AIRPRO-2 DUAL REVERSIBLE

Power Flushing Compressor

Instruction Manual

KAMMAK

INDEX

AIRPRO-2 Power Flushing Compressor

SAFETY INFORMATION

WARNING! This AIRPRO-2 power flushing machine must only be used by qualified professional plumbing and heating contractors, installers, and service technicians. Read all instructions, including this manual and all other information shipped with the AIRPRO-2 compressor, before using and operating. Perform steps in the order given. Failure to comply could result in severe personal injury, death or substantial property damage.

- Precautions should be taken to ensure a safe working environment.
- Take care when lifting large or heavy items.
- Regularly check power leads for wear or damage, use with a residual circuit breaker.
- When handling chemicals wear suitable protective clothing, gloves and goggles.
- Use in a well ventilated area.
- Contractor should check local regulations regarding the deposal of any waste products from the system.

INFORMATION

AIRPRO-2 power flushing compressors are designed to power flush heating systems with minimal dismantling, by circulating water at high velocity, and then purging the dirty water from the system with a high flow of fresh, clean, water. AIRPRO-2 powerful flushing machine is an ideal package to make short work of cleaning boiler and radiator systems without removing radiators. Powerflush central heating systems to remove corrosion debris, sludge and scale. De-scale boilers. Overcome boiler noise and circulation problems. A powerful electric flushing machine for fast and easy flushing of closed systems.

USAGE AREAS

Ideal for;

-Radiators

-Boilers

-Underfloor/wallheating systems

-Central heating systems, solar power systems

BOX CONTENT

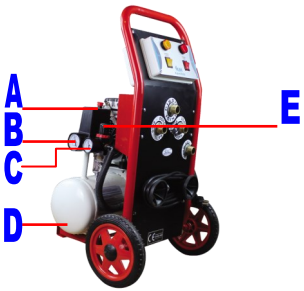
1. AIRPRO-2 power flushing compressor
2. Set of 2x200 cm flow and return hoses, 1x200 cm tab water inlet hose , 1x200 cm dump outlet hose
3. User manual

AIRPRO-2 Power Flushing Compressor

PRODUCT SPECIFICATION

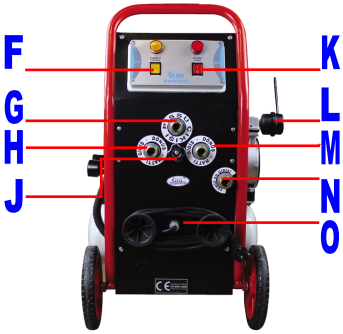
Air tank capacity	9 liters
Flow rate	60 l/min
Max working pressure	8 bar
Motor output	750 Watt
Max temperature of the system	60°
Pressure indicator	
Pressure control valve	
Flow Reverser	
Pulse Mode	
Weight	22 kg
Dimensions hxwxd	76x50x35

FRONT SPECIFICATION



A	Master Switch
B	Pressure Indicator
C	Pressure Control Indicator
D	Air Tank
E	Pressure Control Valve

BACK SPECIFICATION



F	Pulse Mode On/Off Switch
G	Dump Outlet
H	Flow/Return Outlet
J	Flow Reverser
K	Compressor On/Off Switch
L	Air Filter
M	Flow/Return Outlet
N	Tab Water Inlet
O	Electric Cable

