

# Guard Cartridge Column for High pressure

## Instruction Manual

### 1. Precautions for Column

- This guard cartridge column is packed with packing materials of various functional groups.
- Please use this guard cartridge column with the same packing material as analytical column.
- When using this guard cartridge column, insert it into the cartridge holder we supply. This cartridge holder can be used for both conventional and high pressure cartridge column.
- The cartridge holder can be tightened fully by hand. If necessary, a wrench can be used. Please note that the cartridge holder may be damaged when tightened excessively.
- Install this guard cartridge with the holder according to the direction of the arrow.
- It is recommended to use this guard cartridge up to 40 MPa. (Maximum allowable pressure is 50 MPa.)
- Please read instruction manual of the analytical column before use.
- Early replacement of the cartridge column is recommended to prevent contamination of analytical column.
- Please be aware that specifications are subject to change without prior notification.

Columns are shipped under highly controlled conditions. However, if you should find any defect, please contact your dealer or Shinwa. Note that Shinwa does not warrant the product against column life or deterioration caused by the failure to follow the above instructions.



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