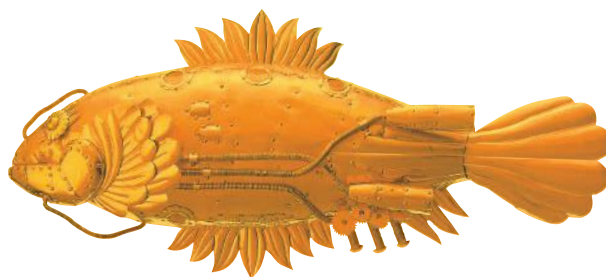


# Shodex™



## HPLC Columns

### MANUAL

### RSpak NN-614

**SHOWA**  
**DENKO**  
EUROPE

Columns manufactured by Showa Denko K.K Japan  
Made in Japan

**Shodex HPLC Columns**  
Europe, Middle East, Africa, Russia

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# Operation Manual

## Shodex™ RSpak™ NN-614

(Please read this manual carefully before using the column to ensure performance and life.)

### 1. Introduction

RSpak NN-614 is a high-performance HPLC column of which separation mode is a mixed mode of mainly partition and adsorption mode and partly cation exchange mode.

The column is suited for the separation of watersoluble substances such as nucleotides, nucleosides, nucleobases, watersoluble vitamins and amino acids.

### 2. Specifications

Packing material:	Polyhydroxy methacrylate gel with a small amount of cation exchange group. (Ion exchange capacity: 100 $\mu$ eq/g)
Column size:	6mm $\varnothing$ x 150mm.
Theoretical plates:	4000 minimum (0.01% Uracil, 10 $\mu$ l).
Solvent packed:	0.1M NaH <sub>2</sub> PO <sub>4</sub> , pH 3.0 adjusted by phosphoric acid.
Endfitting:	Internally-threaded type, No. 10-32 UNF.
Column material:	SUS 316.
Max. flow rate:	1.0 ml/min.
Max. pressure:	15 kg/cm <sup>2</sup> .
Max. temperature:	50 °C.

- Regarding other analytical conditions, please refer to the Shodex operation manual for RSpak NN-814.