



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.

80 Litre Suction Oil Drainer *With Inspection Chamber*



03722

**FOR HELP OR ADVICE ON THIS PRODUCT PLEASE CONTACT YOUR DISTRIBUTOR,
OR SIP DIRECTLY ON:**

TEL: 01509500400

EMAIL: sales@sip-group.com or technical@sip-group.com

www.sip-group.com

***Please read and fully understand the instructions in this manual
before operation. Keep this manual safe for future reference.***

DECLARATION OF CONFORMITY

Declaration of Conformity

We

SIP (Industrial Products) Ltd
Gelders Hall Road
Shepshed
Loughborough
Leicestershire
LE12 9NH
England

As the manufacturer's authorised representative within the EC
declare that the


80Ltr Mobile Oil Drainer & Suction with Inspection Chamber - SIP Part No. 03722

Conforms to the requirements of the following directive/s, as indicated.

2006/42/EC Machinery Directive

And The Relevant Harmonised Standard/s, including

EN 121000:2010

Signed: 

Mr P. Ippaso - Managing Director - SIP (Industrial Products) Ltd
Date: 28/12/2015.



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SAFETY SYMBOLS USED THROUGHOUT THIS MANUAL



Danger / Caution: Indicates risk of personal injury and/or the possibility of damage.



Note: Supplementary information.

SAFETY INSTRUCTIONS



IMPORTANT: Please read the following instructions carefully, *failure to do so could lead to serious personal injury and / or damage to the Oil Drainer.*

When using your oil drainer, basic safety precautions should always be followed to reduce the risk of personal injury and / or damage to the oil drainer.

Read all of these instructions before operating the oil drainer and save this user manual for future reference.

The oil drainer should **not** be modified or used for any application other than that for which it was designed.

The oil drainer was designed for the removal of oil from engines, gearboxes and similar.

If you are unsure of its relative applications do not hesitate to contact us and we will be more than happy to advise you.

Before operating the oil drainer always check no parts are broken, that no oil is leaking and that no parts are missing.

Always operate the oil drainer safely and correctly.

KNOW YOUR OIL DRAINER: Read and understand the owner's manual and labels affixed to the oil drainer. Learn its applications and limitations, as well as the potential hazards specific to it.

KEEP CHILDREN AND UNTRAINED PERSONNEL AWAY FROM THE WORK AREA: All visitors should be kept at a safe distance from the work area; never allow untrained persons to operate the oil drainer.

STAY ALERT: Always watch what you are doing and use common sense.

NEVER LEAVE THE OIL DRAINER UNATTENDED: When in use / under a engine or gearbox.

HAVE YOUR OIL DRAINER REPAIRED BY A QUALIFIED PERSON: The oil drainer is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user and void the warranty.

NOTES

PARTS LIST...cont

Ref. No.	Description	SIP Part No.	Ref. No.	Description	SIP Part No.
32HC-1404	O-ring	HY02-00357	32HC-2101	Seat	HY02-00286
32HC-1501	Vacuum gauge	HY02-00358	32HC-2102	O-ring	HY02-00287
32HC-1502	Connector	HY02-00359	32HC-2103	O-ring	HY02-00288
32HC-1503	Bolt	HY02-00360	32HC-2104	Brake sleeve	HY02-00289
32HC-1504	O-ring	HY02-00361	32HC-2105	Height adjustment pole	HY02-00370
32HC-1505	Rubber gasket	HY02-00362	32HC-2106	Upper valve	HY02-00291
32HC-1506	Metallic gasket	HY02-00363	32HC-2107	Knob	HY02-00292
32HC-1601	Modular cylinder	HY02-00364	32HC-2201	Extraction tube holder	HY02-00319
32HC-1602	Seal ring	HY02-00365	32HC-2202	Oil cup	HY02-00320
32HC-1701	Extraction hose	HY02-00315	32HC-2301	Extraction nozzle (Ø8x700mm nylon)	HY02-00321
32HC-1702	Extraction nozzle	HY02-00316	32HC-2302	Extraction nozzle (Ø6x700mm nylon)	HY02-00322
32HC-1703	Extraction gun valve	HY02-00317	32HC-2303	Extraction nozzle (Ø5x700mm nylon)	HY02-00323
32HC-1704	O-ring	HY02-00318	32HC-2304	Extraction nozzle (Ø7x1000mm nylon)	HY02-00324
32HC-1801	Oil hose	HY02-00278	32HC-2305	Extraction nozzle (Ø6x700mm copper)	HY02-00325
32HC-1802	Discharge nozzle	HY02-00279	32HC-2306	Extraction nozzle (Ø5x700mm copper)	HY02-00326
32HC-1803	Nozzle stopper	HY02-00280	32HC-2401	Connector (BMW & VW)	HY02-00327
32HC-1804	O-ring	HY02-00281	32HC-2501	Oil tray	HY02-00293
32HC-1901	Tool tray	HY02-00282	32HC-2502	Strainer	HY02-00294
32HC-1902	Handle bolt	HY02-00283	32HC-2601	Connector	HY02-00295
32HC-1903	Handle nut	HY02-00284	32HC-2602	Connector	HY02-00296
32HC-2001	Handrail	HY02-00366	32HC-2603	O-ring	HY02-00297
32HC-2002	Protection sheath	HY02-00367	32HC-2604	Screw	HY02-00298
32HC-2003	Screw	HY02-00285	32HC-2701	Side handle	HY02-00299
32HC-2004	Connecting rod	HY02-00368	32HC-2702	Screw	HY02-00300
32HC-2005	Knob	HY02-00369	32HC-2703	Handle sleeve	HY02-00301

