Dual analogue gauges set VRM2-B-0501



Refrigerant scale	R22, R134A, R404A, R407C
Dial diameter	60 mm
Class	1.0
Pressure scale	-1 - 24 bar -1 - 30 bar
Hoses	yellow: 1/4" x 1/4" red: 1/4" x 1/4" blue: 1/4" x 1/4"
Hose lenght	150 cm
Quick connectors	-
Connection	3 x 1/4" SAE
Sight glass	yes
Packaging	plastic case

Pictures of some products may vary. Every effort has been made to ensure that the information contained in this catalog is correct. Due to constant technological development, we reserve the right to make changes without notice.

Dual analogue gauges set VRM2-B-0501

Dual analogue gauges VALUE set designed for refrigeration and air-conditioning systems.

Main features:

- easy to read display
- impact-resistant design
- durable metal frame
- suited for: R22, R134A, R404A, R407C
- 3 hose



VALUE®

VALUE Creates Value

Making Your Job More Enjoyable

Manifold Gauge
VRM2 Series

VALUE • Quality Assurance

NAVTEK™ High-end Series

Dear User,

Thank you for choosing VALUE Product. For best result and right way to use it, please read this operating manual carefully before using. We suggest that you'd better keep this manual with the product or a place where you can easily find for later reference.

Safety guide

⚠ **Warning:**

1.1 The mainfold has been designed specially to measure pressure in refrigeration equipment. The mainfold may only be used by trained technicians.

1.2 It must not be used for other than refrigeration applications. The manifold is not suitable for liquids or gases other than those indicated on the gauge.

1.3 It must not be used with pressures higher than the pressure scale indicated on the high-pressure gauge of the manifold.

1.4 Safe goggles and gloves must be worn at all time during the use of the mainfold.

1.5 The gauges are correctly calibrated at the factory before shipment. If calibration is required, remove the lens. Insert a straight blade screwdriver into the adjusting screw on the guage face.

1.6 Clean up the connection interfaces in order to prevent contamination entering to refrigeration system.

1.7 The charging hoses must be checked with oil residue cleaned off before each use. A visible check is also necessary to ensure that the hoses and the connection are undamaged and tight.

1.8 Do not contact refrigerant directly as it may cause personal injury.

1.9 Do not vent refrigerant into the atmosphere.

1.10 The seals and gaskets of the manifold gauges are parts subject to the wear and tear of use, and must therefore be replaced from time to time. The manifold is to be tested regularly to ensure the valves are still tight.

1.11 Make sure to use the right pressure gauge.

1.12 Mainfolds are high precision measuring instruments. After use, disconnect all hoses from the system and open valves and then store the mainfold always in the carrying case.

1.13 Dispose of the used manifold gauges according to the local rules and regulations.

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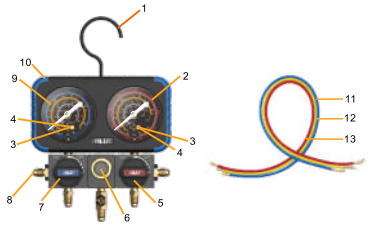
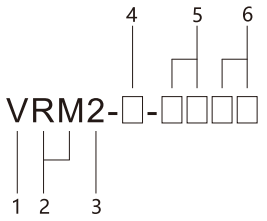
Parts and specifications



NO.	Name	NO.	Name
1	Hook	9	Low pressure gauge
2	High pressure gauge	10	Sheath
3	Cap	11	Blue hose
4	Zero adjusting screw	12	Yellow hose
5	High pressure valve	13	Red hose
6	Sight glass		
7	Low pressure valve		
8	Connector		

Naming rule



1.V:VALUE

2.RM:manifold gauge

3.2:Single guage/mainfold gauge

4.A/B:gauge dial, A:Φ80mm,B:Φ68mm

5.**:different refrigerants combination

6.**: different hoses combination

Operation Instruciton

1. Pressure testing

1.1 Close both valves.
1.2 Connect blue hose to the low side of system, connect red hose to the high side of system.
1.3 Running the system, read the testing pressure indicated
1.4 on manifold gauges.
After testing,turn off the system. Then disconnect the hoses from the system and open all valves, make sure not vent refrigerant into the atmosphere.
1.5 In order to prevent venting the refrigerant into the atmosphere, you can use a VALUE recovery machine to recover any refrigerant remained in the hoses or mainfold gauges.

2. Evacuation of a system

2.1 Connect blue hose to the low side of system, connect red hose to the high side of system and connect yellow hose to vacuum pump.
2.2 Open both valves.
2.3 Turn on the vacuum pump.
2.4 Check pressure on low pressure gauge for 3 to 5 minutes, if desired vacuum reached, close valves, then turn off the vacuum pump.
2.5 Observe the pressure on the low-pressure gauge, if the pointer is stick to
-30 inHG for 3 to 5 minutes, the system evacuation is completed. If not, repeat the steps from 2.2 to 2.4.

3. Charging of a system after evacuation

3.1 Keep valve closed, disconnect the yellow hose from the vacuum pump and connect this hose to a refrigerant
3.2 container.
3.3 Open valve on the refrigerant container.
Open the manifold valves. The system is now being charged with refrigerant. Check the correct quantity of refrigerant with a charging scale (such as a VRS-100i-01 wireless scale), and observe the pressure on the gauge. If the refrigerant flow is too slow or insufficient the system compressor can be turned on to speed up the process.

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3.4 If the correct charging quantity has been reached, close valves.
3.5 After testing, turn off the system. Then disconnect the hoses from the system and open all valves while making sure not to vent refrigerant into the atmosphere.

Maintenance

1.1 Do not apply excessive force when turning valves.
1.2 Manifolds are high precision measuring instruments. After use, store manifold gauges always in the carrying case.
1.3 For maintenance and repair of the manifold, contact authorized VALUE distributors. Product warranty would be void if it is disassembled by unauthorized individuals.

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