	Model	Dimensions	Weight
02099039	RS9DE-NH3	350 x 150 x 280 mm	12,5 kg


**Technical features**

Swept volume	180 lt/min
Ultimate vacuum	1x10 <sup>-2</sup> mbar
Power supply	230
Nominal power	370 W
Protection degree	IP54
Oil charge	450 cc
Connections	2x1/4"SAE


**Spare parts**

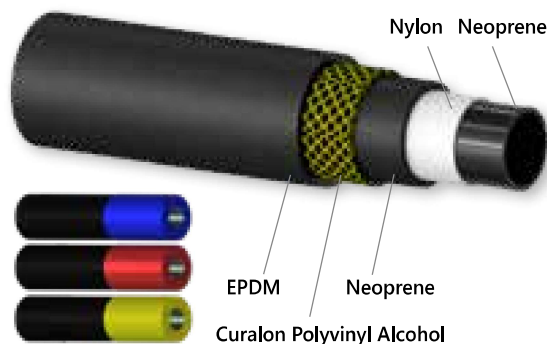
Code	Descrizione
06053012	Vapour discharge hose 5m x 8mm


**Spare parts and accessories**

**VACUUM PUMP OIL**

Code	Model	Viscosity	Capacity	Type	Mn. Qty	Dimensions	Weight
12002003	K1L	46	1000 cc	Mineral	12	110 x 160 x 250 mm	1 kg
12002017	W68	68	1000 cc	Ester	9	50 x 50 x 70 mm	1 kg

To maintain the performances of the vacuum pump, we recommend changing the oil after each use.



### "HD" SERVICE HOSE

Reinforced HEAVY DUTY hose with low permeability barrier and wear-resistant coating SAE J2196 - SAE J2888 - SAE J2064

In addition to the model mentioned below, hoses of any length can be delivered.



#### Technical features

In accordance with	SAE J2196 - SAE J2888 - SAE J2064
Working pressure	5,2 MPa
Bursting pressure	27,6 MPa
Internal d.	1/4"
Working temperature	-30 ÷ +125°C



Kit of 3 HD service hoses for NH<sub>3</sub> (R717) with straight x straight connections, in a plastic bag

Code	Model	Length	Connections	Dimensions	Weight
06010023	3HDSS/4-4/60//R717	1500 mm	1/4"SAE	250 x 250 x 50 mm	0,8 kg

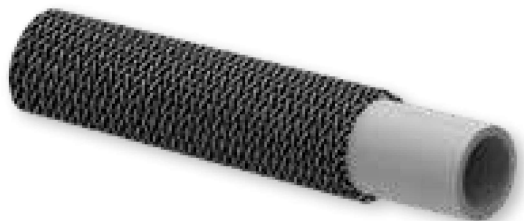
### PTFE SERVICE HOSES

High pressure PTFE hoses with stainless braid

The stainless steel metallic braid guarantees high performances at high pressures. The stainless steel allow to work in acid environments.

These features make these hoses suitable for R717 (NH<sub>3</sub>-Ammonia) applications.

In addition to she model mentioned below, hoses of any length can be delivered.



#### Technical features

Outside diameter	7,5 mm - 8,6 mm
Inner diameter	5 mm - 3.16"
Core material	PTFE compatible with refrigerants
Outer covering	AISI 304 steel braid
Max operating pressure	200 bar
Working temperature	-60 ÷ +260°C
Min. radius of curvature	64 mm
Weight	94 g/m



Kit of 3 PTFE service hoses for NH<sub>3</sub> (R717) with straight x straight connections, in a plastic bag

Code	Model	Length	Connections	Dimensions	Weight
06102005	3NHSS/4-4/60	1500 mm	1/4"SAE	430 x 230 x 20 mm	0,5 kg