SAFETY INSTRUCTIONS...cont

DANGER! Check that the oil drainer is in sound condition and good working order before each use; Take immediate action to repair or replace damaged parts.

WARNING! Only operate on a level and stable surface and never use on soft ground where the oil drainer is likely to "sink" whilst in operation.

NEVER STAND ON THE OIL DRAINER: The oil drainer is not designed for this purpose.

DO NOT dismantle or tamper with the oil drainer, this will invalidate the warranty.

If a problem with the oil drainer is experienced or suspected stop using the oil drainer **immediately** and contact your distributor for repair.

- Regularly inspect and lubricate the oil drainer, ensuring that it is in good working order and condition.
- Always ensure that the work area is clean and tidy, free from unrelated materials and has adequate lighting.
- Keep hands, limbs etc. clear of moving parts.
- Use only in a well ventilated area.
- **DO NOT** start the engine whilst using the oil drainer.
- Be careful with oil that has been extracted, the temperature is high between 40° - 60°c.
- Contact your local authority on how / where to dispose of the oil.
- Clean and stow the oil drainer correctly, ensure the storage area is dry.
- Failure to follow the warnings in this manual, may result in personal injury and/or property damage.
- **DO NOT** direct air from the air hose at yourself or others.
- **DO NOT** move the oil drainer by the hose, or pull the hose from the air supply.
- When not in use disconnect from the air supply and store in a safe and dry area.
- **DO NOT** allow untrained persons to operate the oil drainer.
- **DO NOT** put attachments near to your face (especially eyes, ears, etc.) and do not direct the hose at other persons or animals.
- **DO NOT** exceed the recommended air pressure.
- **DO NOT** smoke or have a naked flame near the oil drainer.
- **DO NOT** pollute the environment by allowing uncontrolled discharge of waste oil.
- Understand the operating environment; Before each use the operator should assess, understand and where possible reduce the specific risks and dangers associated with the operating environment. Bystanders should also be made aware of any risks associated with the operating environment.



When using the oil drainer always ensure the operator as well as those in the area wear eye protection.



CAUTION: The warnings and cautions mentioned in this user manual can not cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied.

GUARANTEE

This SIP oil drainer is covered by a 12 month parts and labour warranty covering failure due to manufacturers defects. This does not cover failure due to misuse or operating the oil drainer outside the scope of this manual - any claims deemed to be outside the scope of the warranty may be subject to charges including, but not limited to parts, labour and carriage costs.

In the unlikely event of warranty claims, contact your distributor as soon as possible.



Note: Proof of purchase will be required before any warranty can be honoured.

CONTENTS & ACCESSORIES

Oil Drainer/Suction Oil Tray Extraction Nozzles (x6)
Manual



Note: If any of the above are missing or damaged, contact your distributor immediately.

