



## NIRA 6B ARCTIC

Lubricant and Fuel Oil Pump, Freeze-Proof to -45 °C

A mostly corrosion-resistant hand pump.

- Maximum pumping capacity around 40 litres/minute
- Suction lift 4 m, 8 m when fitted with a fitted bottom valve
- Flange internal thread either 3/4" or 1" (state when ordering)
- Maximum momentary pressure around 3 bar
- Weight 3.3 kg

Supplied in an industrial or consumer pack.



### List of Parts

- 3 Body complete P601
- 4 Shaft Seal R603Eco
- 5 Cylinder seal R604Eco
- 6 Plunger seal R56Eco (-89 and before)
- 7 Plunger seal R606 (not applicable)
- 8 Plunger body P61803V
- 9 Washer R230102
- 10 Plunger complete P605Eco
- 11 Cylinder pipe P608
- 12 Bottom valve R609Eco
- 13 Bottom valve body with valves P610Eco
- 14 Bottom valve body without valves P61805
- 15 Gasget for flange R611
- 16 Flange 3/4" P61807
- 17 Flange 1" P61806
- 18 Nut M10 R22610
- 19 Handle rubber grip R619
- 20 Seal collar P61802
- 21 Nut M 8 R2268
- 22 Arctic seal set R6BEco (more info [www.nira.fi](http://www.nira.fi))

#### 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 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 [www.nira.fi](http://www.nira.fi)

#### Nira Pumps Oy

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## Nira applicability chart for most common liquid

	Nira 9 Nira 6B Nira 2	Nira 9 Nira 6B Nira 2	Nira 6B Arctic	Nira 9 Nira 6B Nira 2
Seal/gasket material	Nitrile	Viton	ECO	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	3	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	Temperature	Applications
NITRILE	max -15 ° C	Water, Diesel oil, lubricating and hydraulic oil, glycol
VITON	max -5 ° C	Petrol 95E ja 98E (vehicles, small engine; e.g. lawn mowers, snowblowers, chain saws etc.), turpentine, thinner and engine cleaner)
ECO, only Nira 6B Arctic	max -45 ° C	Diesel oil, lubricating and hydraulic oil, glycol
EPDM	max -30 ° C	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

\* ECO 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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