



## FS

### CONNECTING HOSES FOR THE WATER-SIDE CONNECTION OF AIR-WATER SYSTEMS AND DECENTRALISED VENTILATION UNITS

Plastic hose with oxygen diffusion barrier, stainless steel overbraid,  
available with various end pieces to fit different requirements

- Can be used for water or water glycol mixtures
- Detachable push-fit couplings are supplied with a red O-ring seal
- Various G $\frac{1}{2}$ " or G $\frac{3}{4}$ " threads
- Connecting piece either straight or 90°
- Nominal length: 500, 750, 1000 mm
- Other lengths upon request

#### Optional equipment and accessories

- Push-fit coupling for Ø12 mm Cu pipe, either straight or 90°
- Connecting piece with G $\frac{1}{2}$ " external thread and flat seal, either straight or 90°
- Connecting piece with G $\frac{1}{2}$ " union nut and flat seal, either straight or

90°

## Application



### Application

- Flexible water-side connection between the pipework (heating and/or cooling) and the heat exchangers of air-water systems
- With connecting hoses it is possible to remove or swivel out heat exchangers for cleaning and maintenance without having to empty the system
- Connecting hoses are suitable for all air-water systems, chilled ceilings, chilled beams, induction units and façade ventilation units

### Special characteristics

- With oxygen diffusion barrier
- Various push-fit and screw-on connecting pieces

## Description



### Variants

- The PE hoses with oxygen diffusion barrier and with stainless steel overbraid are available with DN 10 and DN 13

### Construction

- The various couplers can be combined as needed
- Ø10 mm push-fit couplings are available for DN 10 hoses only

### Construction features

### Connection variants

- Push-fit coupling, straight
- Push-fit coupling, 90°
- G½" external thread with flat seal
- G½" union nut with flat seal
- 90° connection with G½" union nut and flat seal

### Materials and surfaces

- The hoses are a crosslinked thermoplastic elastomer (TPE) with a stainless steel overbraid
- The end pieces are made of brass, rubber, stainless steel and/or plastic, depending on the type of coupling
- All materials are free of halogens, PVC or silicone

## INFORMATION TECHNIQUE

### Functional description

Connecting hoses of Type FS allow for the flexible connection of heat exchangers in air-water systems to the pipework. This facilitates installation and, even more so, maintenance. The heat exchangers of many products can be removed or swivelled out (for cleaning) if connected with flexible hoses.

Lengths	500, 750, 1000 mm
Nominal width	10, 13 mm (to fit Ø10 mm or Ø12 mm Cu pipes)
Maximum operating pressure	6 bar
Application temperature	-20 to 55 °C

Connecting hoses with oxygen diffusion barrier enable a simple, quick water-side connection between our components and the on-site pipe system.

Special characteristics

- With oxygen diffusion barrier
- Various push-fit and screw-on connecting pieces

Materials and surfaces

- The hoses are a crosslinked thermoplastic elastomer (TPE) with a stainless steel overbraid
- The end pieces are made of brass, rubber, stainless steel and/or plastic, depending on the type of coupling
- All materials are free of halogens, PVC or silicone

Construction

- The various couplers can be combined as needed
- Ø10 mm push-fit couplings are available for DN 10 hoses only

Technical data

- Length: 500, 750, 1000 mm
- Nominal length: 10 and 13 mm, to fit Ø10 mm or Ø12 mm Cu pipes
- Max. operating pressure: 6 bar
- Application temperature: -20 °C to +55 °C

FS



<b>1 Accessories</b>	<b>4 Connection type 2</b>
<b>FS</b> Connecting hoses	
<b>2 Nominal size [mm]</b>	<b>5 Nominal size [mm]</b>
10	500
13	750
	1000
<b>3 Connection type 1</b>	
<b>SG10</b> Push-fit coupling, straight, Ø10 mm (NW 10 only)	
<b>SG12</b> Push-fit coupling, straight, Ø12 mm (NW 10 only)	
<b>SW10</b> Push-fit coupling, 90°, Ø10 mm (NW 10 only)	
<b>SW12</b> Push-fit coupling, 90°, Ø12 mm	
<b>A1/2</b> G½" external thread with flat seal	
<b>U1/2</b> G½" union nut with flat seal	
<b>UW1/290°</b> , G½" union nut with flat seal	