



CO₂ (R744)
 **WIGAM**

NITROGEN
PRESSURE TEST



FOX-R744

2 ways digital manifold for CO₂ (R744)

FOX-R744 is realized on purpose to work with CO₂ (R744).

FOX-R744 has the same performances as the other Fox series (see page 58).

Functions:

- Maximum operating pressure 160 bar.
- 200 bar overpressure.
- 2 pressure transducers (0-160 bar).
- Precision class better than 1% FS.
- Type K temperature probes.
- Room temperature probe.
- 2-way piston manifold with 3 connections 1/4" SAE.
- Pressure test with nitrogen.

Standard equipment:

- 2 probes TK109.

Code	Model	Dimensions	Weight
04080001006	FOX-R744	360 x 320 x 120 mm	3 Kg



Calibration

Code	Model
09053012	Calibration report ref. Accredia for Fox



PROBES
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Accessories and spare parts for FOX-R744 and manifolds for R744

Ref	Code	Model	Description
A	04111016	PWP-CO2	Complete piston
B	14021027001	PWKG-CO2 L	LOW knob kit
B	14021028001	PWKG-CO2 H	HIGH knob kit
C	09012013	TK 109	Universal temperature probe
D	09012037	TK 109/STRIP	Universal temperature probe with strip
E	09012019	TK 104	Ambient probe
F	09012020	TK 105	Surface probe
G	09012016	TK 106	Inserion probe
H	09012017	TK 107	Clamp-on probe



CO₂ (R744) MANIFOLD KIT

2 ways piston manifold kit with Ø80 oil filled gauges for R744, class 1 with regulation screw and stainless steel case, 3 flexible hoses in plastic case.

Code	Model	Connections	Bar pressures
04101119	K-PF2ML/D5-4-COS	1/4"SAE	-1 +100 / 0 +160

Code	Dimensions	Weight
04101119	360 x 320 x 120 mm	2,5 kg



CO₂ (R744) MANIFOLD

2 ways piston manifold with Ø80 oil filled gauges for R744, class 1 with regulation screw and stainless steel case.

Code	Model	Connections	Bar pressures
04022060	PF2ML/D5-4/K1	1/4"SAE	-1 +100 / 0 +160

Code	Dimensions	Weight
04022060	240 x 220 x 70 mm	0,9 kg



CO₂ (R744) GAUGES - RADIAL CONNECTION

Pressure gauge, Ø 80, oil filled, class 1, radial connection 1/8NPT, with regulation screw and stainless steel case.

Code	Model	Bar pressures
07113001	ML80/100R1/D5/K1	-1 +100
07113002	ML80/160R1/D5/K1	0 +160

Code	Dimensions	Weight
07113001	100 x 90 x 40 mm	0,3 kg
07113002	100 x 90 x 40 mm	0,3 kg



CO₂ (R744) GAUGES - REAR CONNECTION

Pressure gauges, Ø 80, oil filled, class 1, rear connection 1/4 SAE, mounting bracket and stainless steel case.

Code	Model	Bar pressures
07113014	ML80/100C4S/D5/K1	-1 +100
07113015	ML80/160C4S/D5/K1	0 +160

Code	Dimensions	Weight
07113014	90 x 90 x 70 mm	0,3 kg
07113015	90 x 90 x 70 mm	0,3 kg





LOCK-VALVE-R744

CO₂ (R744) ACCESS VALVE

- Max operating pressure 160bar.
- Very efficient tightness that guarantees no gas leaks.
- Extremely reduced volumes that prevent gas leaks during the valve connecting or disconnecting phase.
- Very easy to handle.
- Prevent the risk of finger burns when disconnecting the valve.
- Superior construction accuracy.
- PTFE seals.

Code	Model	Connections
05059064001	LOCK-VALVE1/4-744	1/4" SAE F x 1/4" SAE M

Code	Dimensions	Weight
05059064001	140 x 100 x 20 mm	0,10 Kg



CO₂ (R744) KIT OF 3 FLEXIBLE HOSES 1500 MM

PTFE hose with stainless steel coating.

