WALLACE

UNI PUMP SEAL AVAILABLE FOR MODEL 3/4HP, 2HP, & 3HP ONLY FROM

MCQUINN PUMPS PH: 0800 627 846

UNI Series Centrifugal Pumps for farm and industry

UNI Series Centrifugal Pumps

When lots of water is required — specify 'UNI' pumps.

The Wallace Uni series Centrifugal Pumps have many applications around the farm and in industry wherever a large volume of water is required or you need water pressure up to 375 kpa.

An ideal pump for washing down cowsheds — stock runs — tractors and implements, or transferring water to where it is required.

Refer overleaf for the sizes of pumps available and the pump characteristics.



CONSIDER THESE ADVANTAGES

- A range of pumps to choose from
- Robust cast iron construction
- Volute may be positioned 3 different ways to suit the delivery pipe position (except 5hp)
- Pump can be dismantled without having to disconnect inlet and outlet pipework.
- Efficient enclosed type impeller
- Mechanical seal of Stainless Steel and carbon for long trouble free life
- Long lasting paint finish
- Ideal pump for pressure outfits

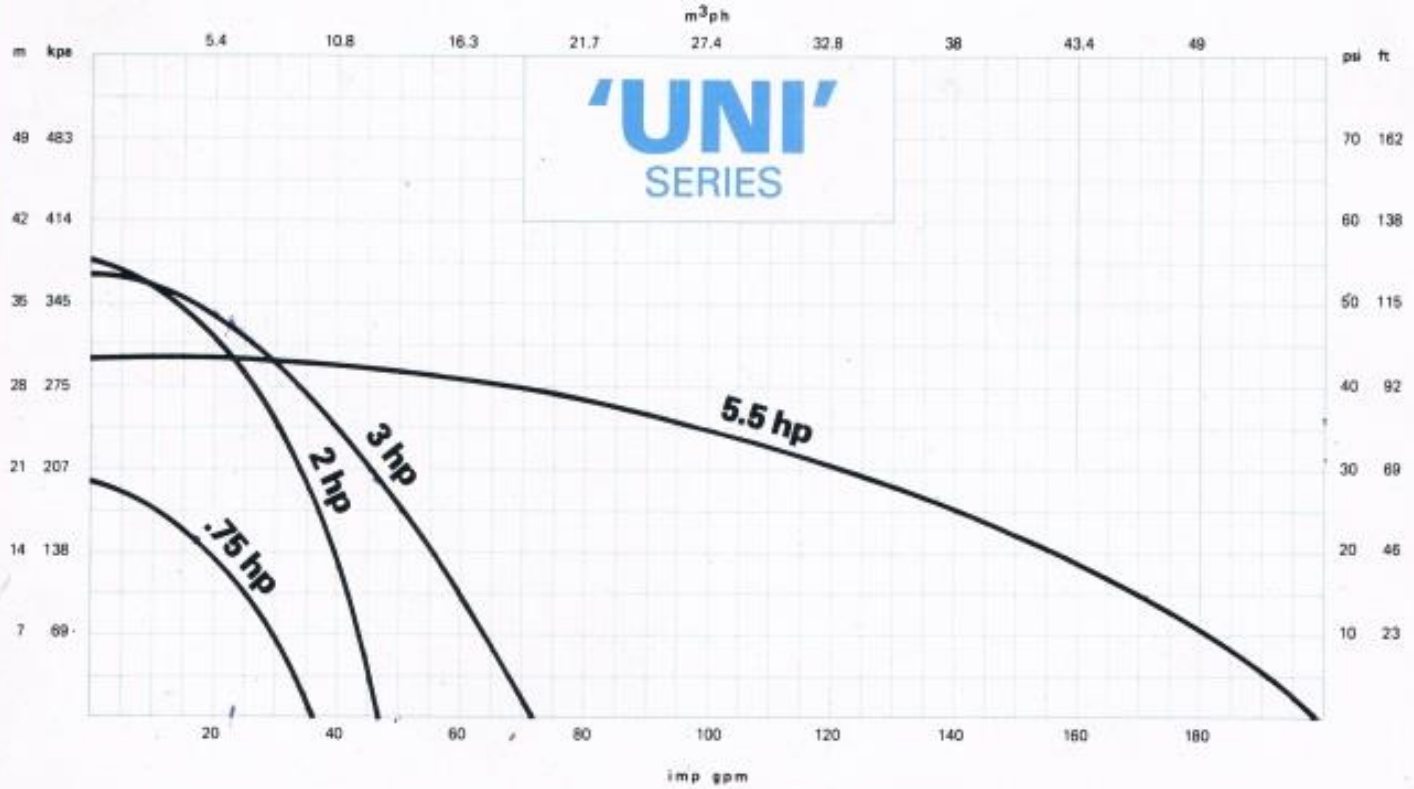
SPECIFICATIONS

★ 0.75 HP Model — Single phase drip proof motor
1" BSP Suction
¾" BSP Delivery
Price $ ..... Impeller — Noryl

★ 2HP Model — 3 phase TEFC motor
1¼" BSP Suction
1" BSP Delivery
Price $ ..... Impeller — Bronze (cast iron optional)

★ 3 HP Model — 3 phase TEFC motor
1½" BSP Suction
1¼" BSP Delivery
Price $ ..... Impeller — Bronze (cast iron optional)

★ 5.5 HP Model — 3 phase TEFC motor
2½" Flanged Suction
2" Flanged Delivery
Price $ ..... Impeller — cast iron



WALLACE

AUCKLAND
35 Maurice Rd, Penrose, PO Box 12-174, Auckland.
Tel: 661-049.

WHANGAREI
Albert St, PO Box 120, Whangarei. Tel: 88-132.

HAMILTON
Cnr. Tristram & Liverpool Streets, P O Box 9342, Tel. 391-201.

NEW PLYMOUTH
170 Gill St, PO Box 4067, New Plymouth. Tel: 75-975.

