



4500 WEST CORTLAND STREET, CHICAGO, ILLINOIS 60639

1170 & 1170-2 DESICCANT DRYER INSTRUCTION SHEET

Bowl	Maximum Pressure	Temperature Range
Metal	250 PSI	40°F to 160°F

Warning! For compressed air service only. Not to be used on life support or breathing air systems. Sight Glass will crack if exposed to synthetic oils and solvents. Metal Bowl Sight Glass is made of polyetherimide resin (Ultem) that will crack if exposed to solvents or oils containing ethyl acetate, methylenedichloride, methylethylketone, phenol, 1.1.2-trichloroethane, xylene, benzyl alcohol, dichlorobenzene or any partially halogenated or aromatic hydrocarbons. For any additional information regarding chemical compatibility of Ultem please contact: General Electric Plastics Group, One Plastics Avenue, Pittsfield, MA 01201

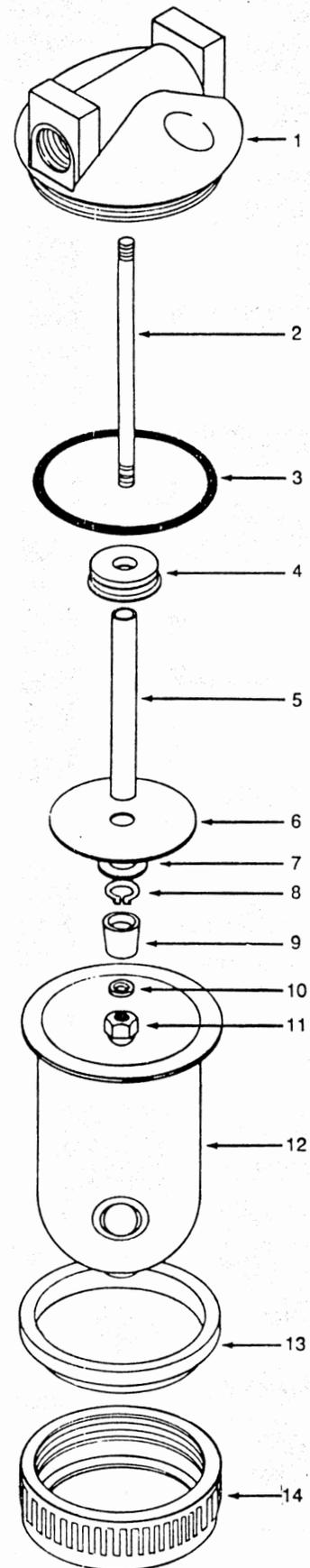
INSTALLATION: Install the dryer so that air flow is in the direction "IN-OUT" as indicated on the head of the unit. A prefilter combination is an absolute necessity ahead of the dryer. The first stage (1020-8) will remove heavy liquid water and solid particulates down to 40 micron size. The second stage (1037) will remove oil and water aerosols and particles down to .03 micron in size.

NOTE: Used desiccant material can be regenerated by spreading desiccant material in a thin layer in a shallow container, heating in a circulating oven at 275°F until complete color transformation takes place, approximately three hours. Caution - do not pre-heat oven or exceed 350°F.

MAINTENANCE: Care must be taken to change the dryer's desiccant material or regenerate it whenever it appears completely pink in color (check sight glass). Following are the steps to be taken when recharging dryer: 1) shut off air supply and bleed system. 2) Unscrew ring nut, remove bowl assembly. 3) Remove used desiccant material. 4) Check and clean if necessary, the exhaust tube of dust particles by removing acorn nut, gasket seal and exhaust filter. When cleaning is complete reassemble exhaust filter, gasket seal and nut. 5) Remove sight glass retainer and sight glass. Remove used desiccant material from sight glass and bowl. Refill bowl and sight glass with new or recharged desiccant. NOTE: Whenever filling leave 1/2" gap from top flange for desiccant expansion. 6) Reassemble sight glass assembly and tighten retainer hand tight. 7) Fill unit with new or recharged desiccant (1170-1). 8) Replace bowl assembly and tighten ring nut hand tight.

CAUTION: Store replacement desiccant in a dry area making certain that the can is tightly sealed and shelf life is noted.

ID #	Kit Description	1170 Kit #	1170-2 Kit #	Contents
3, 12, 13, & 14	Bowl Kit with Sight Glass	1170-10	1170-20	O-Ring, bowl assy, bowl ring adaptor, bowl ring
2, 4, 5, 7, 8, 10, & 11	Repair Kit	1170-11	1170-21	Threaded rod, exhaust tube adapter assy, exhaust tube, washer, retaining ring, cap nut
9 & 10	Element Kit	1170-12	1170-15	Exhaust element, gasket
6	Filter Kit	1170-13	1170-13	Dispersion filter
Not shown	Sight Glass Kit	1170-14	1170-14	Sight Glass, O-Ring
3	O-Ring	1121-14	1121-14	O-Ring



NOTE: If excessive pressure drop occurs, replace exhaust element, (1170-12 or 1170-15)