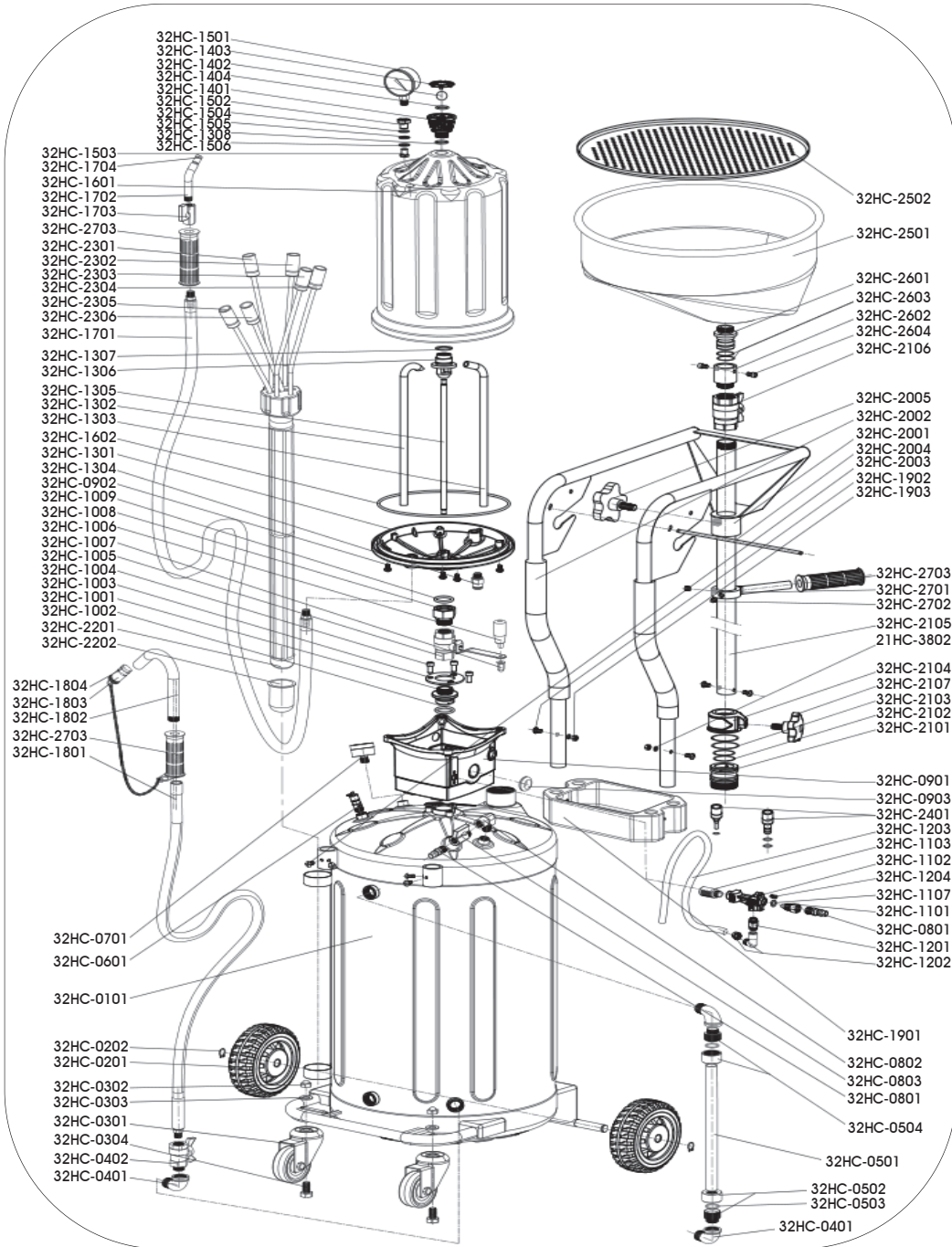
TECHNICAL SPECIFICATIONS

Tank Capacity	80 Litres	Air Inlet Connection	1/4"
Collection Bowl Capacity	20 Litres	Minimum Height	1500mm
Air Inlet Pressure	6-8 Bar	Maximum Height	1810mm
Air Consumption	150L/min	Oil Discharge Pressure	0.7 - 1 Bar
Oil Temperature Range (Engine oil)	40 - 60 °C	Extraction / Discharge Hose	2 Metres