WELLINGTON
21 Regent St, Petone, PO Box 38-384, Petone. Tel: 684-132.

Operating instructions for
UNI CENTRIFUGAL PUMP 0.75 H.P.
1" B.S.P. SUCTION — ¾" B.S.P. DELIVERY

GENERAL:
Do not run this pump dry or damage may result to the mechanical seal.

INSTALLATION:
Maximum suction lift is 15ft. vertically. Due allowance must be made for loss of suction head due to length of horizontal portion of suction line. As an aid to priming a tee piece can be inserted in the delivery line close to the pump and fitted with a short vertical length of pipe with plug or stop cock. This is not necessary where flooded suction exists. See that all pipe joints are properly made. For a suction lift fit a good screened foot valve vertically with at least two feet of water above it if possible. A continuous fall even if slight, from pump suction to water should be maintained to avoid air pockets. Avoid the use of sharp bends, etc. Keep the suction line as short as practicable. Use the same size pipe as indicated by the threading of the suction flange. Where flooded suction exists use a check valve on the horizontal suction line.

PRIMING:
Remove priming plug in priming tee or in top of pump casing and completely fill the suction pipe and casing until all air is expelled, and water free from bubbles flows from the hole. With the pressure outfit, close off the tank delivery line before priming the pump. Of course with a flooded suction the pump will self prime, but removal of the priming plug in the casing will ensure that all air is expelled. If foot valve is tight, water level should remain steady in the casing. Replace priming plug.

STARTING:
Switch on power but stop pump promptly if water does not come in a few seconds. Pressure outfit gauge should show pressure increase after a few moments running. If no water comes check over as under "Troubles".

