

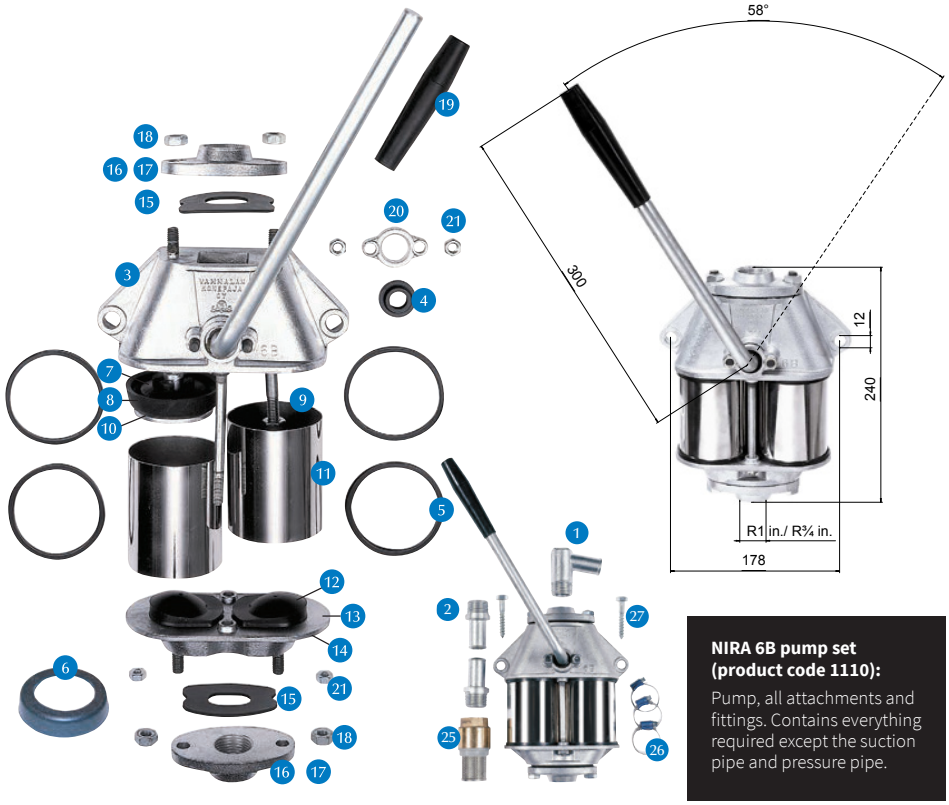
NIRA 6B

Water and Oil Pump

A mostly corrosion-resistant hand pump suitable for pumping liquids such as domestic water, oil and glycol. When fitted with Viton seals it can also be used for pumping petrol.

- Maximum pumping capacity around 40 litres/minute
- Sucton lid 4 m, or 8 m with a bottom valve
- Flange internal thread either ¾" or 1" (state when ordering)
- Withstands momentary pressure of approx. 3 bar
- Weight 3.3 kg

Supplied in an industrial or consumer pack, also as a pump set: product code 1110.



NIRA 6B pump set (product code 1110):
Pump, all attachments and fittings. Contains everything required except the suction pipe and pressure pipe.

List of parts

1 **Elbow fitting** KL1801
2 **Fitting** SL1801
3 **Body complete** P601
4 **Shaft Seal** R603
5 **Cylinder seal** R604
6 **Plunger seal** R56 (-89 and before)
7 **Plunger seal** R606 (after 1989)
8 **Plunger body** P61803 (after 1989)
9 **Washer** R230102
10 **Plunger complete** P607 (-89 and before P605)
11 **Cylinder pipe** P608
12 **Bottom valve** R609
13 **Bottom valve body with valves** P610
14 **Bottom valve body without valves** P61805
15 **Gasket for flange** R611
16 **Flange ¾"** P61807
17 **Flange 1"** P61806
18 **Nut M10** R22610
19 **Handle rubber grip** R619
20 **Seal collar** P61802
21 **Nut M 8** R2268
22 **Nitrile seal set** R6B1
(-89 and before R6B. More info www.nira.fi)
23 **Viton seal set** R6BV
24 **Connecting-pipe R 2" / R 1" for barrel use** P8411
25 **Non return valve 1"** 2001
26 **Hose clamps** R2621928
27 **Mounting screw** R2241060

NOTE:

If the pump is attached to a tank, ensure that the tank cannot empty itself (the siphon effect).

The pump must not be fitted to a system where it is continuously under pressure. If you use the pump to pump water and there is a risk of freezing, be sure to drain all water from the pump after use.
The same pump must not be used to pump both water and oil.

If you require the pump to be supplied with the handle fitted facing down, please mention this when ordering. A down-facing handle is useful in some applications, for example with large tanks.

Comprehensive spare parts service

Nira pumps are made to last. Properly maintained they have a service life of decades. Our comprehensive range of spare parts includes parts for current and older pumps.

Find out more about spare parts at nirapumps.com/spare-parts

Nira applicability chart for most common liquid

	Nira 9 Nira 6B NIra 2	Nira 6B Nira 2	Nira 6B Universal Nira 2	Nira 6B Nira 2
Seal/gasket material	**Nitrile**	**Viton**	**UNIVERSAL**	**EPDM**
LIQUID TO BE TRANSFERRED				
Water	1	1	3*	1
Diesel	1	1	1	3
BioDiesel (e.g. NExBTL) (Methyl esters max 7 vol-%)	1	1	1	3
Lubricating oil	1	1	1	3
Hydraulic oil	1	1	1	3
Petrol, also E10 (etanol 10 %)	3	1	1	3
Ethanol**	2	2	2	2
Ethylene**	2	2	3	3
Acetone**	3	3	3	2
Heat-exchange liquid (Glycol)	1	1	1	1
Thinner and xylene**	3	2	3	3
Turpentine**	2	2	2	3
Engine cleaner**	3	2	3	3

Seal/gasket material	Frost resistance:	Applications
NITRILE	down to -15 °C (5 °F)	Water, Diesel oil, lubricating and hydraulic oil, glycol
VITON	down to -5 °C (23 °F)	Petrol 95E and 98E (vehicles, small engine; e.g. lawn mowers, snowblowers, chain saws etc.), turpentine, thinner and engine cleaner)
Nira 6B Universal	down to -40 °C (-40 °F)	Diesel oil, lubricating and hydraulic oil
EPDM	down to -40 °C (-40 °F)	Heat transfer fluid (glycol), suitable for geothermal applications. Acetone. Not applicable with any type of oil.

1 = Good
2 = Tolerable
3 = Not to be used

***** UNIVERSAL-seal/gasket material contains toxic substance, therefore ECO NOT to be used for any potable liquid.
****** Corrosive substances; steel, stainless steel and siluminum in a structure of the pump might get corroded.

Extensive recommendation of material applicability can not be disclosed, it can be defined through testing only.

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