PARTS LIST

Ref. No.	Description	SIP Part No.	Ref. No.	Description	SIP Part No.
21HC-3802	Gasket	HY02-00260	32HC-1004	Screw	HY02-00342
32HC-0101	Tank	HY02-00261	32HC-1005	Vacuum valve	HY02-00305
32HC-0201	Wheel	HY02-00262	32HC-1006	Lever	HY02-00306
32HC-0202	Wheel clip	HY02-00263	32HC-1007	Nut	HY02-00307
32HC-0301	Castor	HY02-00264	32HC-1008	Connector	HY02-00343
32HC-0302	Nut	HY02-00265	32HC-1009	O-ring	HY02-00344
32HC-0303	Gasket	HY02-00266	32HC-1101	Bolt	HY02-00308
32HC-0304	Bolt	HY02-00267	32HC-1102	Vacuum generator	HY02-00309
32HC-0401	Elbow	HY02-00268	32HC-1103	Silencer	HY02-00345
32HC-0402	Lower valve	HY02-00269	32HC-1107	O-ring	HY02-00310
32HC-0501	Tank gauge	HY02-00270	32HC-1201	Valve	HY02-00311
32HC-0502	Lower gauge fitting	HY02-00271	32HC-1202	Elbow	HY02-00312
32HC-0503	O-ring	HY02-00272	32HC-1203	Hose	HY02-00313
32HC-0504	Upper gauge fitting	HY02-00273	32HC-1204	Screw	HY02-00314
32HC-0601	Safety valve	HY02-00274	32HC-1301	Cylinder base	HY02-00346
32HC-0701	Pressure gauge	HY02-00275	32HC-1302	Absorbing oil pipe	HY02-00347
32HC-0801	Male bayonet 1/4"	05136	32HC-1303	Extraction pipe	HY02-00348
32HC-0802	Elbow	HY02-00276	32HC-1304	Connector	HY02-00349
32HC-0803	Air inlet valve	HY02-00277	32HC-1305	Centre connecting rod	HY02-00350
32HC-0901	Middle sleeve	HY02-00337	32HC-1306	Connector	HY02-00351
32HC-0902	Screw	HY02-00338	32HC-1307	O-ring	HY02-00352
32HC-0903	Bushing	HY02-00304	32HC-1308	O-ring	HY02-00353
32HC-1001	Connector	HY02-00339	32HC-1401	Anti-explosion valve	HY02-00354
32HC-1002	O-ring	HY02-00340	32HC-1402	Steel ball	HY02-00355
32HC-1003	Flange	HY02-00341	32HC-1403	Anti-explosion cover	HY02-00356

EXPLODED DRAWING



GETTING TO KNOW YOUR OIL DRAINER



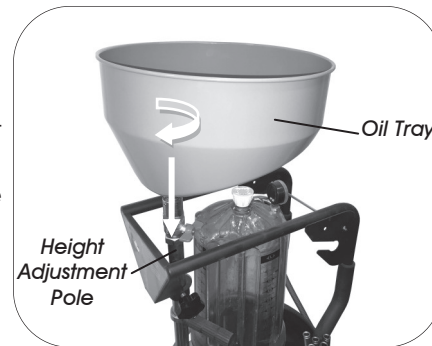
GETTING TO KNOW YOUR OIL DRAINER....cont

Ref. No.	Description	Ref. No.	Description
1.	Tank	10.	Extraction Nozzle Holder
2.	Discharge Gun	11.	Lower Valve
3.	Safety Valve	12.	Upper Valve
4.	Air Pressure Gauge	13.	Height Adjustment Pole
5.	Side Handle	14.	Vacuum Gauge
6.	Extraction Nozzle	15.	Air Inlet Valve
7.	Chamber	16.	Tank Gauge
8.	Oil Tray	17.	Vacuum Air Inlet Valve
9.	Extraction Gun	18.	Vacuum Valve

ASSEMBLY INSTRUCTIONS

There is very little assembly required, follow the instructions below.

- Screw the oil tray onto the height adjustment pole, turn it clockwise to secure it.
- Check and make sure all pipes are secure and tight.



OPERATING INSTRUCTIONS

OIL COLLECTION

- Raise the engine/vehicle using the appropriate lifting equipment.
- Locate the oil drain plug/bolt on the engine, push the oil drainer so its underneath the oil drain plug/bolt.

OPERATING INSTRUCTIONS....cont

- The oil should now start to transfer to the barrel/container.
- Once all the oil has transferred to the barrel/container, turn the lower valve off and remove the discharge gun.



Note: The discharge gun must be held whilst transferring the oil, this will stop the oil spattering.



Note: Contact your local authority on how / where to dispose of the waste oil.

MAINTENANCE

- Periodically re-check the hoses, valves nuts, bolts and screws, make sure they are tight if not retighten.
- You must drain the waste oil before storing the oil drainer away, this will prevent the inside of the tank corroding.
- Store in a clean and dry location.
- All repairs must be completed by a qualified technician.

