

# Pipe connections for heating and cooling coils

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## Envistar Top

### Air heater, water (ATEV)

Air heating coil for hot water.

Pipe connection with **compression fitting**.

Size	Capacity variant		
	01	02	03
100	CU-15 mm	CU-15 mm	CU-15 mm
150	CU-15 mm	CU-15 mm	CU-15 mm
180	CU-15 mm	CU-15 mm	CU-22 mm
240	CU-15 mm	CU-15 mm	CU-22 mm
300	CU-15 mm	CU-22 mm	CU-22 mm
360	CU-22 mm	CU-22 mm	CU-22 mm

### Air heater, water type Thermoguard (ATTV)

Air heating coil for hot water with freeze damage protection function.

Pipe connection with **compression fitting**.

Size	Capacity variant	
	01	02
04-12	CU-15 mm	CU-15 mm
16-21	CU-15 mm	CU-22 mm

## Envistar Compact

### Air heater, water (ECET-VV)

Air heating coil for hot water.

**Threaded** pipe connection.

Size	Capacity variant		
	01	02	03
04	CU-DN15	CU-DN15	CU-DN15
06	CU-DN15	CU-DN15	CU-DN15
10	CU-DN15	CU-DN15	CU-DN20
16	CU-DN15	CU-DN20	CU-DN20

*DN15 = R 1/2"*

*DN20 = R 3/4"*

### Air heater, water type Thermoguard (ECET-TV)

Air heating coil for hot water with freeze damage protection function.

**Threaded** pipe connection.

Size	Capacity variant	
	01	02
04-16	CU-DN20	CU-DN20

*DN20 = R 3/4"*

**Air cooler, DX, direct expansion (ECET-DX)**

Direct expansion air cooling coil.

**Soldered** pipe connection.

**Threaded** connection of drainage pipes.

Size	1 step in/out	2 step in/out	Drain conn.
04	CU-12/16 mm	CU-12/16 mm	DN15
06	CU-12/16 mm	CU-12/16 mm	DN25
10	CU-12/16 mm	CU-12/16 mm	DN25
16	CU-22/28 mm	CU-16/22 mm	DN25

DN15 = R 1/2"

DN25 = R 1"

**Air cooler, water (ECET-VK)**

Air cooling coil for cold water.

**Threaded** pipe connection.

**Threaded** connection of drainage pipes.

Size	Capacity variant		Drain conn.
	03	04	
04	CU-DN15	CU-DN15	DN15
06	CU-DN15	CU-DN15	DN25
10	CU-DN20	CU-DN20	DN25
16	CU-DN20	CU-DN25	DN25

DN15 = R 1/2"

DN25 = R 1"

## Envistar Flex - airduct coils

### Air heater, water (ESET-VV)

Air heating coil for hot water. **Threaded** pipe connection.

Size	Capacity variant	
	01	02
100	CU-DN20	CU-DN20
150	CU-DN20	CU-DN25
190	CU-DN20	CU-DN25
240	CU-DN20	CU-DN25
300	CU-DN25	CU-DN25
360	CU-DN25	CU-DN25

DN20 = R 3/4"  
DN25 = R 1"

### Air cooler, water (ESET-VK)

Air cooling coil for cold water.  
**Threaded** pipe connection.  
**Threaded** connection of drainage pipes.

Size	Capacity variant		Drain conn.
	03	04	
100	CU-DN20	CU-DN20	DN25
150	CU-DN25	CU-DN25	DN25
190	CU-DN32	CU-DN25	DN25
240	CU-DN25	CU-DN32	DN25
300	CU-DN32	CU-DN32	DN25
360	CU-DN32	CU-DN32	DN25

DN25 = R 1"

### Air heater, water type Thermoguard (ESET-TV)

Air heating coil for hot water with freeze damage protection function.  
**Threaded** pipe connection.