AIRPRO-2 Power Flushing Compressor

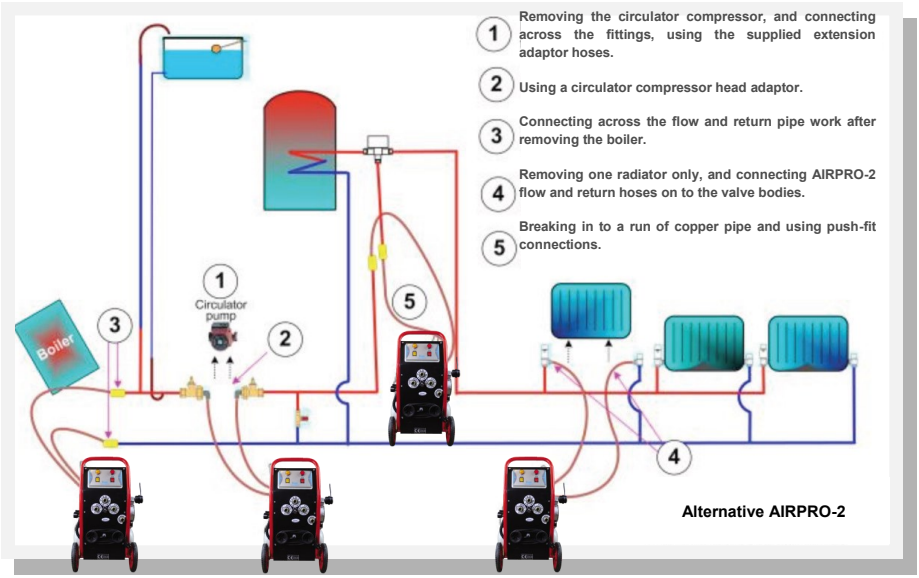
CONNECTING SYSTEM HOSES

Ensure that valve is in the closed position.

The AIRPRO-2 has 2x200 cm flow/return hoses, 1x200 cm dump hose, 1x200 cm tap water inlet hose fitted with 3/4" brass hose connectors at the out board end and 3/4" fittings at the inboard end.

The inboard end of both flow/return hoses should be screwed onto the corresponding ¾" brass nipples on rear of the hose support plate, the other ends of these hoses should be connected to the system (radiator/boiler/compressor). Connect tap water hose to "water inlet" on AirPro-2. Connect dump hose to "dump outlet "and lead the hose to a toilet pan or drain pipe gully leading to a foul sewer.

CONNECTIONS



AIRPRO-2 Power Flushing Compressor

OPERATION

1) Initial Flush

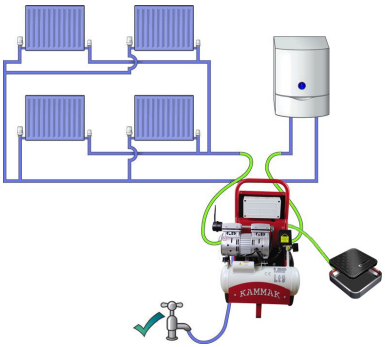
-Isolate power to heating.

-Ensure that valve is in the closed position.

-Connect flow/return hoses onto the corresponding nipples on rear of the hose support plate. The other end of this hose should be connected to the system, most commonly done at the circulating compressor or by taking off a conveniently positioned radiator.

-Connect tap water hose to “water inlet” on AirPro-2.

-Connect dump hose to “dump outlet “and lead the hose to a toilet pan or drain pipe gully leading to a foul sewer.



-To ensure maximum flow rate throughout the system, open all the radiator valves and set any zone valves to manual open.

-Now you can switch on your AIRPRO-2.

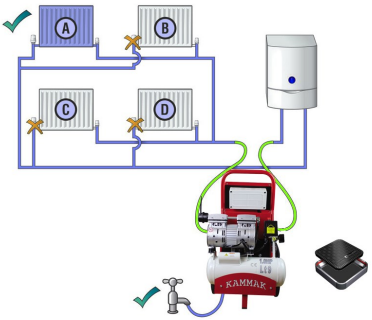
-Give tab water to system.

-Now dump initial contaminated water from system. Continue dumping until dump water runs clear.

2) Individual Radiator Flush

-For best results all radiators should now be cleaned individually. Turn off all radiator valves on system apart from furthest radiator; continue to recirculate through individual radiator for 5-10 minutes, regularly reversing the flow. (Obviously always making sure at least one radiator is fully open at any one time).