TROUBLES:
Pump fails to deliver water. Reprime, check suction lift line for leaks — check total suction lift — check direction of rotation — check for obstruction in suction line.
Pump delivers a little water then flow fails. Some air probably remains in pump, reprime — air pocket in suction line, suction lift too high, worn gland seal (after considerable service), foot valve too close to water level which may fall when pumping starts.
Fall off Capacity. Air leaks in suction line or gland, suction pipe or impeller partly obstructed, foot valve blocked.
Pump Noisy. Solid obstruction in pump case, bent shaft, rotating parts binding, worn motor or housing bearings.
Any of these defects require expert attention.

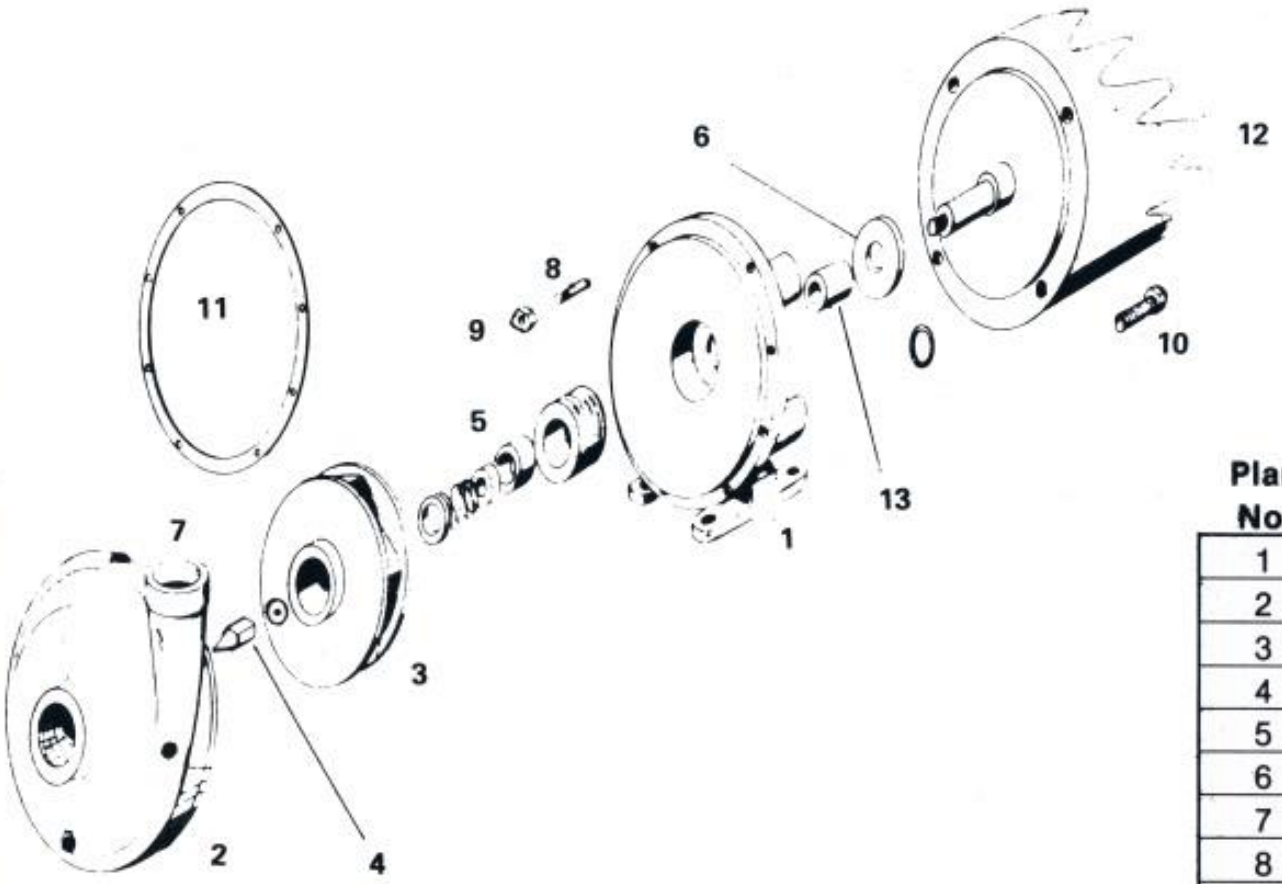
MAINTENANCE:
Keep all lines leak free. Leaking gland requires replacement, and is best done by a serviceman. Motor or bearing housing ball races are grease packed and should not require attention for some years.