Size	Capacity variant	
	01	02
100	CU-DN15	CU-DN15
150	CU-DN15	CU-DN20
190	CU-DN15	CU-DN25
240	CU-DN20	CU-DN25
300	CU-DN20	CU-DN32
360	CU-DN25	CU-DN32

DN15 = R 1/2"  
DN20 = R 3/4"  
DN25 = R 1"  
DN32 = R 1 1/4"

## Envistar Flex & Flexomix, MIE-CL - coils in the unit

### Air heater, water (ELEV)

Air heating coil for hot water.

**Threaded** pipe connection.

Size	Capacity variant				
	00	01	02	03	04
060	CU-DN15	CU-DN15	CU-DN25	CU-DN25	CU-DN25
100	CU-DN15	CU-DN15	CU-DN25	CU-DN25	CU-DN25
150	CU-DN25	CU-DN25	CU-DN25	FE-DN32	FE-DN32
190	CU-DN25	CU-DN25	CU-DN25	FE-DN32	FE-DN32
240	CU-DN25	CU-DN25	CU-DN25	FE-DN32	FE-DN32
300	CU-DN25	CU-DN25	FE-DN32	FE-DN50	FE-DN32
360	CU-DN25	CU-DN25	FE-DN32	FE-DN50	FE-DN50
480	CU-DN25	FE-DN32	FE-DN32	FE-DN50	FE-DN50
600	CU-DN25	CU-DN25	FE-DN50	FE-DN50	FE-DN50
740	FE-DN32	FE-DN32	FE-DN50	FE-DN50	FE-DN80
750	CU-DN25	FE-DN32	FE-DN50	FE-DN50	FE-DN80
850	FE-DN32	FE-DN32	FE-DN50	FE-DN50	FE-DN80
950	CU-DN25	FE-DN32	FE-DN50	FE-DN80	FE-DN80
980	FE-DN32	FE-DN32	FE-DN50	FE-DN80	FE-DN80
1150	FE-DN50	FE-DN32	FE-DN50	FE-DN80	FE-DN80
1250	FE-DN50	FE-DN50	FE-DN80	FE-DN80	FE-DN80
1540	FE-DN50	FE-DN32	FE-DN50	FE-DN80	FE-DN80
1550	FE-DN50	FE-DN50	FE-DN80	FE-DN80	FE-DN80
1950	FE-DN50	FE-DN50	FE-DN80	FE-DN80	FE-DN2x80
2050	FE-DN50	FE-DN50	FE-DN80	FE-DN80	FE-DN80
2240	FE-DN50	FE-DN32	FE-DN80	FE-DN80	FE-DN80
2550	FE-DN50	FE-DN50	FE-DN2x80	FE-DN80	FE-DN2x80
3150	FE-DN50	FE-DN50	FE-DN2x80	FE-DN2x80	FE-DN2x80

## Air heater, water type Thermoguard (ELTV)

Air heating coil for hot water with freeze damage protection function.

**Threaded** pipe connection.

Size	Capacity variant			
	00	01	02	03
060	FE-DN20	FE-DN20	FE-DN20	FE-DN20
100	FE-DN20	FE-DN20	FE-DN20	FE-DN20
150	FE-DN20	FE-DN20	FE-DN20	FE-DN25
190	FE-DN20	FE-DN20	FE-DN20	FE-DN32
240	FE-DN20	FE-DN20	FE-DN25	FE-DN32
300	FE-DN20	FE-DN20	FE-DN25	FE-DN40
360	FE-DN32	FE-DN20	FE-DN32	FE-DN50
480	FE-DN32	FE-DN25	FE-DN40	FE-DN50
600	FE-DN32	FE-DN25	FE-DN40	FE-DN65
740	FE-DN32	FE-DN50	FE-DN65	FE-DN80
750	FE-DN65	FE-DN32	FE-DN40	FE-DN65
850	FE-DN40	FE-DN40	FE-DN50	FE-DN65
950	FE-DN50	FE-DN40	FE-DN50	FE-DN65
980	FE-DN40	FE-DN65	FE-DN65	FE-DN65

*DN15 = R 1/2"*

*DN20 = R 3/4"*

*DN25 = R 1"*

*DN32 = R 1 1/4"*

*DN40 = R 1 1/2"*

*DN50 = R 2"*

*DN65 = R 2 1/2"*

*DN80 = R 3"*

### Air cooler, water (ELBC), short coupling

Short coupling: code 3 for sizes 060-980; code 1 for sizes 1150-3150.

