

# Instruction manual

## UV Resistant Drain Hose DHQ Accessories for Drain hose

January 31, 2020

Inaba Denki Sangyo. Co., Ltd.

Research & development division

### 1. To Customers

- Be sure to ask a specialist for installation.

### 2. To Contractors

- Before installation, read this manual thoroughly to ensure correct use.
- Drain hose accessories can be used only with Inaba Denko Drain hose DH or DHQ.  
Be noted that using with other brand drain hoses shall be out of our warranty.

### 3. Read at the beginning. (for proper and safely use)

**This product is Drain hose and its accessories exclusively for air conditioners.**

**Do not use for other applications.**

#### Caution

**Failure to comply with the following could lead to material damage.**

- Drain hose accessories and the connection between drain hoses may cause water leakage due to their construction. Be sure to use outdoors.
- Use under bending R for 80 or more. Excessive bending may cause stress-cracking.
- Make sure to secure a water gradient to prevent the hose from slacking.  
In case of long horizontal run, it is recommended to use PVC pipes instead of drain hoses.
- Drain Hose Coupler (DHJ), Vented Drain Wye (DY), and Drain Hose Adapter (NDA/NDH) may cause water leakage due to their structure. Be sure to use them outdoors.

#### <NOTE>

- Drain Hose (DHQ)
  - Under severe weather conditions, it may be necessary to protect DHQ by such as covering by lineset cover SLIMDUCT.
  - Inner black layer may appear after long-term use, but this does not affect product use.
  - Although flame retardant material are used, when it is used as a exposed single run, there is no self-extinguishment because the flow of air on the surface and the interior of DHQ is intensified due to burning and oxygen is supplied.  
Self-extinguishment can be confirmed only when DSH is inside our lineset cover SLIMDUCT SD or PD.
- Insulation for Drain Hose (PMD)
  - Drain hose shall be inserted into PMD first because PMD doesn't have slits.
  - Secure the connection with drain hose of AC unit by adhesive tape, etc.

- Drain hose Coupler (DHJ)

- Securely insert Drain hose into DHJ all the way so that they are securely engaged, and fix them with adhesive tape or else so they do not come off.
- Take weatherproof measures such as wrapping tape.

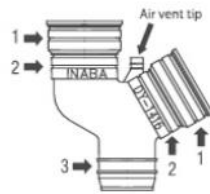
- Bug Stopper (DC)

- Mount DC in the bellows of Drain hose.
- Clean Drain hose regularly to prevent being clogging.



- Vented Drain Wye (DY)

- Securely insert Drain hose into DY all the way so that they are securely engaged, and fix them with adhesive tape or else so they do not come off.



1. Fit in bellows of DH-16/DHQ-16
2. Fit in bellows of DH-14/DHQ-14
3. Fit in female part of DH-14/16 and DHQ-14/16

- If air is accumulated in Drain hose and cannot be drained correctly, cut the air vent tip.
- Take weatherproof measures such as wrapping tape.

- Drain Hose Adaptor (NDA)

NOTE: NDA can be used only with JIS Standard PVC pipe fittings. (JIS=Japanese Industrial Standard)

- Use in combination with PVC pipe fitting.
- Use under the condition that Drain hose is on the upper side and PVC fittings is on the lower side.
- Use PVC cement to connect PVC pipe to make sure that they are securely glued.
- Do not use organic solvents such as alcohol when cleaning. That may cause color change and cracking on NDA.

- Drain Hose Adapter (NDH)

NOTE: NDH can be used only with JIS Standard PVC pipe fittings. (JIS=Japanese Industrial Standard)

- Use in combination with PVC pipe fittings.
- Use under the condition that Drain hose is on the upper side and PVC fittings is on the lower side.
- Drain hoses should be penetrated into NDH, and NDH and PVC fittings should be securely glued with PVC cement.

## 4. Product Specifications

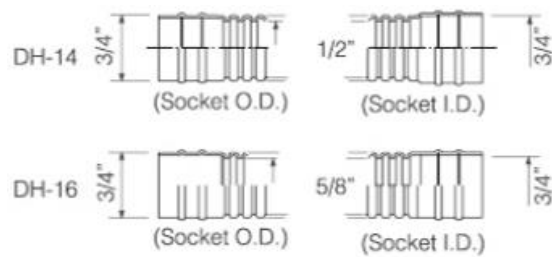
### 4-1. Drain hose DHQ

Table 1 shows the product specifications of Drain hose DHQ.

Table 1 Item No. and dimensions of Drain hose DHQ

Item No.	Inner diameter (mm)	Overall length (m)	Hose outer diameter (mm)	Max. outside diameter (mm)	Cuff spacing (mm)
DHQ-14-l	13.5 ( $\approx 1/2''$ )	50 ( $\approx 164'$ )	18.3 ( $\approx 3/4''$ )	22 ( $\approx 7/8''$ )	500 ( $\approx 19 3/4''$ )
DHQ-16-l	16.0 ( $\approx 5/8''$ )	50 ( $\approx 164'$ )	20.8 ( $\approx 7/8''$ )	22 ( $\approx 7/8''$ )	500 ( $\approx 19 3/4''$ )

Material: LLDPE, Color: Ivory



#### 4-2. Accessories for Drain hose

Table 2 shows the specifications of Drain hose accessories.

Note: Drain hose accessories in below table can be used only with Inaba Denko Drain Hose (DH, DHQ).  
Drain hose accessories in below table are not UV resistant.

Table 2

Product name	Item No.	Applications	Appearance	Applicable hose	Material and color
Insulation for Drain hose	PMD	Insulation for Drain hose		DH-14 DHQ-14 DH-16 DHQ-16	Material: Foam PE Color: Ivory
Drain Hose Coupler	DHJ-14	Connects cut length drain hose.		DH-14 DHQ-14	Material :PE Color: Ivory
	DHJ-16			DH-16 DHQ-16	
Vented Drain Wye	DY-1416 DY-1416L	Connects two drain hoses.		DH-14 DHQ-14 DH-16 DHQ-16	Material :PE
Drain Hose Adapter	NDA-1416	Connects drain hose to PVC pipe fittings.		DH-14 DHQ-14 DH-16 DHQ-16	Material: Acrylate Color: Clear
	NDH-1416S	* Use only with JIS Standard PVC pipe fittings.			Material: PVC Color: Ivory
Saddle	DS-14-I	Fixes drain hose.		DH-14 DHQ-14	Material :PP Color: Ivory
	DS-16-I			DH-16 DHQ-16	
Bug Stopper	DC-1416	Prevent bugs from coming to inside rooms.		DH-14 DHQ-14 DH-16 DHQ-16	Material :PP Color: Ivory