



Cylinders

BL*

All CAREL immersed electrode humidifiers feature sophisticated control software that automatically adapts the operating parameters to the characteristics of the water; nonetheless, the optimum balance between cylinder life, variation in steam production and speed of response depending on the type of water and power supply can only be achieved by changing the shape and the position of the electrodes. For this reason, CAREL immersed electrode humidifiers today feature the widest choice of cylinders, with specific electrodes for water with conductivity between 75 $\mu\text{S}/\text{cm}$ and 1250 $\mu\text{S}/\text{cm}$, for capacities between 1 and 65 kg/h, and for power supply voltages between 208 V and 575 V.

All humiSteam cylinders feature galvanised electrodes and are fitted with filters to avoid formation of lime scale at the bottom, consequently preventing blockage of the drain.

Openable cylinders

The new humidifiers can be fitted with "disposable" cylinders made from

non-flammable polypropylene, class HB according to UL94, or alternatively openable and therefore cleanable cylinders, made from class V0 plastic (UL94 standard).

The openable cylinders feature quick click-on closing, with a rubber gasket to ensure perfect water-tightness between the two parts of the cylinder.

Cylinders: quick snap-on connection

The snap-on connectors (click onto the specially shaped terminal on the electrodes) ensure:

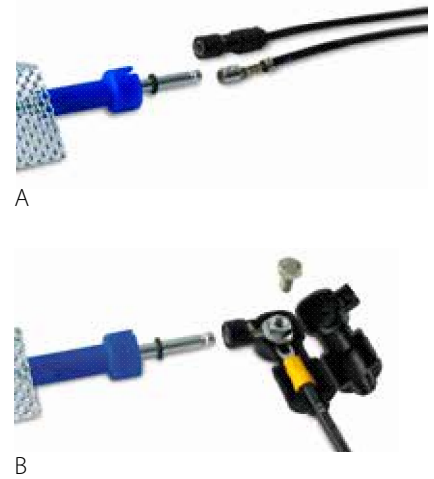
- higher reliability, avoiding the risk of overheating due to incorrect tightening of the nuts when replacing the cylinder,
- quicker cylinder replacement times, as the connections can be made in just a few seconds, with no tools required.

For backward compatibility with units already installed in the field, two adapter kits are available, comprising snap-on connector, protective gasket and fastening screw:

- 98C615P004 quick connector adapter

for eyelet lugs, 5 mm pin (BL0*1* and BL0*R*);

- 98C615P005 quick connector adapter for eyelet lugs, 6 mm pin (BL0*2*, BL0*3*, BL0*4*).



Openable cylinder selection tables

humiSteam: three-phase 400 V (from 380 a 415 V)

	water conductivity		
	low	medium	high
Capacity kg/h	75/350 $\mu\text{S}/\text{cm}$	350/750 $\mu\text{S}/\text{cm}$	750/1250 $\mu\text{S}/\text{cm}$
3	BLCT1A00W2	BLCT1C00W2	BLCT1D00W2
5, 8	BLCT2B00W2	BLCT2C00W2	BLCT2D00W2
10, 15, 18	BLCT3B00W2	BLCT300W2	BLCT3D00W2
25, 35	BLCT4C00W2	BLCT4D00W2	
45, 90 (2x)	BLCT4B00W2	BLCT4C00W2	
65, 130 (2x)	BLCT5B00W0	BLCT5C00W0	

humiSteam: single-phase 230 V (from 220 a 240 V)

	water conductivity		
	low	medium	high
Capacity kg/h	75/350 $\mu\text{S}/\text{cm}$	350/750 $\mu\text{S}/\text{cm}$	750/1250 $\mu\text{S}/\text{cm}$
1, 3	BLCS1E00W2	BLCS1F00W2	
5	BLCS2E00W2	BLCS2F00W2	
9	BLCS3E00W2	BLCS3F00W2	