D.McL.Wallace Ltd

35 Maurice Road, Penrose, PO Box 12-174, Auckland, New Zealand. Telephone 641-049. Telex: NZ 2913

Branches			
Whangarei	Albert Street	P.O. Box 120	Telephone 88-132
Hamilton	Cnr Tristram & Liverpool Streets	P.O. Box 9342	Telephone 391-201
New Plymouth	170 Gill Street	P.O. Box 4067	Telephone 75-975
Wellington	8-10 Hautonga Street, Petone	P.O. Box 38-384	Telephone 684-132
Palmerston Nth	10 Edgeware Road	P.O. Box 981	Telephone 76-330

¾ H.P. UNI PUMP
Code 80160



Plan No.	Code No.	Description
1	40505	Frame
2	40506	Cover
3	41122	Impeller (Noryl)
4	40276	Impeller Nut
5	14039/14040	Seal
6	14041	Water Slinger
7	14111	Plug ⅛" B.S.P.
8	11012	Studs 1" x 5/16" B S W
9	11021	Nuts 5/16"
10	10016	Set Screw ¾" x 5/16"
11	13042	Gasket
12	07001	Motor ¾h.p. Cap Start 2850r.p.m.
13	40277	Spacer
	09005	O Ring (¾" Clapet)
	12077	1"O.D.x½" I.D.x20swg SS Washer
	12092	¼" Spring Washer
	40275	Bronze Impeller

When ordering spare parts please use code number.

Operating instructions for
UNI 2 H.P. & 3 H.P. CENTRIFUGAL PUMPS

GENERAL:
Do not run this pump dry or damage may result to the mechanical seal.

INSTALLATION:
Maximum suction lift is 15ft. vertically. Due allowance must be made for loss of suction head due to length of horizontal portion of suction line. As an aid to priming a tee piece can be inserted in the delivery line close to the pump and fitted with a short vertical length of pipe with plug or stop cock. This is not necessary where flooded suction exists. See that all pipe joints are properly made. For a suction lift fit a good screened foot valve vertically with at least two feet of water above it if possible. A continuous fall even if slight, from pump suction to water should be maintained to avoid air pockets. Avoid the use of sharp bends, etc. Keep the suction line as short as practicable. Use the same size pipe as indicated by the threading of the suction flange. Where flooded suction exists use a check valve on the horizontal suction line.

PRIMING:
Remove priming plug in priming tee or in top of pump casing and completely fill the suction pipe and casing until all air is expelled, and water free from bubbles flows from the hole. With the pressure outfit, close off the tank delivery line before priming the pump. Of course with a flooded suction the pump will self prime, but removal of the priming plug in the casing will ensure that all air is expelled. If foot valve is tight, water level should remain steady in the casing. Replace priming plug.

STARTING:
Switch on power but stop pump promptly if water does not come in a few seconds. Pressure outfit gauge should show pressure increase after a few moments running. If no water comes check over as under "Troubles".

