

Chapter 1

ADAPTERS, PRESSURIZING AND EMPTYING

LIST OF CONTENTS

	Para.		Para.
Pressure adapter, Ref. No. 6C/3037	...	1	◀Pressurizing and emptying adapter, Ref.
Emptying adapter, Ref. No. 6C/3038	...	2	No. 6D/2998
			... 3▶

LIST OF ILLUSTRATIONS

	Fig.		Fig.
Pressurizing adapter, Ref. No. 6C/3037	...	1	◀Pressurizing and emptying adapter, Ref.
Emptying adapter, Ref. No. 6C/3038	...	2	No. 6D/2998
			... 3▶

WARNING . . .

The presence of oil or grease in contact with oxygen at high pressure is dangerous, since it introduces a grave risk of explosion.

Pressure adapter, Ref. No. 6C/3037

1. To facilitate the pressurizing of liquid oxygen systems for leak testing, a pressurizing adapter (802789), Ref. No. 6C/3037 is used. This component is fitted to the fill and vent valve to provide a means for connecting up the pressure supply. The small end of the adapter embodies a screwed nipple which is connected to $\frac{5}{16}$ in. O.D. pipeline from the pressure supply. The larger end of the adapter is fitted to the fill and vent valve (Sect. 1, Chap. 1). Both the nipple and the larger end of the adapter are provided with dust caps to prevent the ingress of dirt or moisture. The blanking plugs are attached to suitable lengths of chain which are fastened to a free circlip located in a recess in the body of the adapter.

Emptying adapter, Ref. No. 6C/3038

2. The emptying adapter, Ref. No. 6C/3038 is

similar to the pressurizing adapter externally, but differs slightly in dimensions and the nipple arrangement. The nipple is connected to $\frac{5}{16}$ in. O.D. pipeline which is used for draining the liquid oxygen system. The pipeline should be of sufficient length to ensure that the liquid is ejected clear of the aircraft structure and will have dissipated as gas before reaching the ground. This component also embodies dust caps attached to chains which are anchored on a free circlip located in a recess in the body of the adapter.

◀Pressurizing and emptying adapter, Ref. No. 6D/2998

3. This adapter is a dual type (pressurizing and emptying) adapter for pressurizing or emptying liquid oxygen systems. The larger end of the adapter is connected to fill and vent valve. The smaller end embodies a screwed nipple which is connected to a pipeline from the pressure supply or a pipeline for draining the liquid oxygen system. Both ends are supplied with dust caps, which are anchored to a suitable length of chain fastened to a free clip on the body.▶

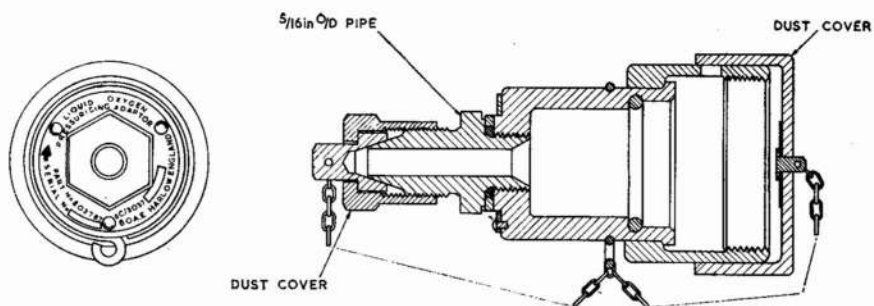


Fig. 1. Pressurizing adapter, Ref. No. 6C/3037

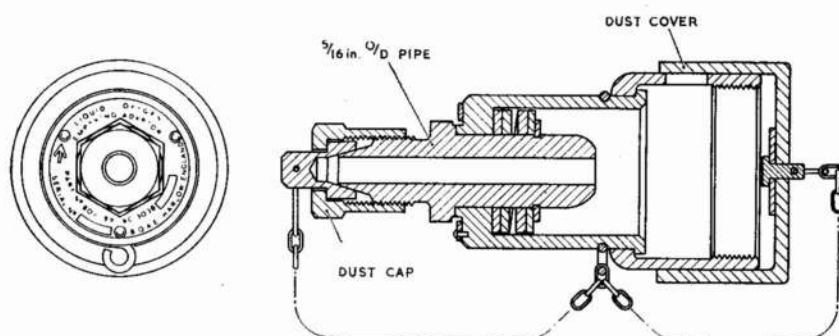


Fig. 2. Emptying adapter, Ref. No. 6C/3038

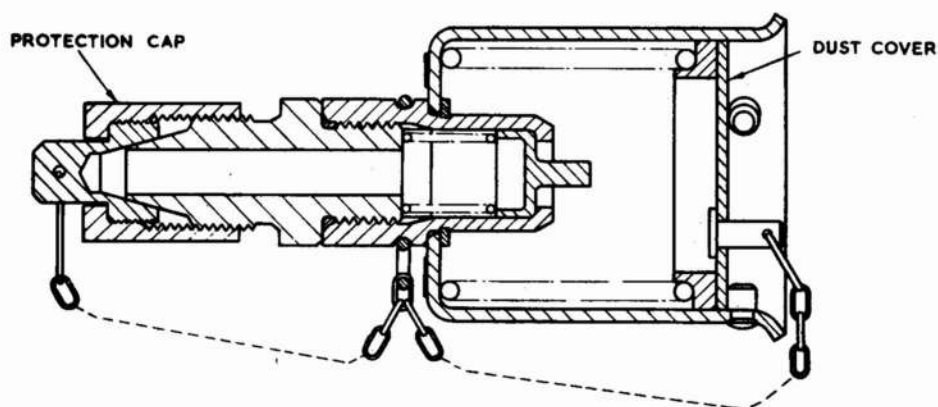


Fig. 3. Pressurizing and emptying adapter, Ref. No. 6D/2998

RESTRICTED

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

