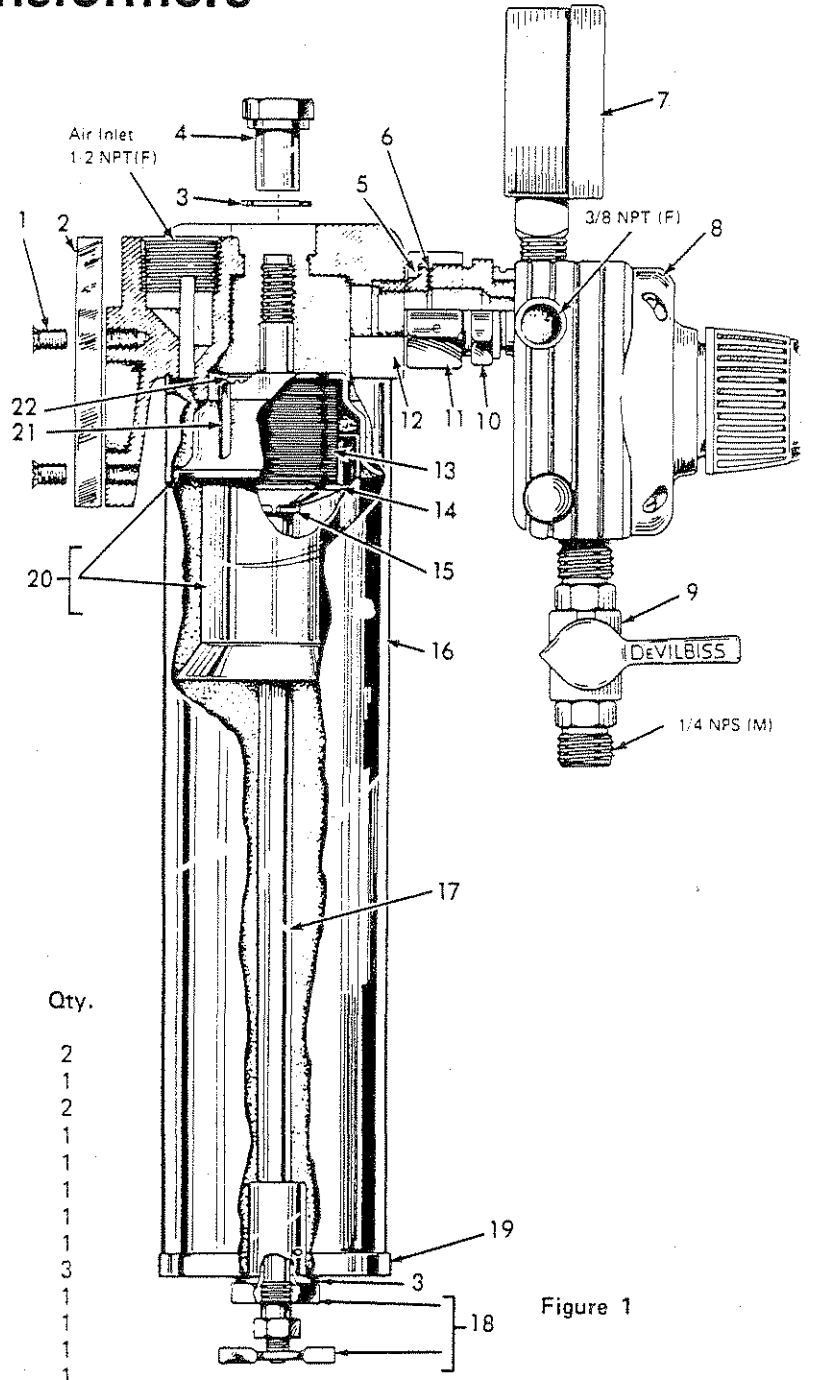


HLE-501 and P-HLE-501-A Transformers



Ref. No.	Part No.	Description	Qty.
1	SS-3029	Machine Screw - 1/4 x 1/2	2
2	HL-62	Wall Mounting Bracket	1
•3	SS-2527	Gasket 11/16 x 7/8	2
4	HLE-4	Separator Head Nut	1
5	HLE-16	Coupling	1
•6	SKK-11	Coupling Gasket	1
7	GA-288	Gauge 160 Pounds	1
8	HAA-522	Regulator	1
9	VA-541	Valve	3
10	HLE-18	Nipple	1
11	HLE-17	Coupling Nut	1
12	HLE-1	Transformer Head	1
•13	HLE-12	Filter	1
14	HLE-11	Filter Support	1
15	HLE-10	Retaining Ring	1
16	HLE-15	Outer Tube	1
17	HLE-9	Tie Rod	1
18	HLE-4001	Drain Valve & Nut Kit	1
19	HLE-14	Tube End Cap	1
20	HLE-401	Inner Tube & Flange Assembly	1
21	HLE-5	Deflector	1
22	SS-967	Machine Screw 6/32 x 1/4	1