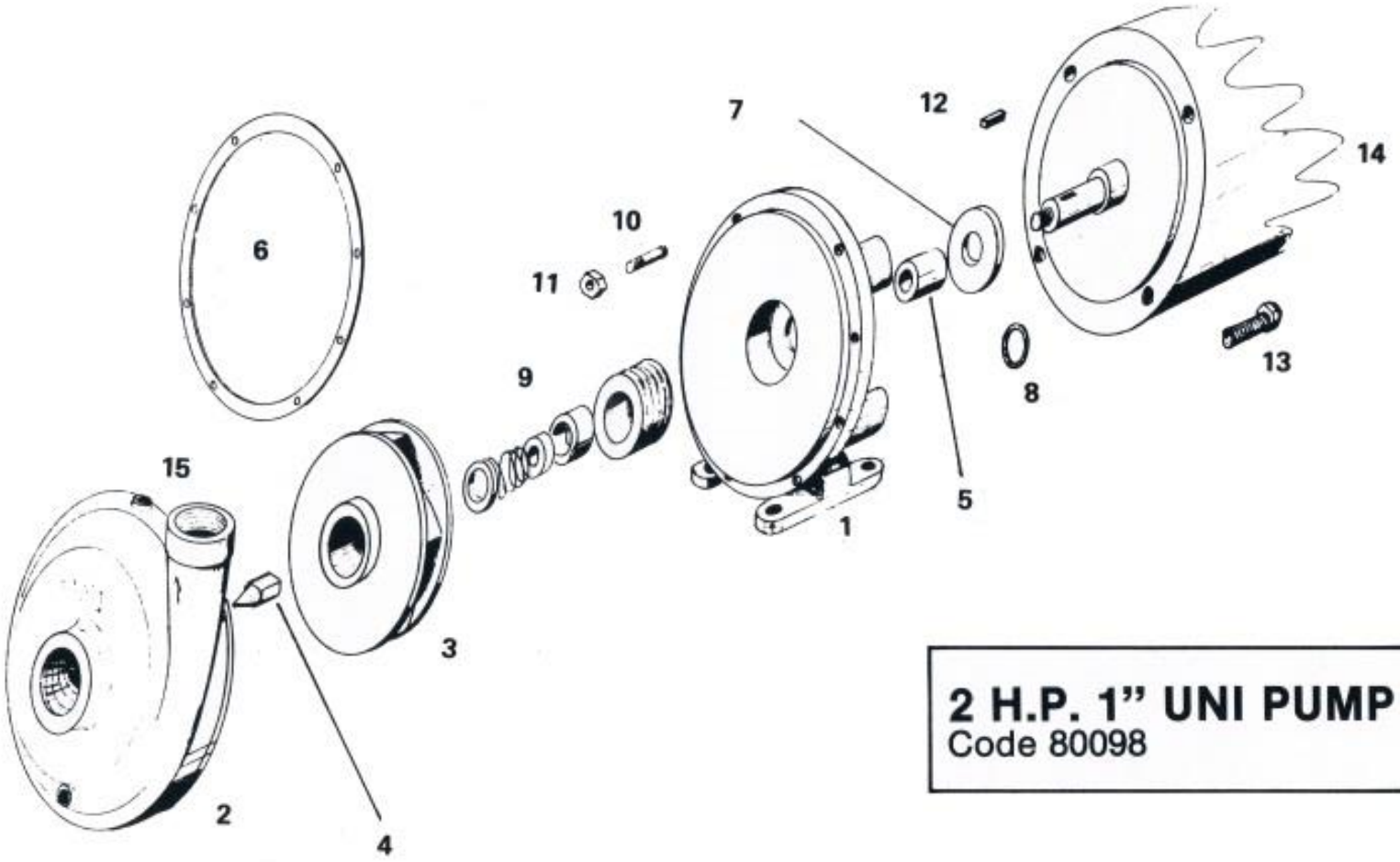
TROUBLES:
Pump fails to deliver water. Reprime, check suction lift line for leaks — check total suction lift — check direction of rotation — check for obstruction in suction line.
Pump delivers a little water then flow fails. Some air probably remains in pump, reprime — air pocket in suction line, suction lift too high, worn gland seal (after considerable service), foot valve too close to water level which may fall when pumping starts.
Fall off Capacity. Air leaks in suction line or gland, suction pipe or impeller partly obstructed, foot valve blocked.
Pump Noisy. Solid obstruction in pump case, bent shaft, rotating parts binding, worn motor or housing bearings.
Any of these defects require expert attention.

