

ABB ROBOTS

Product Data Sheet

3HNP02954-1

industrial gear pump

FUNCTION industrial gear pump	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.40 kg
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ABB Robots 3HNP02954-1 is a industrial gear pump for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Operating Temperature	Typically -10°C to +90°C
Storage Temperature	-40°C to +100°C
Exact Article Code	3HNP02954-1
Product Family	ABB Robots
Component Type	Industrial Gear Pump
Assembly Class	ABB PCB assembly
System Interface	ABB Robots control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board

ADDITIONAL PRODUCT DATA

Signal Domain	Control and diagnostic signals
Service Position	Documented rack slot
Configuration Basis	Installed ABB hardware list
Replacement Basis	Exact article and board revision
Protective Check	ESD and protective-earth control

OFFICIAL APPLICATIONS

- Route machine-tool automation with Industrial Ar: In the automation chain for the spindles, axes and tool changers, 3HNP02954-1 serves its documented function as a industrial ar pump. During cycle start, the system uses this function to coordinate the equipment states required by the active cycle, helping it complete the machining step with traceable status.
- Integrate pallet transfer during blocked-zone recovery: Within the turntables, lifts and shuttle cars, 3HNP02954-1 supports the configured automation role as a industrial ar pump. During blocked-zone recovery, the system uses this function to re-establish the transfer path after the obstruction clears, helping it resume flow without losing tracking data.
- Control raw-water pumping with Industrial Ar process control: As part of the intake pumps and wet wells, 3HNP02954-1 supports the configured automation role as a industrial ar pump. During peak-flow demand, the system uses this function to coordinate pump duty and level response, helping it maintain hydraulic continuity.

SYSTEM COMPATIBILITY

Match 3HNP02954-1 to the installed ABB Robots, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Robots documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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