

TECHNICAL DATA SHEET

CODE:	BPFF & HDVBRK
DESCRIPTION:	REGA KNAPSACK 16LT RIGID PVC FIRE FIGHTER SPRAYER
CATEGORY:	FIRE FIGHTER BACK PACKS
REVISION DATE:	03 AUGUST 2020



Optional Heavy Duty Vehicle Mounting Bracket
Part # HDVBRK



Optional UV Resistant Cover
Part # CTRBP

PRODUCT DESCRIPTION:

The BPFF 16L firefighting backpack was specifically developed in conjunction with and for use by Australian Rural Firefighting agencies. The popular, portable and robust backpack sprayer has been adopted by many other government agencies, mining companies, forestry operations, farming businesses and individual land holders as a practical rural fire fighting solution.

Regularly carried in rural vehicles using the optional heavy duty vehicle bracket (#HDVBRK) the backpack sprayer is easily transported to remote locations using the incorporated backpack harness. The hand operated slide pump is both adjustable and easy to operate. The BPFF is ideal for mopping-up operations, small spot fires and for combating isolated or small ember attacks.

KEY PRODUCT FEATURES:

- Meets Requirements of Australian Standard AS 1687
- 16 Litre Polyethylene Tank with Adjustable Backpack Straps
- Brass Plunger Type Pump
- No 8 Bushfire Nozzle with Straight Jet / Flat Fantail Patterns
- Spraying Capacity approximately 1.25L/M
- Dimensions 381mm L x 176mm W x 450mm H



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INSTRUCTIONS FOR USE:

SPRAYING:

Short strokes (80-120mm) of the pump will give an easy, comfortable operation and is quite adequate for normal spraying.

NUMBER 8 BUSHFIRE NOZZLE OPERATION:

The Number 8 Bushfire Nozzle is fitted with an adjustable stop, which can be preset to give a pattern from a Straight Jet to a Flat Fantail. Length of Straight Jet is 7.5 to 9.0 meters (nominal). The adjustable stop can be set to give the desired fantail—optimal fantail operation is approx. 4.5 meters long with a width of 800-900mm (nominal) at the limits of spray. Varying widths of fantail spray may be obtained by moving the nozzle lever to the opposite side of the slot in the nozzle body. Spraying volume using the Number 8 Bushfire Nozzle is approx. 1.25 litres per minute (l/m).

CARE OF PUMP:

Unscrew the stuffing box cap and remove plunger assembly. Smear the 'O' rings and plunger tube with petroleum jelly or a suitable grease, this should be done regularly or difficulty in pumping may occur, the nozzle plug should also be lubricated at the same time.

Check that the seating washer is in position and has not shrunk, replace if missing or damaged. Occasional checking of the elbow valve tail for cleanliness is also recommended.

Adjust the stuffing box to give easy movement of the plunger tube – too tight will result in difficult pumping – too loose will cause leakage.

For routine maintenance use part # BPFOK Backpack Firefighter Overhaul Kit and refer to the Overhaul Kit Instructions supplied.

LOSS OF PRESSURE:

If during pumping pressure is not reached check for the following;

- Outlet strainer fitted inside the container is blocked
- Worn or damaged plunger 'O' rings
- Elbow valve tail and/or plunger valve is blocked

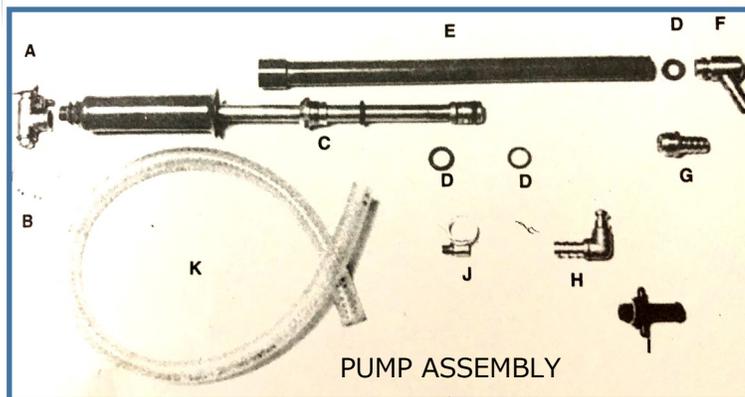
CAUTION:

Although, this polythene knapsack is manufactured from "UV" stabilised materials it should be stored away from direct sunlight to achieve best possible product life. UV protective covers such as part # CTRBP may be used in outdoor applications.

BPFPS is designed for fire fighting use only and should only be used with water. Additives / chemicals could damage internal seals and hoses.