TROUBLESHOOTING

Vacuum gauge not working:

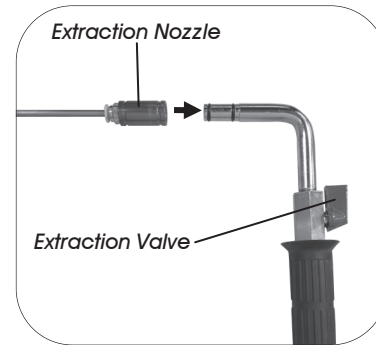
- Check the air pressure on the compressor, it should be between 6 - 8 bar.
- Make sure the correct valves are open.
- Check the vacuum to tank seal.

Reading shown on the vacuum gauge but the machine will not extract:

- Check the o-rings on the extraction gun.
- Make sure the extraction valve is open.
- Make sure the extraction pipe is not blocked or trapped.
- Oil temperature is too low.

OPERATING INSTRUCTIONS...cont

- Fit the extraction nozzle (which fits best into the engine) onto the extraction gun (see right)
- Insert the end of the extraction tube into the engine hole.
- Turn on the extraction valve, this will start to extract the oil from the engine.
- Once all the oil has been extracted turn the extraction valve off.



EMPTYING THE TANK

The tank/chamber gauge (see below) will indicate when the tank/chamber needs to be emptied, see below on how to empty the tank/chamber.



Tank Gauge



Chamber Gauge



Air Inlet Valve

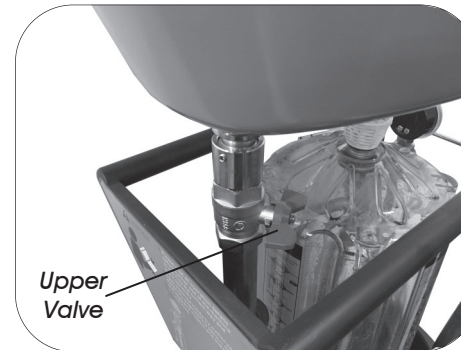
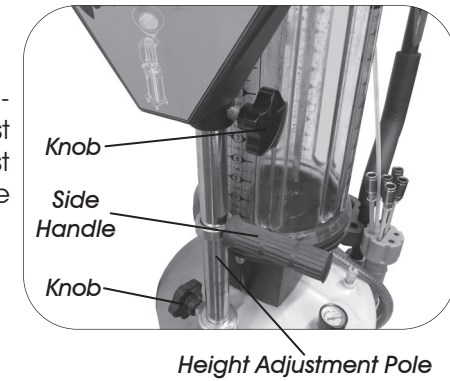


Note: The upper valve must be closed at all times whilst emptying the tank.

- Open the vacuum valve and transfer the oil from the chamber to the tank.
- Close all the valves.
- Connect your air supply to the air inlet valve on the tank (see above right).
- Hook the discharge gun over a barrel/container.
- Open the lower valve and the air inlet valve.
- Slowly turn the air inlet valve on until the safety valve vents at 1 bar, at this point turn the air inlet valve off.

OPERATING INSTRUCTIONS...cont

- Loosen the knob on the side of the height adjustment pole; Use the side handle to adjust the height adjustment pole so its sitting just below the oil drain plug/bolt & retighten the knob.



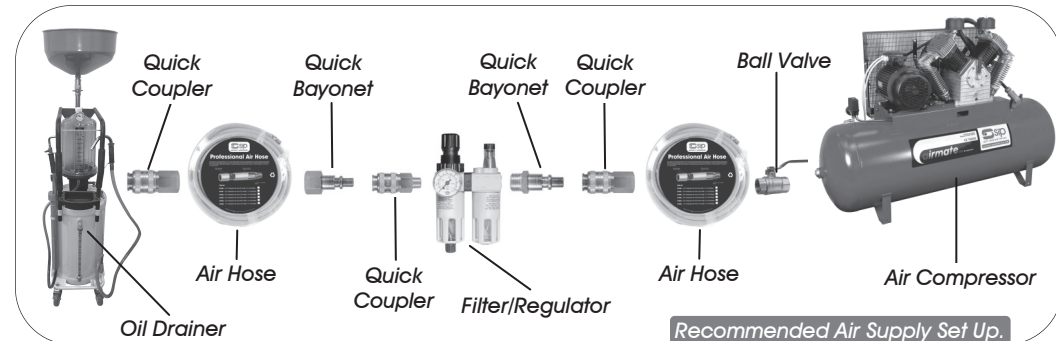
- Open the upper valve located under the oil tray then remove the oil drain plug/bolt.
- Once all the oil has been drained refit the oil drain plug/bolt.

CONNECTING TO THE AIR SUPPLY

- You will require an air pressure between 6-8 bar, and an air flow of 150 L/min.
- Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D. and fittings must have the same inside dimensions.