Threaded pipe connection. ELBC has a **stainless drip tray** with Ø32 mm drain connection.

Size	Capacity variant				
	02	03	04	06	08
060	CU-DN25	CU-DN25	CU-DN25	CU-DN25	FE-DN32
100	CU-DN25	CU-DN25	CU-DN25	CU-DN25	FE-DN32
150	CU-DN25	CU-DN25	FE-DN32	FE-DN32	FE-DN32
190	FE-DN32	FE-DN32	FE-DN32	FE-DN50	FE-DN50
240	CU-DN25	FE-DN32	FE-DN32	FE-DN50	FE-DN50
300	FE-DN32	FE-DN50	FE-DN50	FE-DN50	FE-DN50
360	FE-DN32	FE-DN50	FE-DN50	FE-DN80	FE-DN80
480	FE-DN32	FE-DN50	FE-DN50	FE-DN80	FE-DN80
600	FE-DN50	FE-DN80	FE-DN80	FE-DN80	FE-DN80
740	FE-DN80	FE-DN80	FE-DN80	FE-DN2x80	FE-DN80
750	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN2x80
850	FE-DN80	FE-DN80	FE-DN2x80	FE-DN80	FE-DN2x80
950	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN2x80
980	FE-DN80	FE-DN80	FE-DN2x80	FE-DN80	FE-DN2x80
1150	FE-DN80	FE-DN2x80	FE-DN80	FE-DN2x80	
1250	FE-DN80	FE-DN80	FE-DN80	FE-DN80	
1540	FE-DN80	FE-DN2x80	FE-DN2x80	FE-DN2x80	
1550	FE-DN80	FE-DN2x80	FE-DN2x80	FE-DN2x80	
1950	FE-DN2x80	FE-DN2x80	FE-DN2x80	FE-DN2x80	
2050	FE-DN2x80	FE-DN2x80	FE-DN2x80	FE-DN2x80	
2240	FE-DN2x80	FE-DN2x80	FE-DN2x80	FE-DN2x80	
2550	FE-DN2x80	FE-DN2x80	FE-DN2x80	FE-DN2x80	
3150	FE-DN2x80	FE-DN2x80	FE-DN2x80	FE-DN2x80	



### Air cooler, water (ELBC), long coupling

Long coupling: code 4 for sizes 060-980; code 2 for sizes 1150-3150.

