



PRESSURIZATION TEST SYSTEMS



PRESSURIZATION - NITROGEN TEST



K-AZ200-50/BN2

Nitrogen kit

Suitable for :

- Testing for leaks in pressure of HVAC systems.
- Flushing of HVAC systems.
- Fluxing during soldering in HVAC systems.
- Pressure switches and gauges calibration.

Kit includes:

- Nitrogen regulator serie AZ200-50 with dual integrated connection for cartridges and bottles.
- Ø80 gauge, class 1.0 with defined sectors, positioning indicator and calibration screw.
- Flexible hose 1/4" SAE , 900 mm + 200 mm.
- Nitrogen bottle 950 cc- 110 bar - TPED.
- 1 adapter RG180/5-4 (5/16" SAE F x 1/4" SAE M).
- Sturdy plastic carrying case.

Code	Model	Country	Cylinder connection	Standard reference	Cartridge connection
13005017001	K-AZ200-50/BN2	IT	W 21.7 x 1/14" M	UN 11144-5	M10x1
13005017005	K-AZ200-50/BN2-D	F-B-P-E	Ø 21.7 x 1.814 F	NF E 29-650/C	M10x1
13005017008	K-AZ200-50/BN2-E	GB	G 5/8" M	BS 341 nr.3	-
13005017009	K-AZ200-50/BN2-C	D	W 24.32 x 1/14" F	DIN 477 nr.10	M10x1



COMMISSION REGULATION (EC) NO. 1516/2007

ARTICAL 8 - Repair of leakage

1. The operator shall ensure that the repair is carried out by personnel certified to undertake that specific activity. Prior to repair, a pump-down or recovery shall be carried out, where necessary.
2. The operator shall ensure that a leakage test with Oxygen Free Nitrogen (OFN) or another suitable pressure testing and drying gas is carried out where necessary, followed by evacuation, recharge and leakage test. Prior to pressure testing with Oxygen Free Nitrogen (OFN) or another suitable pressure testing gas, fluorinated greenhouse gases shall be recovered from the whole application where necessary.



Technical features

Regulator inlet pressure	20 MPa
Max output pressure	4,8 MPa
Connections	1/4" SAE
Dimensions	360 x 320 x 120 mm
Weight	4,5 kg
Comply to	CE n. 1516 2007



Calibration

Code	Model	Description
09053011		Calibration report ref. Accredia for checking gauge
13005017016	K-AZ200-50/BN2/RT	Nitrogen kit with calibration report

NITROGEN CARTRIDGES AND CYLINDERS

Ref	Code	Model	Capacity	Min. Qty
A	11001060	BN2/1-TPED	950 cc	12
B	11003011	BAZ50/1	5 l	-

Rif	Code	Dimensions	Weight
A	11001060	320 x 250 x 330 mm	15,50 kg
B	11003011	550 x 150 x 150 mm	8,80 kg



SPRAY LEAK DETECTOR

Code	Model	Capacity	Min. Qty
09001080	GAS CONTROL	400 ml	10

Dimensions	Weight.
340 x 140 x 220 mm	4,8 Kg



K-AZ200-50/BAZ50

Nitrogen kit 5 liters

Suitable for:

- Testing for leaks in pressure of HVAC systems
- Flushing of HVAC systems
- Fluxing during soldering in HVAC systems
- Pressure switches and gauges calibration

Kit includes:

- Nitrogen regulator serie AZ200-50 with dual integrated connection for cartridges and bottles.
- Ø80 gauge, class 1.0 with defined sectors, positioning indicator and calibration screw.
- Flexible hose 1/4" SAE , 2500 mm + 220 mm.
- Nitrogen bottle 5l - TPED - full (20 MPa).
- Adapter Rg180/5-4 (5/16" SAE Fx 1/4" SAE M).

Code	Model	Country	Cylinder connection	Standard reference	Cartridge connection
13005022001	K-AZ200-50/BAZ50	IT	W 27.1 x 1/14" M	UN 11144-5	M10x1



Technical features

Regulator inlet pressure	20 MPa
Max output pressure	4,8 MPa
Connections	1/4" SAE
Dimensions	700 x 430 x 280 mm
Weight	14,6 kg



AZ200

"Heavy duty" nitrogen regulator for cartridges and cylindres

Heavy duty professional nitrogen regulator with dual integrated connection for cartridges and cylinders (no external adapter required) and "High Performance" safety valve.

