

AK FLUSH

THE COMPLETE ENVIRONMENTAL SYSTEM FLUSHING SOLUTION

AK Flush has been developed by A-Gas UK specifically for flushing refrigerant and air conditioning systems to remove unwanted contaminants reducing the chance of future system failures. AK Flush is specifically designed with a range of polar solvents that dissolve and remove oil along with particulates, sludge, acids, carbon residues and moisture thus avoiding compressor damage

AK Flush has proved ideal for system flushing when carrying out a full retrofit including oil change in situations where an HCFC refrigerant is being removed for replacement with an HFC, as well as for use after a compressor burnout

AK Flush is delivered in a pressurised cylinder and comes complete with a waste receptacle. As the solvents clean the system all residues of solvent and sludge should be collected in the waste container for return to A-Gas for responsible destruction along with the empty cylinder. The cost of waste destruction is included in the initial price making AK Flush a complete and easy to use solution as well as being environmentally friendly. It is also non toxic and non ozone depleting; however, care should be taken when using AK Flush as it can be flammable under certain conditions



AK Flush has a carbon dioxide propellant at 10bar that pushes the solvent through the system. The dissolved CO2 also boils out of the solvent causing a 'fizzing' effect for more effective cleaning

A 5kg AK Flush pack is sufficient to effectively clean up to a 50Kw system*. In some instances of heavy contamination it may be necessary to flush twice to fully clean. A larger pack size can be supplied upon request

*Systems with long pipe work runs and wide diameter pipe may require a larger size flush

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AK FLUSH GUIDANCE FOR USAGE

Guidelines for usage:

- Ensure all gas and oil has been suitably recovered from the system prior to flushing
- Before flushing it is advisable to remove or bypass certain system parts such as the compressor, filter drier cores and check valves
- AK Flush is best used where it can drain through the system by gravity. It will be harder to push the solvent out of larger diameter pipe work or if it is being pushed up a steep gradient
- Attach the waste container and open AK Flush to the system through the liquid valve on the cylinder. Ensure the cylinder is upright for proper decant of the solvent to the system. The pressure in the cylinder will introduce all solvent
- The cylinder should then be disconnected. A-Gas Oxygen Free Nitrogen (OFN) should then be used to push the solvent through the system into the waste container
- Check the waste solvent - once it comes out clear the job is done. If the solvent remains cloudy the system should be flushed again. All waste should be returned to A-Gas for responsible destruction at no extra cost
- Before charging your system ensure all residual solvent is purged with copious amounts of nitrogen and fully evacuate the system. The solvents all have low boiling points so will be effectively removed by this practice
- If the solvent is not completely removed it can dissolve in vacuum pump oil preventing a proper vacuum being drawn; if this occurs allow the pump to pull air for several minutes to clear the oil

Notes on the return of AK Flush cylinders and waste containers:

- As with all cylinders, empty or part used AK Flush cylinders must be returned on a consignor's declaration
- The waste container must be returned as hazardous waste by transposing the information on the label onto a hazardous waste consignment note