Code	Model	Connections
06103002	3COSS/4-4/60	1/4" SAE

Code	Dimensions	Weight
06103002	430 x 230 x 20 mm	0,5 kg



Technical features

Working max. pressure	200 bar (20 MPa)
Busting pressure	800 bar (80 MPa)
Operating temperature	-60 °C ÷ +200 °C



Spare parts and accessories



B



C



Ref	Code	Model	Description	
A	14020097	G-LV/T-WIG	Kit 5 pcs LOCK-VALVE gaskets	5
B	08008059	LOCK-VALVE-CARE	Gaskets easy replacement tool for LOCK-VALVE, EW and flexible hoses	-
C	08008065	LOCK-VALVE-CARE-WIG	Counter display with 10 pcs of LOCK-VALVE-CARE	10

NITROGEN REGULATOR (0-200 BAR) FOR CO₂ (R744) SYSTEMS

200 bar
Special
for R744.

Code	Model	Countries	Connections
10002039	WN2-200	IT	W 27.1 x 1/14" M
10002041	WN2-200/D	F-B-P-E	Ø21.7 x 1.814F
10002040	WN2-200/E	GB	G 5/8" M
10002042	WN2-200/C	D	W 24.32 x 1/14" F

Code	Dimensions	Weight
10002039	220 x 150 x 150 mm	2,3 kg
10002041	220 x 150 x 150 mm	2,3 kg
10002040	220 x 150 x 150 mm	2,3 kg
10002042	220 x 150 x 150 mm	2,3 kg



Technical features

Inlet pressure	300 bar (30 MPa)
Outlet pressure	0-200 bar (0 - 20 MPa)
Connections	1/4" SAE M
Regulation system	Piston
Inlet gauge	0-400 bar FS
Outlet gauge	0-400 bar



CO₂ (R744) TEST SYSTEM KIT

Complete with gauge 0-200 bar (3080 psi) with reference indicator.
Hose total length 1750 mm (1500 mm + 250 mm)..

Code	Model
05015014	COSS/4-4/6OV8/PF80/N2-K1

Code	Dimensions	Weight
05015014	220 x 240 x 70 mm	1 kg



ADAPTER FOR CO₂ (R744) BOTTLE

Code	Model	Connections
05055009	816/2	21.8W-1/4"D x F x 1/4" SAE M





EXACTA-MAXI-CO₂

CO₂ (R744) electronic programmable scale

Very accurate charges, programmable by microprocessor.

Professional scale pan: 300 x 300 mm.

Code	Model	Dimensions	Weight
09013022	EXACTA-MAXI-CO2	460 x 350 x 170 mm	8,5 kg



Technical features

Capacity	100 kg
Resolution	± 2 gr up to 9.999 gr (capacity 30 kg) ± 10 gr (capacity 10 kg)
Accuracy	± 5 gr up to 30 kg ± 10 gr > 30 kg
Scale pan dimensions	300 x 300 mm
Operating temperature	0 - 50 °C
Power supply	230/1/50-60Hz

VOYAGER



INFRARED



VOYAGER-R744

Infrared leak detector for CO₂ (R744)

VOYAGER-R744 is equipped with an infrared sensor specifically for CO₂ (R744) that offers superior accuracy, insensitivity to false alarms and extended service life.

The robust construction with unique ergonomic design, the innovative large LCD display and the rechargeable lithium-ion batteries make the infrared leak detector not only extremely reliable, but also very intuitive and easy to use.

- 3 sensitivity levels (L/M/H).
- Audible alarm and optimised graphics on large LCD screen.
- High-quality, durable double-barrier probe.
- "Mute" button and connection for headphones.
- Peak storage function.
- Automatic calibration.
- Ergonomic grip.
- Sturdy case with battery charger and 5 spare tips with filters.

Code	Model	Dimensions	Weight
09001119	VOYAGER-R744	330 x 240 x 70 mm	1,2 kg



Technical features

Tecnology	Infrared
Maximum sensitivity	<6 g/year
Calibration	Automatic
Warm-up time	<30 seconds
Response time	<3 seconds
Probe length	40 cm
Power supply	Rechargeable lithium-ion battery
Batteries life	8 consecutive hours
Compliance	CE, SAE J1627, EN14624