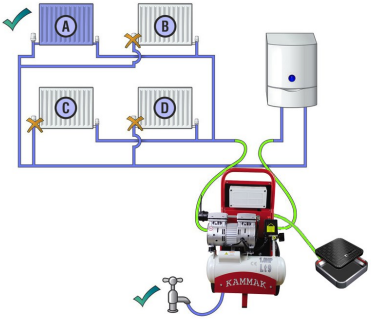
-Now turn off furthest radiator and move to next one, repeating previous step on all radiators, working your way back toward your AIRPRO-2. Once completed turn off boiler if you haven't already done so.



AIRPRO-2 Power Flushing Compressor

3) Individual Radiator Dump

Once all radiators have been individually cleaned then start dumping individual radiators in reverse of how you cleaned them. Again make sure you maintain water level and continue dumping each radiator until dump water runs clear.

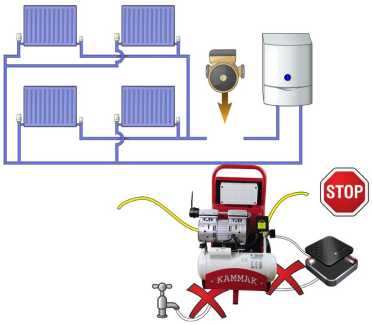


4) Final Dump Procedure

With all radiators still open complete final dump procedure (as in Step 1), maintaining water level and continue dumping until dump water runs clear or for approximately 10 - 15 minutes.

5) Disconnect AIRPRO-2 and Replace Compressor

Leave your AIRPRO-2 circulating for a further 10 minutes before disconnecting it and returning system back to normal, in other words reinstate cold feed and vent pipe, make sure feed and expansion tank is cleaned, replace pump or radiator, fully vent and test system, check for leaks and return all valves to original position.



WARRANTY

WARRANTY

1.The KAMMAK warranty covers all defects within the unit originating from faulty workmanship and/or materials for a period of 12 months from the date of installation or from the date of dispatch from the factory, whichever is shorter. The warranty covers the replacement of any faulty parts and our labour costs to replace the faulty parts. It does not cover the cost for removing, returning and refitting the unit secondary losses arising from the failure.

2.Under no circumstances should faulty equipment be dismantled. Failure to comply with this instruction could invalidate the warranty.

3.Defects arising from the incorrect installation, water containing debris not normally associated within heating systems, or chemicals other than those specified for use with this unit, inadequate electrical protection, faulty ancillary equipment, lighting or other circumstances beyond our control is not covered by warranty.

CERTIFICATES


Certificate
CE
CE ATTESTATION OF CONFORMITY


CERTIFICATE
IQR CERTIFICATION
KAMMAK KİMYA MAKİNE TEKSTİL İTHALAT İHRACAT SANAYİ VE TİCARET LİMİTED ŞİRKETİ
ISO 9001:2015


British
Certifications Inc.
CE
CE ATTESTATION OF CONFORMITY


British
Certifications Inc.
KAMMAK KİMYA MAKİNE TEKSTİL İTH. İHR. SAN. VE TİC. LTD. ŞTİ.
ISO 9001:2008


T.C.
TÜRK PATENT ve MARKA KURUMU
MARKA TESCİL BELGESİ
Marka No : 2017 101041 - Ticaret
KM KamMak
TURK PATENT


British
Certifications Inc.
KAMMAK MAKİNA – ALİ KAMACI
ISO 9001:2008


TURK PATENT
TASARIM TESCİL BELGESİ
No: 2017 07381
Tasarım Sahibi
KAMMAK KİMYA MAKİNE TEKSTİL İTHALAT İHRACAT SANAYİ VE TİCARET LİMİTED ŞİRKETİ


ENDÜSTRİYEL TASARIMLAR DAİRESİ BAŞKANLIĞI
TASARIM TESCİL BELGESİ
TESCİL NUMARASI : 2016 02758
Prof. Dr. Habip ASAN
Enstitü Başkanı


T.C.
TÜRK PATENT ENSTİTÜSÜ
FAYDALI MODEL BELGESİ
No: TR 2013 05113 Y
TÜRK PATENT ENSTİTÜSÜ

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