MAINTENANCE:
Keep all lines leak free. Leaking gland requires replacement, and is best done by a serviceman. Motor or bearing housing ball races are grease packed and should not require attention for some years.

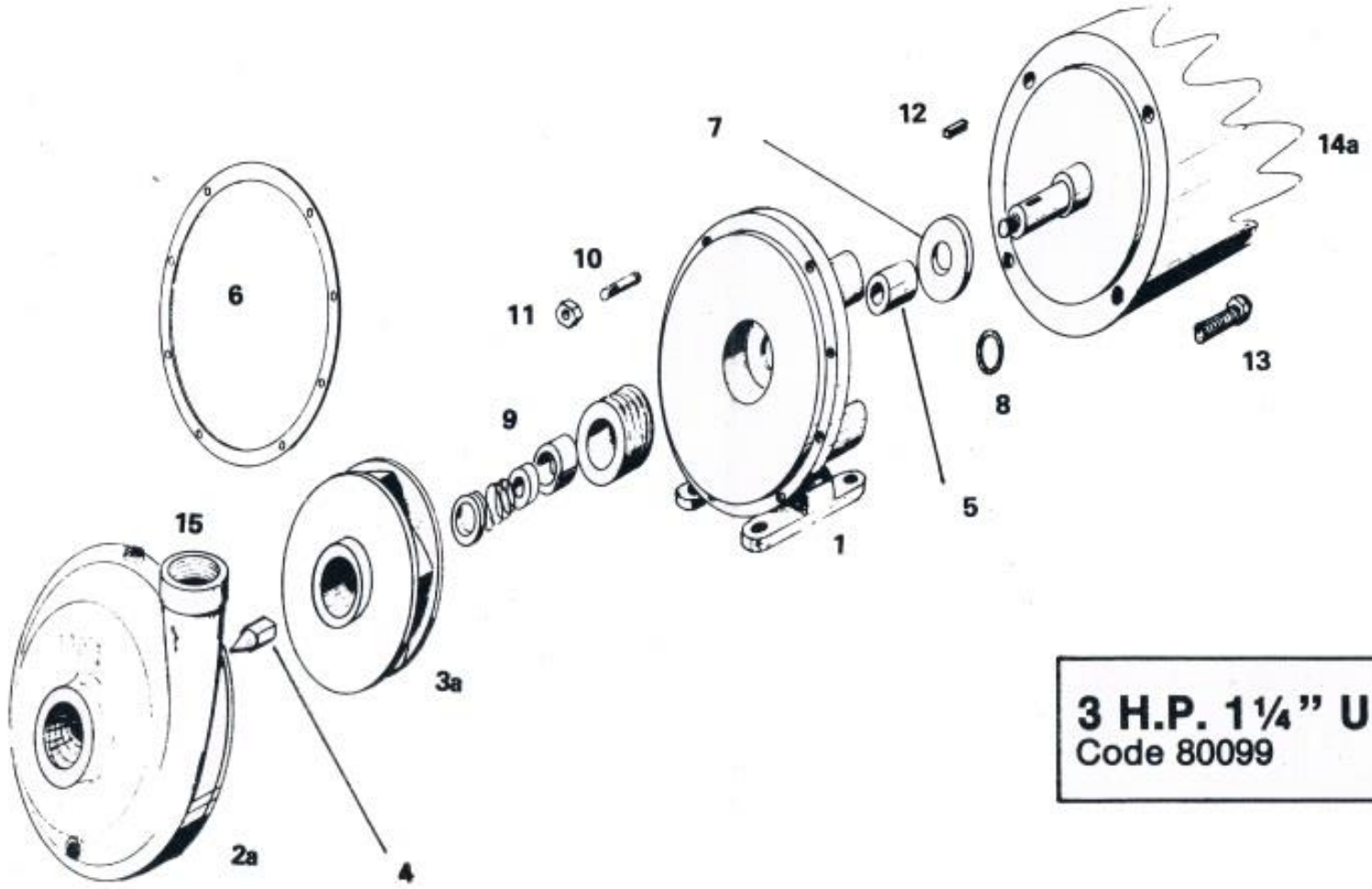
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2 H.P. 1" UNI PUMP
Code 80098



