



DESCRIPTION

The Gravity Sight Feed Oiler affords a clear view and fine control of oil flowing, by gravity, to a lubrication point. The double window design permits observation of the oil stream from either side of the oiler.

FEATURES

- Body vent prevents the fogging of the windows.
- Optional single installation; or oilers may be manifolded in batteries to form a central lubrication control point. They are especially useful for equipment having many lubrication points.
- Cast iron body construction with glass windows, bronze fittings and a blue enamel finish.
- Maximum working pressure of 125 psi at the maximum operating temperature of 225°F.
- Flow through the oiler is relative to the adjustment of the screw for various viscosities of oil at different supply pressures. (See Flow Rate Adjustment table on Page 2).



APPLICATIONS

- Paper Mill Oiling Systems
- Steam Engines
- Gas Engines
- Related Industrial Applications.

INSTALLATION

The Model 4B Oiler must be installed in a vertical position, as shown in the drawing on page 2. To facilitate service and prevent possible starvation of lubricant to a bearing, no more than four oilers should be manifolded together. When the oiler is located at the end of the supply manifold, i.e. with no equipment installed on the downstream side of the oiler, the unused connection must be closed with a suitable 1/2" pipe plug.

OPERATION

Start the flow of oil through the system. Turn the oiler adjusting screw (1) to open the oiler. Adjust the screw until the described flow is obtained. Use the accompanying graphs (see page 2) as a guide to the adjustment of the oiler.

Note: Adjust the oiler by hand only. Never use wrenches, etc., to turn the adjusting screw.

MAINTENANCE

This oiler should give trouble-free service with little or no maintenance required. It may be desirable to clean the windows periodically. To do so, close the adjusting screw to stop the flow through the oiler. Insert a pointed tool into the hold in the body (X) to push the "O" ring (7) away from the body. By pulling the loop thus formed, the "O" ring may be easily withdrawn from the body. To facilitate the removal of the glass window, touch a piece of adhesive tape to the glass and pull gently. Clean glass with a soft cloth. Inspect "O" ring and replace if worn or damaged. Reassemble parts in reverse sequence.

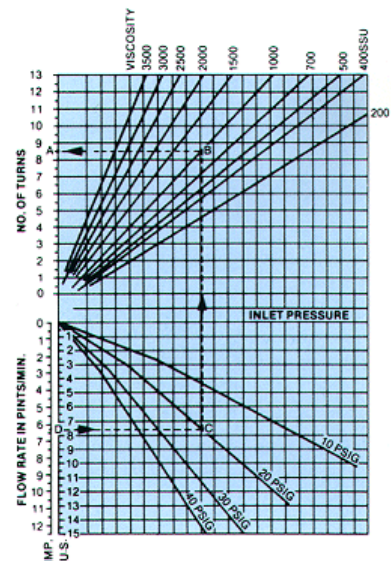
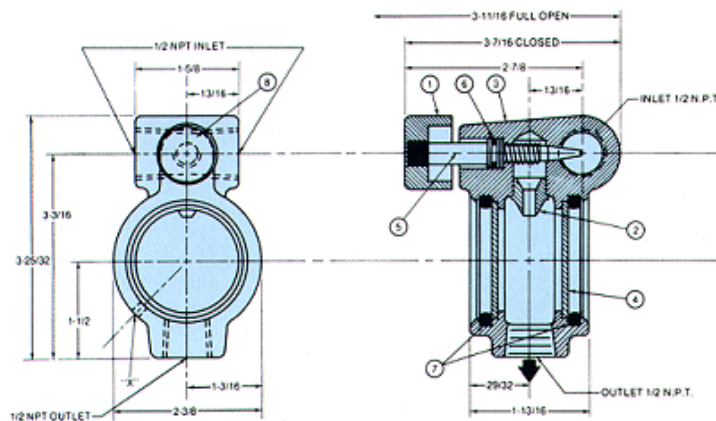
[See Page 2 for Specifications, Graphs and Repair Parts List.](#)



WHEN ORDERING REPAIR PARTS, GIVE THE FIGURE NUMBER AND NAME FOUND ON THE NAMEPLATE, IN ADDITION TO THE SYMBOL NUMBER, PART NUMBER AND NOMENCLATURE OF THE PIECE REQUIRED, AS FOUND IN THE PARTS LIST BELOW.

Repair Parts List

Item	Description	Part #	Amount Required
1	Needle Valve Stem Assembly (includes 21N10 Knob)	20N84	1
2	Nozzle 9/16" diameter x 5/8" lg. Free cutting brass	21N01	1
3	Oiler Body	21N04	1
4	Sight Glass	03Z32	2
5	Drive Screw	29920	1
6	"O" Ring - 1/2" diameter	300273	1
7	"O" Ring - 2" diameter	300874	2
8	Decal	20N83	1



Flow Rate Adjustment Example:

Select the desired flow rate of 7½ US pints/minute (D) on scale pints/minute, and known inlet pressure of 20 PSIG © and known viscosity of 1000 SSSU (B) and read the correct number of turns of control knob on scale (A) to give the required flow rate.

KAYDON FILTRATION GROUP

www.kaydonfiltration.com
 Instant Literature-by-Fax: www.kaydonfilter.thomasregister.com
 1571 Lukken Industrial Drive West - LaGrange, GA 30240-5756
 Phone: 706-884-3041 Fax: 706-883-6199
800-241-2342 ext. 3

ISO 9001-97



Certificate #002232
MADE IN U.S.A.