Code	Model	Country	Cylinder connection	Standard reference	Cartridge connection
10002017	AZ200-50	IT	W 27.1 x 1/14" M	UN 11144-5	M10x1
10002019	AZ200-50/D	F-B-P-E	Ø21.7 x 1.814F	NF E 29-650/C	M10x1
10002018	AZ200-50/E	GB	G 5/8" M	BS 341 nr.3	-
10002020	AZ200-50/C	D	W 24.32 x 1/14" F	DIN 477 nr.10	M10x1



Technical features

Inlet pressure	20 MPa
Max output pressure	4,8 MPa
Connections	1/4" SAE



PRESSURIZATION - AZOIDRO TEST



TOTAL-TEST-HVAC-ELD-A

Leak detection kit with AZOIDRO (N₂-H₂)

It enables to detect and locate leaks in HVAC system in compliance with Regulation (EC) n.1516/2007.

The pressure reducer and the control pressure gauge in class 1 enable to pressurize the system to the necessary value with the AZOIDRO mixture; the system can then be checked by means of the specific leak detector ELD-A.

Kit includes:

- Pressure regulator serie AZ200-50 with dual integrated connection for cartridges and bottles.
- Control gauge Ø80, class 1 with positioning indicator.
- Flexible hose 1/4" SAE, 1500 mm + 200 mm.
- Swivel adapter RG180/5-4 (5/16" SAE F x 1/4" SAE M).
- AZOIDRO cartridge 1 l - 110 bar.
- ELD-A leak detector.
- Sturdy plastic carrying case.

Code	Model	Country	Cylinder connection	Standard reference	Cartridge connection
13005046014	TOTAL-TEST-HVAC-ELD-A	IT	W 27.1 x 1/14" M	UN 11144-5	M10x1
13005046015	TOTAL-TEST-HVAC-ELD-A-D	F-B-P-E	Ø21.7 x 1.814F	NF E 29-650/C	M10x1
13005046016	TOTAL-TEST-HVAC-ELD-A-C	D	W 24.32 x 1/14" F	DIN 477 nr.10	M10x1
13005046017	TOTAL-TEST-HVAC-ELD-A-E	GB	G 5/8" M	BS 341 nr.3	



COMMISSION REG. (EC) NO. 1516/2007

ARTICAL 8 - Repair of leakage

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2. The operator shall ensure that a leakage test with Oxygen Free Nitrogen (OFN) or another suitable pressure testing and drying gas is carried out where necessary, followed by evacuation, recharge and leakage test. Prior to pressure testing with Oxygen Free Nitrogen (OFN) or another suitable pressure testing gas, fluorinated greenhouse gases shall be recovered from the whole application where necessary.



Technical features

Regulator inlet pressure	20 MPa
Max output pressure	4,8 MPa
Connections	1/4" SAE
Dimensions	360 x 320 x 120 mm
Weight	5,0 kg



AZOIDRO (N₂-H₂) CARTRIDGES AND CYLINDERS

Bottle containing 95% Nitrogen and 5% Hydrogen which allows to pressurize the system and then to find the leak source by means of the ELD-A leak detector.

Ref	Code	Model	Capacity	Min. Qty	Dimensions pack	Weight pack
A	11001112	AZOIDRO	1 l	12	320 x 250 x 330 mm	15,5 kg
B	11003020	AZOIDRO/5	5 l	-	550 x 150 x 150 mm	8,80 kg

K-AZ200-50/AZOIDRO5

Azoidro kit 5 liters

It enables to detect and locate leaks in HVAC system in compliance with Regulation (EC) n.1516/2007. The pressure reducer and the control pressure gauge in class 1 enable to pressurize the system to the necessary value with the AZOIDRO mixture; the system can then be checked by means of the specific leak detector ELD-A (not included in the kit).

Kit includes:

- Pressure regulator serie AZ200-50 **with dual integrated connection** for cartridges and bottles.
- Ø80 gauge, class 1.0 with defined sectors, positioning indicator and calibration screw.
- Flexible hose 1/4" SAE , 2500 mm + 220 mm.
- Azoidro bottle 5 l - TPED - full (20 MPa).
- Adapter RG180/5-4 (5/16" SAE Fx 1/4" SAE M).

Code	Model	Country	Cylinder connection	Standard reference	Cartridge connection
13005068	K-AZ200-50/AZOIDRO5	IT	W 27.1 x 1/14" M	UN 11144-5	M10x1



Technical features

Regulator inlet pressure	20 MPa
Max output pressure	4,8 MPa
Connections	1/4" SAE
Dimensions	700 x 430 x 280 mm
Weight	14,6 kg



ELD-A

For Azoidro gas electronic leak detector

ELD-A leak detector uses a specific sensor for the Azoidro mixture (95% Nitrogen and 5% Hydrogen). This mixture was created in accordance with Regulation (EC) n.1516/2007.