3 H.P. 1¼" UNI PUMP
Code 80099

PARTS LIST FOR WALLACE UNI SERIES CENTRIFUGAL PUMPS

2 HP 1"		3 HP 1¼"		
Plan No.	**Code No.**	**Plan No.**	**Code No.**	**DESCRIPTION**
1	40502	1	40502	FRAME
2	40279	2a	40283	COVER
3	40280	3a	40500	IMPELLER
4	40281	4	40281	IMPELLER NUT
5	40282	5	40282	BRASS SPACER
6	13045	6	13045	GASKET
7	14043	7	14043	WATER SLINGER
8	9012	8	9012	O-RING
9	14039-14040	9	14039-14040	SEAL
10	11012	10	11012	STUD
11	11021	11	11021	NUT
12	14114	12	14114	KEY
13	10012	13	10012	SETSCREW
14	7004	14a	7003	MOTOR
15	14111	15	11411	PLUG 1/8" B.S.P.

When ordering spare parts please quote Code No. as listed above. F.O.R. Penrose

Operating instructions for
UNI CENTRIFUGAL PUMP 5.5 H.P.

GENERAL:

Do not run this pump dry or damage may result to the mechanical seal.

INSTALLATION:

Maximum suction lift is 15 ft. vertically. Due allowance must be made for loss of suction head due to length of horizontal portion of suction line. As an aid to priming a tee piece can be inserted in the delivery line close to the pump and fitted with a short vertical length of pipe with plug or stop cock. This is not necessary where flooded suction exists. See that all pipe joints are properly made. For a suction lift fit a good screened foot valve vertically with at least two feet of water above it if possible. A continuous fall even if slight, from pump suction to water should be maintained to avoid air pockets. Avoid the use of sharp bends, etc. Keep the suction line as short as practicable. Use the same size pipe as indicated by the threading of the suction flange. Where flooded suction exists use a check valve on the horizontal suction line.

PRIMING:

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STARTING:

Switch on power but stop pump promptly if water does not come in a few seconds. Pressure outfit gauge should show pressure increase after a few moments running. If no water comes check over as under "Troubles".

TROUBLES:

Pump fails to deliver water. Reprime, check suction lift line for leaks — check total suction lift — check direction of rotation —check for obstruction in suction line.

Pump delivers a little water then flow fails. Some air probably remains in pump, reprime —air pocket in suction line, suction lift too high, worn gland seal (after considerable service), foot valve too close to water level which may fall when pumping starts.

Fall off Capacity. Air leaks in suction line or gland, suction pipe or impeller partly obstructed, foot valve blocked.

Pump Noisy. Solid obstruction in pump case, bent shaft, rotating parts binding, worn motor or housing bearings.

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MAINTENANCE:

