



OPERATING INSTRUCTIONS PARTS LIST (Keystone Lubricator)

**READ
OPERATING
INSTRUCTIONS
BEFORE USING
LUBRICATOR**

**MAXIMUM OPERATING
PRESSURE**
 7 & 12 gallon - 600 psi
 17 & 33 gallon - 1000 psi



Sizes
 7 gallon-600 psi
 12 gallon-600 psi
 17 gallon-1000 psi
 33 gallon-1000 psi

- Features
- Easy to remove cap
 - No moving parts
 - No pumps
 - No wiring
 - Venturi style
 - Infinite flow control with needle valve
 - Manifold can be removed from tank and mounted remotely
 - Sight glass
 - Pressure vessel (A.S.M.E. Code Stamped)
 - 2" or 3" manifold
 - Fill while you drill
 - Fits any drill rig

SIZE	BASE DI AMETER	DI AMETER AT MANI FOLD	HEI GHT	WEI GHT
7 GAL.	19"	25"	31"	160 LBS.
12 GAL.	23 ¼"	29 ¼"	36 ½"	210 LBS.
17 GAL.	22 ¾"	27"	39"	375 LBS.
33 GAL.	23 1/8"	29"	39 ½"	675 LBS.

Manifold needs to be mounted at lubricator bracket level or lower.

WARRANTY

KEYSTONE DRILL SERVICES, LLC WARRANTS THAT EACH ITEM OF EQUIPMENT MANUFACTURED BY IT AND DELIVERED HEREUNDER TO THE INITIAL USER WILL BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF (1) ONE YEAR FROM THE DATE OF SHIPMENT TO THE INITIAL USER.

THIS WARRANTY DOES NOT APPLY TO FAILURES OCCURRING AS A RESULT OF ABUSE, MISUSE, NEGLIGENT REPAIRS, CORROSION, EROSION AND NORMAL WEAR AND TEAR, ALTERATIONS OR MODIFICATION MADE TO THE PRODUCT OR FAILURE TO FOLLOW THE RECOMMENDED OPERATING PRACTICES AND MAINTENANCE PROCEDURES AS PROVIDED IN THE PRODUCT'S OPERATING AND MAINTENANCE PUBLICATIONS.

KEYSTONE DRILL SERVICES, LLC IS NOT LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES. THE TOTAL EXTENT OF OUR WARRANTY IS LIMITED TO THE REPLACEMENT VALUE OF THE LUBRICATOR. KEYSTONE DRILL SERVICES, LLC, AT ITS DISCRETION, MAY ELECT TO REPAIR OR REPLACE THE DEFECTIVE PART OR PARTS.

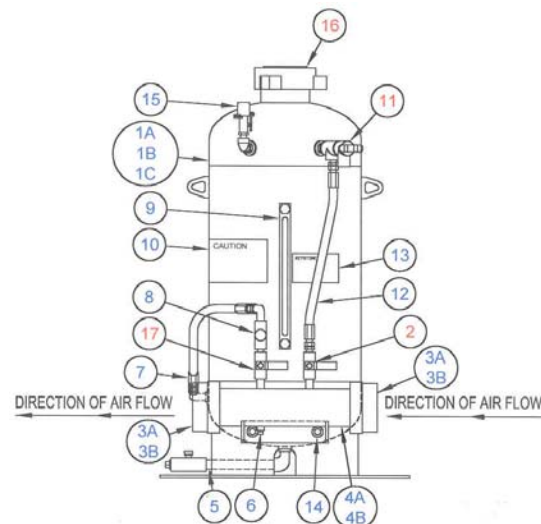
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TURN OVER

Keystone Lubricator Parts List

Item	Qty	Part Description	Part #
1A	1	Tank Assembly (7 gallon)	KDS-7G-600
1B	1	Tank Assembly (12 gallon)	KDS-12G-600
1C	1	Tank Assembly (17 gallon)	KDS-17G-1000
1D	1	Tank Assembly (33 gallon)	KDS-33G-1000
2	1	Inlet Valve (3/8" Ball Valve)	SA105
3A	2	3" Air Hose Spud	GB38
3B	2	2" Air Hose Spud	GB28
4A	1	3" Air Manifold Assembly	314AMA
4B	1	2" Air Manifold Assembly	214AMA
5	1	Drain Pipe Assembly	386DPA
6	1	1/4" Pipe Plug	3248010
7	1	Discharge Hose Assembly	125038DHA
8	1	3/8" Needle Valve Assembly	38NVA
9	1	Sight Glass	STSC
10	1	Caution Sticker	
11	1	3/8" Ball Valve	SA105
12	1	Intake Hose Assembly (20" x 1/2")	IHA1220
13	1	Keystone Logo Sticker	
14	2	Bolt & Nut Assembly (3/8" x 1 1/2")	38BNA
15	1	Safety Relief Valve Assembly	14SRVA
16	1	Fill Cap Coupling	4FCC
17	1	Discharge Valve (3/8" Ball Valve)	SA105



Manifold needs to be mounted at lubricator bracket level or lower.

Operating Instructions

- 1) Connect air supply to inlet side of manifold, install whipcheck
- 2) Connect outlet side of manifold to line going to hammer, install whipcheck
- 3) Close vent valve #11
- 4) Apply air pressure to manifold and open air intake valve #2
- 5) Open oil line needle valve #8, four complete turns and lock in place
- 6) Open discharge valve #17
- 7) Operate hammer and check if bit is wet. A properly lubricated tool will be wet but not dripping oil
- 8) To control lubricating, adjust needle valve counter-clockwise to increase oil, clockwise to decrease. With correct adjustment, lock set screw and continue drilling
- 9) To stop oiler, close air intake valve #2 and close discharge valve #17

Filling Instructions

- 1) Close inlet valve #2
- 2) Close discharge valve #17
- 3) Open vent valve #11
- 4) When air has bled out of tank, remove fill cap #16
- 5) Fill lubricator tank with rock drill oil
- 6) Replace fill cap #16
- 7) Close vent valve #11
- 8) Open inlet valve #2
- 9) Open discharge valve #17

Sizes

7 gallon-600 psi
12 gallon-600 psi
17 gallon-1000 psi
33 gallon-1000 psi

LUBRICATOR MUST BE INSTALLED UPSTREAM OF ANY
OTHER INJECTED FLUIDS SUCH AS MUD, FOAM AND WATER!

**MAXIMUM OPERATING
PRESSURE**
 7 & 12 gallon - 600 psi
 17 & 33 gallon - 1000 psi