Code	Model	Dimensions	Weight
09001107	ELD-A	190 x 57 x 38 mm	0,5 kg



Technical features

Technology	semi-conductor
Maximum sensitivity	< 8 ppm H2 (<4,9 g/year R134a equivalent)
Calibration	automatic
Warm-up time	25 to 90 sec
Response time	5 seconds
Probe lenght	30 cm
Power supply	batteries 2x 1.5V AA
Batteries life	11 hours
Digital loss indicator	3 colours LED



Spare parts and accessories

Code	Model	Description
09050109	ELS-A	Sensing tip



PARTS AND ACCESSORIES - TEST SYSTEMS



WN2-60

Nitrogen regulator

Regulator with connection for refillable Nitrogen or AZOIDRO cylinders.

Code	Model	Country	Connections bottle	Standard reference
10002035	WN2-60	IT	W 27.1 x 1/14" M	UN 11144-5
10002037	WN2-60/D	F-B-P-E	Ø21.7 x 1.814F	NF E 29-650/C
10002036	WN2-60/E	GB	G 5/8" M	BS 341 nr.3
10002038	WN2-60/C	D	W 24.32 x 1/14" F	DIN 477 nr.10

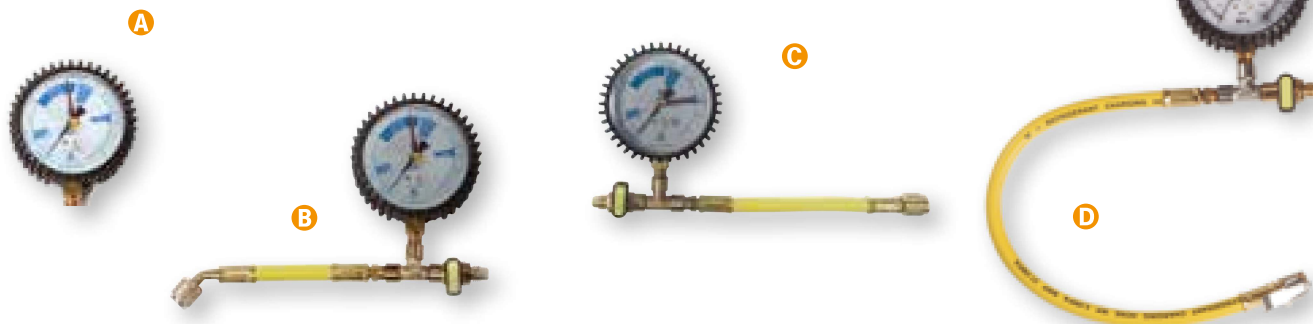


Technical features

Regulator inlet pressure	20 MPa
Max output pressure	6,0 MPa
Connections	1/4" SAE
Dimensions	220 x 150 x 150 mm
Weight	1,7 kg
Comply to	Reg. Ce n. 1516 2007



Spare parts and accessories



Ref	Code	Model	Description
A	07121016	PF80/53R1/TEST	ø 80 test gauge, class 1,0 with defined sectors, positioning indicator and calibration screw
B	05015003	V/GYSA/1M-4/6Y/PF80/N2-K1	Flexible hose 1/4" SAE with ø80 test gauge, class 1.0 with connection 1/4" SAE 45°
B	05015010	V/GYSA/1M-5/6Y/PF80/N2-K1	Flexible hose 1/4" SAE with ø80 test gauge, class 1.0 with connection 5/16" SAE 45°
C	05015016	V/GYSS/1M-4/8Y/PF80/N2-K1	Flexible hose 1/4" SAE with ø80 test gauge, class 1.0 with connection 1/4" SAE straight
C	05015017	V/GYSA/1M-5/8Y/PF80/N2-K1	Flexible hose 1/4" SAE with ø80 test gauge, class 1.0 with connection 5/16" SAE straight
D	05015011	V/GYSS/4M-VE/Y/PF80/10/K1	Terminal for checking expansion vessel of boilers
	05059023001	RG180/5-4-WIG	Adapter 5/16" F x 1/4" M
	06071001003	GYSS/4-4/36/Y	Flexible hose 900 mm for nitrogen kit 1 lt. - 1/4" SAE
	06071025003	GYSS/4-4/98Y	Flexible hose 2500 mm for nitrogen kit 5 l. - 1/4" SAE
	14020084001	95514K-WIG	Kit 10 gaskets for nitrogen regulator AZ200-50 and WN2-60 (cylinders connection side)
	14020083001	OR-AZ/K-WIG	Kit 10 o-ring for nitrogen regulator for AZ200-50 (cartridge connection side 950 cc)
	10010037		Replacement HP gauge-315 bar for AZ200-50
	10010038		Replacement LP gauge-100 bar for AZ200-50
	14029064	VP/B16	Plastic carrying case for 1 liter nitrogen/azoidro kits