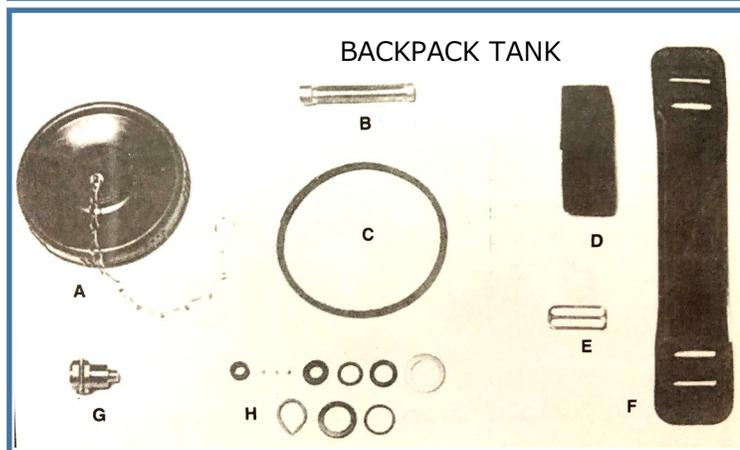


SPARE PARTS LIST:



PUMP ASSEMBLY

A	NOZZLE ASSEMBLY	RBPN
B	CLIP WITH CHAIN	RBPCC
C	PLUNGER ASSEMBLY	NA
D	INC IN OVERHAUL KIT	NA
E	CYLINDER ASSEMBLY	NA
F	HOSE TAIL VALVE	RBPHTV
G	NOT USED IN BPFF	NA
H	ELBOW HOSE TAIL	RBPEO
I	NOT USED IN BPFF	NA
J	HOSE CLAMP	NA
K	HOSE BARE POLY	RBPHO



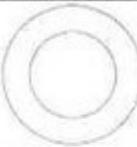
BACKPACK TANK

A	LID ASSEMBLY	BPLO
B	STRAINER ASSEMBLY	BPFSA
C	LID SEAL	BPLS
D	STRAP (EACH)	RBPSO
E	BUCKLE (EACH)	RBPBO
F	SHOULDER PAD (EACH)	RBPSPO
G	OUTLET SOCKET	RBPOS
H	OVERHAUL KIT	BPFOK

Part Number	Alt Ref	Description
BPFOK	109778	BACK PACK F/FIGHTER 16LT PVC OVERHAUL KIT
BPFSA	109763	BACK PACK F/FIGHTER 16LT PVC STRAINER ASSEMBLY
BPLO	109792	BACK PACK LID ONLY 16LT PVC POLYTHENE 16lt
BPLS	109701	BACK PACK LID SEAL 16LT PVC POLYTHENE 16lt
RBPBO	109712	BACK PACK BUCKLE ONLY 16LT PVC POLYTHENE 16LT
RBPCC	109715	BACK PACK CLIP c/w CHAIN 16LT PVC UNDERARM PUMP ASSEMBLY
RBPEO	109775	BACK PACK ELBOW ONLY FOR 16LT PVC UNDERARM PUMP ASSEMBLY
RBPHC	103330	BACK PACK HOSE CLAMP FOR 16LT PVC UNDERARM PUMP
RBPHO	109777	BACK PACK HOSE ONLY BARE POLY FOR UNDERARM PUMP
RBPHTV	109770	BACK PACK HOSE TAIL VALVE FOR UNDERARM PUMP ASSEMBLY
RBPN	109753	BACK PACK PUMP NOZZLE ASSY FOR UNDERARM PUMP
RBPOS	109703	BACK PACK OUTLET SOCKET POLYTENE 16LT
RBPPA	109724	BACK PACK PUMP ASSEMBLY c/w HOSE & UNDERARM PUMP
RBPPO	109727	BACK PACK PUMP ONLY FOR UNDERARM PUMP ASSEMBLY
RBPSO	109711	BACK PACK STRAP ONLY POLYTHENE 16LT
RBPSPO	109713	BACK PACK SHOULDER PAD ONLY POLYTHENE 16LT



BPFF OVERHAUL KIT #BPFOK CONTENTS:

HAND PUMP				
Item	Description	Part (Not To Scale)	Used On	Qty
1	O-Ring		- Hand Pump Hose Tail	1
2	O-Ring		- Plunger	1
3	O-Ring		- Plunger	1
4	Poly Washer		- Handle Locknut - Plunger	2
OUTLET BODY				
5	Brass Flat Washer		- Outlet Body / Tank	1
6	Brass Cupped Washer		- Outlet Body / Tank	1
7	Rubber Washer		- Outlet Body / Tank	1
8	Rubber Washer		- Outlet Body / Tank	1
9	Rubber Washer		- Outlet Body	1
10	Spring		- Outlet Body	1
11	Locking Ball		- Outlet Body	3