**Threaded** pipe connection. ELBC has a **stainless drip tray** with Ø32 mm drain connection.

Size	Capacity variant				
	02	03	04	06	08
060	CU-DN15	CU-DN25	CU-DN25	CU-DN25	CU-DN25
100	CU-DN25	CU-DN25	CU-DN25	CU-DN25	CU-DN25
150	CU-DN25	CU-DN25	CU-DN25	FE-DN32	FE-DN32
190	CU-DN25	FE-DN32	FE-DN32	FE-DN32	FE-DN32
240	CU-DN25	CU-DN25	CU-DN25	FE-DN32	FE-DN32
300	CU-DN25	FE-DN32	FE-DN32	FE-DN50	FE-DN50
360	FE-DN32	FE-DN32	FE-DN50	FE-DN50	FE-DN50
480	FE-DN32	FE-DN32	FE-DN50	FE-DN50	FE-DN50
600	FE-DN32	FE-DN50	FE-DN50	FE-DN50	FE-DN80
740	FE-DN50	FE-DN50	FE-DN80	FE-DN80	FE-DN80
750	FE-DN50	FE-DN50	FE-DN50	FE-DN80	FE-DN80
850	FE-DN50	FE-DN50	FE-DN80	FE-DN80	FE-DN80
950	FE-DN50	FE-DN80	FE-DN80	FE-DN80	FE-DN80
980	FE-DN50	FE-DN80	FE-DN80	FE-DN80	FE-DN80
1150	FE-DN50	FE-DN80	FE-DN80	FE-DN80	
1250	FE-DN50	FE-DN80	FE-DN80	FE-DN2x80	
1540	FE-DN50	FE-DN80	FE-DN80	FE-DN2x80	
1550	FE-DN50	FE-DN80	FE-DN80	FE-DN2x80	
1950	FE-DN80	FE-DN80	FE-DN2x80	FE-DN2x80	
2050	FE-DN50	FE-DN80	FE-DN80	FE-DN2x80	
2240	FE-DN80	FE-DN80	FE-DN2x80	FE-DN2x80	
2550	FE-DN80	FE-DN80	FE-DN2x80	FE-DN2x80	
3150	FE-DN80	FE-DN80	FE-DN2x80	FE-DN2x80	

### Heat recovery coil (ELXT/ELXF), short coupling

Circulation heat exchanger with intermediate cooling fluid.

**Threaded** pipe connection. ELXF has a **stainless drip tray** with Ø32 mm drain connection.

Size	Capacity variant				
	04	06	08	10	12
060	CU-DN25	CU-DN25	CU-DN25	CU-DN25	CU-DN25
100	CU-DN25	CU-DN25	CU-DN25	CU-DN25	CU-DN25
150	CU-DN25	CU-DN25	CU-DN25	FE-DN32	CU-DN25
190	FE-DN32	FE-DN32	FE-DN32	FE-DN32	FE-DN32
240	CU-DN25	FE-DN32	FE-DN32	FE-DN32	FE-DN32
300	CU-DN25	FE-DN32	FE-DN32	FE-DN50	FE-DN32
360	FE-DN32	FE-DN50	FE-DN50	FE-DN50	FE-DN50
480	FE-DN32	FE-DN50	FE-DN50	FE-DN50	FE-DN50
600	FE-DN50	FE-DN50	FE-DN50	FE-DN50	FE-DN50
740	FE-DN50	FE-DN50	FE-DN50	FE-DN2x80	FE-DN80
750	FE-DN50	FE-DN50	FE-DN50	FE-DN80	FE-DN50
850	FE-DN50	FE-DN50	FE-DN80	FE-DN80	FE-DN80
950	FE-DN50	FE-DN50	FE-DN80	FE-DN80	FE-DN80
980	FE-DN50	FE-DN50	FE-DN50	FE-DN80	FE-DN80
1150	FE-DN50	FE-DN50	FE-DN80	FE-DN80	FE-DN80
1250	FE-DN80	FE-DN50	FE-DN50	FE-DN50	FE-DN80
1540	FE-DN80	FE-DN50	FE-DN80	FE-DN80	FE-DN80
1550	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN80
1950	FE-DN80	FE-DN80	FE-DN80	FE-DN2x80	FE-DN2x80
2050	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN2x80
2240	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN2x80
2550	FE-DN80	FE-DN80	FE-DN2x80	FE-DN2x80	FE-DN2x80
3150	FE-DN2x80	FE-DN2x80	FE-DN2x80	FE-DN2x80	FE-DN2x80

### Heat recovery coil (ELXT/ELXF), long coupling

Circulation heat exchanger with intermediate cooling fluid.