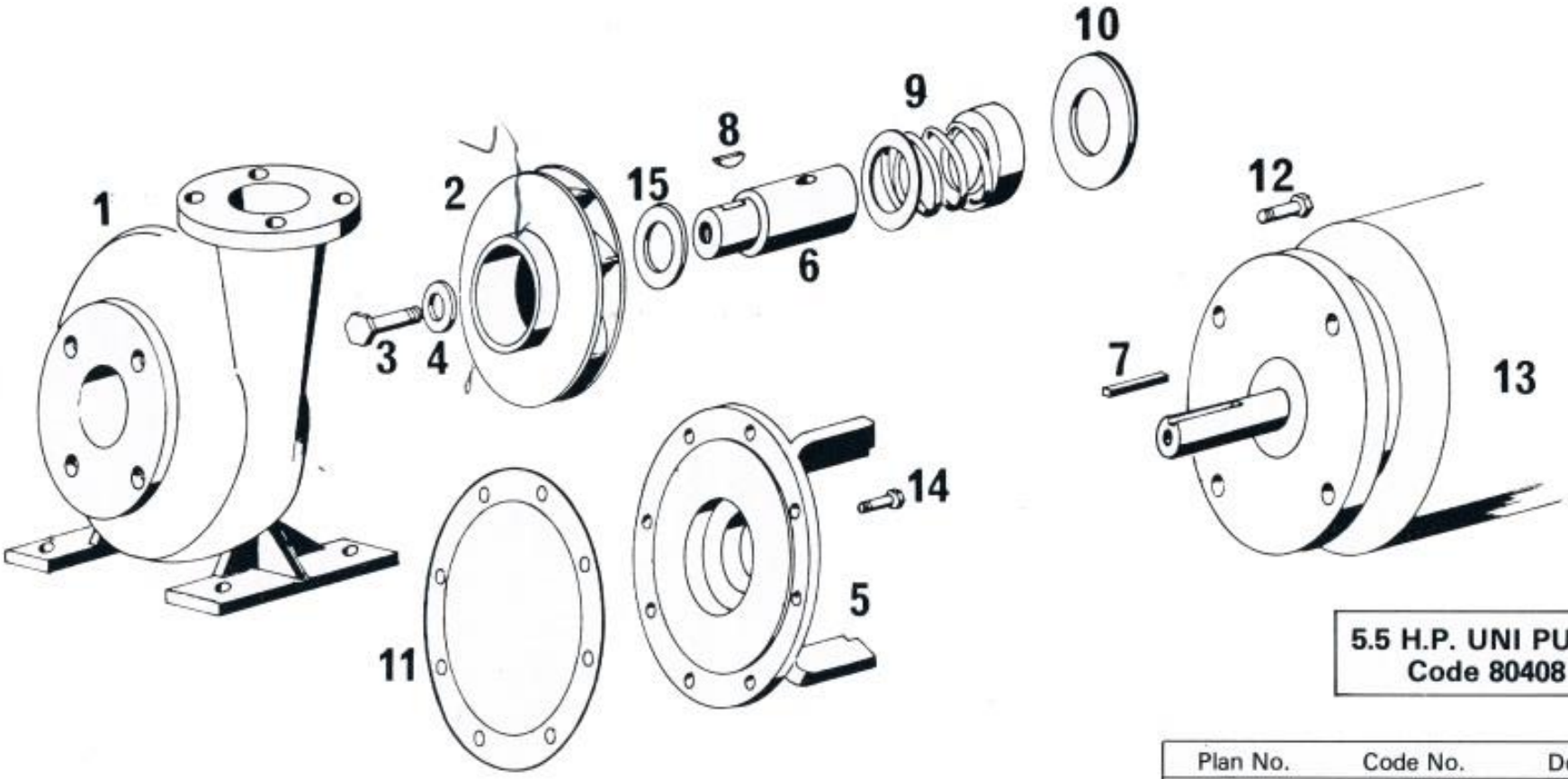
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5.5 H.P. UNI PUMP
Code 80408

Plan No.	Code No.	Description
1	41981	Casing
2	41990	Impeller
3	14995	Impeller Screw
4	41993	Impeller Washer
5	41991	Motor Adaptor
6	41992	Shaft Sleeve
7	04114	Shaft Sleeve Key
9	14996	Seal
10	14997	Water Slinger
11	14992	Gasket
12	10017	Adaptor Screw
13	07005	Motor
14	10037	Motor Set Screw
15	41993	Washer

When ordering spare parts please use Code No.