Figure 1

SPECIFICATIONS

Capacity	50 C.F.M.
Max. Regulated Pressure	135 P.S.I.
Max. Main Line Pressure	250 P.S.I.
Main Air Line Inlet	1/2 NPT (F)
Air Regulator Outlets	3/8 NPT (F)
Air Valve Outlet Conn.	1/4 NPS (M)

Chart 1

•These parts are suggested to be kept on hand by users for emergency replacements.

INSTRUCTIONS

PURPOSE

To filter dirt from air, remove entrained (liquid, not vapor) oil and water and to provide regulated and main line air pressure to operate air devices. Gauge indicates regulated air pressure.

PREVENTIVE MAINTENANCE

WARNING

AIR PRESSURE CAN PROPEL LOOSENED PARTS. ALWAYS TURN OFF THE AIR SUPPLY AND RELIEVE PRESSURE BEFORE DISASSEMBLING.

INSTALLATION

Bolt transformer to wall near operator for convenient reading of gauge and operation of valves and adjustment (See Figure 1). Connect main line air to air inlet at top of transformer (See Figure 1). For maximum separating efficiency the air going into the transformer should be as cool as possible to permit maximum condensation. Air line should be run through as cool an area as possible. For recommended piping and sizes (See Chart 2 and Figure 2).

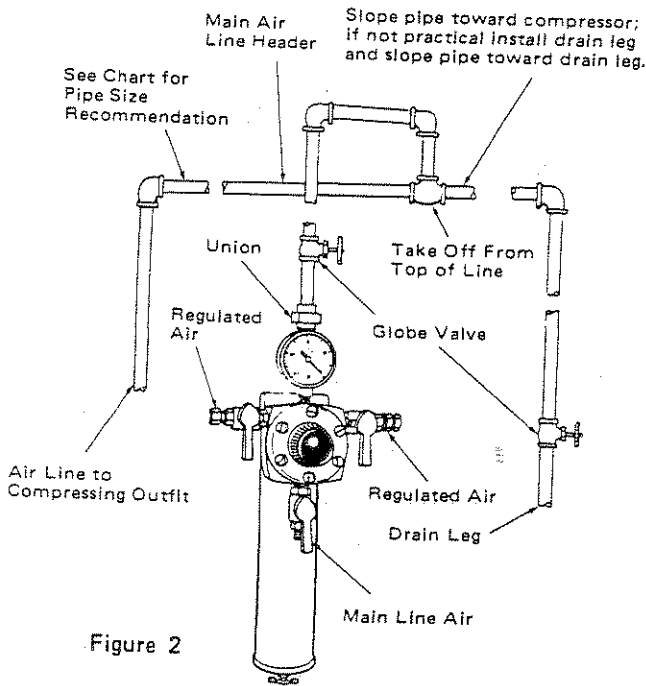


Figure 2

OPERATION

Three valve controlled outlets (See Figure 2) are provided for supplying air to air devices. The two on the sides are for regulated air. The one at the bottom is for main line air. Knob on front of regulator controls regulated air pressure which is automatically maintained by unit. Turning knob clockwise increases regulated air pressure.

Drain unit daily by turning drain valve (18) to left (counter-clockwise) until drainage stops. Do this with main line air pressure in unit so that air pressure will force drainage from transformer tube. Thoroughly clean condenser tube assembly of accumulated residue at least twice a year by removing retaining nut (19), tube end cap (20) and outer tube (16). To inspect or replace filter (13) - remove tie rod (17). Filter support (14) and filter (13) will then drop out. To reassemble - reverse the above procedure. Use a non-hardening sealing compound at top and bottom of tube (16).

MINIMUM PIPE SIZE RECOMMENDATIONS		
Main Air Line Pipe		
CAPACITY	LENGTH	SIZE
5 to 10 C.F.M.	Over 50 ft.	3/4"
10 to 20 C.F.M.	Up to 200 ft.	3/4"
	Over 200 ft.	1"
20 to 40 C.F.M.	Up to 100 ft.	3/4"
	Over 100 to 200 ft.	1"
	Over 200 ft.	1-1/4"
40 to 60 C.F.M.	Up to 100 ft.	1"
	Over 100 to 200 ft.	1-1/4"
	Over 200 ft.	1-1/2"

Chart 2

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