**Threaded** pipe connection. ELXF has a **stainless drip tray** with Ø32 mm drain connection.

Size	Capacity variant				
	04	06	08	10	12
060	CU-DN25	CU-DN25	CU-DN25	CU-DN25	CU-DN25
100	CU-DN25	CU-DN25	CU-DN25	CU-DN25	CU-DN25
150	CU-DN25	CU-DN25	CU-DN25	CU-DN25	CU-DN25
190	CU-DN25	CU-DN25	CU-DN25	CU-DN25	CU-DN25
240	CU-DN25	CU-DN25	CU-DN25	CU-DN25	CU-DN25
300	CU-DN25	FE-DN32	FE-DN32	FE-DN32	CU-DN25
360	FE-DN32	FE-DN32	FE-DN32	FE-DN32	FE-DN32
480	FE-DN32	FE-DN32	FE-DN32	FE-DN32	FE-DN32
600	FE-DN50	FE-DN50	FE-DN50	FE-DN50	FE-DN50
740	FE-DN50	FE-DN50	FE-DN50	FE-DN80	FE-DN50
750	FE-DN32	FE-DN50	FE-DN50	FE-DN50	FE-DN50
850	FE-DN50	FE-DN50	FE-DN50	FE-DN50	FE-DN50
950	FE-DN50	FE-DN50	FE-DN50	FE-DN50	FE-DN50
980	FE-DN50	FE-DN50	FE-DN50	FE-DN50	FE-DN50
1150	FE-DN50	FE-DN50	FE-DN50	FE-DN80	FE-DN80
1250	FE-DN50	FE-DN50	FE-DN50	FE-DN50	FE-DN50
1540	FE-DN50	FE-DN50	FE-DN50	FE-DN50	FE-DN50
1550	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN80
1950	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN80
2050	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN80
2240	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN80
2550	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN80
3150	FE-DN80	FE-DN80	FE-DN80	FE-DN80	FE-DN80

**Air cooler, DX, direct expansion (ELBD)**

Direct expansion air cooling coil.

**Soldered** pipe connection.

ELBD has a **stainless drip tray** with Ø32 mm drain connection.

Size	Capacity variant   Pipe connections in/out, mm		
	02	03	04
060	CU-12/16	CU-16/22	CU-16/22
100	CU-16/22	CU-16/22	CU-22/28
150	CU-16/22	CU-22/28	CU-28/35
190	CU-22/28	CU-22/28	CU-28/35
240	CU-22/28	CU-22/28	CU-35/42
300	CU-28/35	CU-28/35	CU-35/42
360	CU-28/35	CU-35/42	CU-35/42
480	CU-28/35	CU-35/42	CU-35/42
600	CU-35/54	CU-35/42	2xCU-35/54
740	CU-42/54	CU-54/76	CU-54/76
750	CU-42/54	CU-54/76	CU-54/76
850	CU-35/54	2xCU-35/54	2xCU-35/54
950	CU-54/76	CU-54/76	CU-54/76
980	CU-54/76	CU-54/76	CU-54/76

**Air heater for steam (ELES)**

**Threaded** pipe connection for DN25, DN32 and DN50. Pipe connection by **welding** for DN80.

Size	Capacity variant   Pipe connections in/out	
	01	02
060	CU-DN25/CU-DN25	2xCU-DN25/CU-DN25
100	CU-DN25/CU-DN25	2xCU-DN25/CU-DN25
150	FE-DN32/CU-DN25	2xFE-DN32/CU-DN25
190	FE-DN32/CU-DN25	2xFE-DN32/CU-DN25
240	FE-DN32/CU-DN25	2xFE-DN32/CU-DN25
300	FE-DN50/CU-DN25	2xFE-DN50/CU-DN25
360	FE-DN50/CU-DN25	2xFE-DN50/CU-DN25
480	FE-DN80/CU-DN32	2xFE-DN80/CU-DN32
600	FE-DN80/CU-DN32	2xFE-DN80/CU-DN32
740	FE-DN80/CU-DN32	2xFE-DN80/CU-DN32
750	FE-DN80/CU-DN32	2xFE-DN80/CU-DN32
850	FE-DN80/CU-DN32	2xFE-DN80/CU-DN32
950	FE-DN80/CU-DN32	2xFE-DN80/CU-DN32
980	FE-DN80/CU-DN32	2xFE-DN80/CU-DN32