Caution: Ensure the air supply is clean and does not exceed 6-8 bar while operating the oil drainer. Too high an air pressure and unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage and/or personal injury.



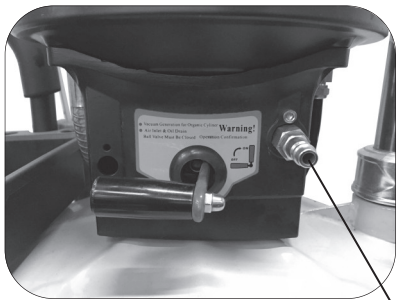
OPERATING INSTRUCTIONS...cont

GENERATING THE VACUUM (INSPECTION CHAMBER ONLY)

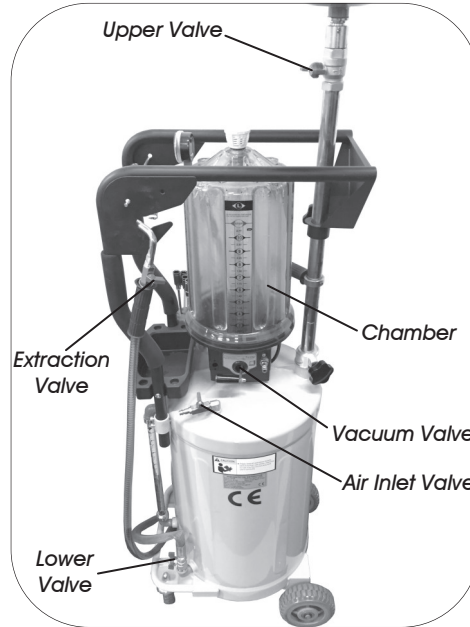


Note: The operating air pressure should be between 6 and 8 bar, and an air consumption of 150L/min.

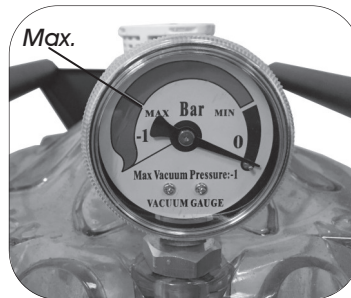
- Ensure all 5 valves are closed (see right).
- Connect the air supply onto the vacuum valve air inlet (see below).
- Turn on your compressor air supply.



Vacuum Air Inlet Valve



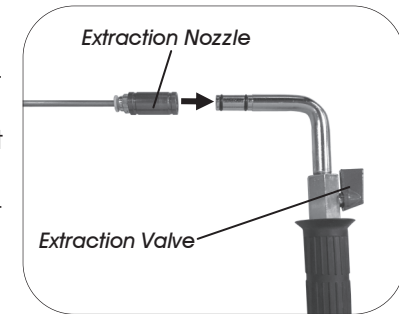
- When the needle on the vacuum gauge reaches max. turn the compressor air supply off, this will take 20-30 seconds approx.
- Fit the extraction nozzle (which fits best into the en-



Note: If continuous vacuum is required then leave the air connected.

OPERATING INSTRUCTIONS...cont

- gine) onto the extraction gun (see right)
- Insert the end of the extraction tube into the engine hole.
- Turn on the extraction valve, this will start to extract the oil from the engine.
- Once all the oil has been extracted turn the extraction valve off.



Note: Never hold the hose whilst extracting, this can get very hot and could lead to burns, always hold it by the rubber handle.

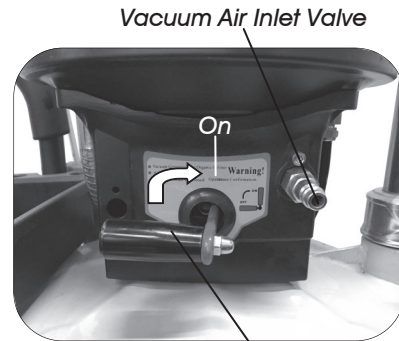


Note: Maximum oil temperature to be extracted is 60°C, never exceed this.

GENERATING THE VACUUM CHAMBER AND TANK

- Make sure all 5 valves are closed.
- Connect the air supply onto the vacuum valve air inlet (see below right).
- Turn on your compressor air supply.

- Put the vacuum valve to 'on' (see right).



Vacuum Valve

- When the needle on the vacuum gauge reaches max. turn the compressor air supply off, this will take 4-5 minutes approx.



Note: If continuous vacuum is required then leave the air connected.