Disposable cylinder selection tables

humiSteam: single-phase 230 Vac (220 to 240 V)

	water conductivity		
	low	medium	high
Capacity kg/h	75/350 µS/cm	350/750 µS/cm	750/1250 µS/cm
1, 3 reduced	BLOSRE00H2	BLOSRF00H2	
1, 3	BLOS1E00H2	BLOS1F00H2	
5	BLOS2E00H2	BLOS2E00H2	
9	BLOS3E00H2	BLOS3F00H2	

humiSteam: three-phase 400 Vac (380 to 415 V)

	water conductivity		
	low	medium	high
Capacity kg/h	75/350 µS/cm	350/750 µS/cm	750/1250 µS/cm
3	BLOT1A00H2	BLOT1C00H2	BLOT1D00H2
5, 8	BLOT2B00H2	BLOT2C00H2	BLOT2D00H2
10, 15, 18	BLOT3B00H2	BLOT3C00H2	BLOT3D00H2
25, 35	BLOT4C00H2	BLOT4D00H2 (*)	
45, 90 (2x)	BLOT4B00H2	BLOT4C00H2 (*)	
65, 130 (2x)	BLOT5B00H0	BLOT5C00H0	

humiSteam: single-phase 208 Vac

	water conductivity		
	low	medium	high
Capacity kg/h	75/350 µS/cm	350/750 µS/cm	750/1250 µS/cm
1, 3 reduced	BLOSRE00H2	BLOSRF00H2	
1, 3	BLOS1E00H2	BLOS1F00H2	
5	BLOS2E00H2	BLOS2E00H2	
9	BLOS3E00H2	BLOS3F00H2	

humiSteam: three-phase 208 and 230 V

	water conductivity		
	low	medium	high
Capacity kg/h	75/350 µS/cm	350/750 µS/cm	750/1250 µS/cm
3	BLOT1A00H2	BLOT1B00H2	
5, 8	BLOT2A00H2	BLOT2A00H2	
10, 15	BLOT3A00H2	BLOT3A00H2	
25	BLOT4B00H2	BLOT4C00H2 (*)	
35	BLOT4B00H2 (*)		
45	BLOT5A00H0	BLOT5A00H0 (BLOTSB00H0 and 230 V)	

humiSteam: three-phase 460 V

	water conductivity		
	low	medium	high
Capacity kg/h	75/350 µS/cm	350/750 µS/cm	750/1250 µS/cm
3	BLOT1B00H2	BLOT1D00H2	
5, 8	BLOT2C00H2	BLOT2D00H2	
10, 15, 18	BLOT3C00H2	BLOT3D00H2	
25	BLOT4D00H2 (*)		
35, 45, 90, (2x)	BLOT4C00H2	BLOT4D00H2 (*)	
65, 130 (2x)	BLOT5C00H0	BLOT5D00H0	

humiSteam: three-phase 575 V

	water conductivity		
	low	medium	high
Capacity kg/h	75/350 µS/cm	350/750 µS/cm	750/1250 µS/cm
5, 8	BLOT2C00H2	BLOT2D00H2	
10, 15, 18	BLOT3C00H2	BLOT3D00H2	
25, 35, 45, 90 (2x)	BLOT4D00H2 (*)		
65, 130 (2x)	BLOT5D00H0		

(*) for models UE 25, 35, 45 kg/h manufactured until October 2003 or with serial number less than 501,000, use the Y connector.

(**) as well as the voltages shown here, openable cylinders are available for the following voltages: 208 V single-phase, 230 V three-phase, 460 V three-phase, 575 V three-phase.

Important: on models UEH and UEP fitted with cylinders featuring an electrical bridge between two or more electrodes, the new snap-on data connectors cannot be used, as it is not possible to connect more than one cable to the same pin. On these units the spare cylinders retain the threaded pins and the same part numbers must be purchased. The following models of cylinder are affected: BLOS2F00H0, BLC2S2F00W0, BLOS2E00H0, BLC2S2E00W0, BLOT2B00H0, BLCT2B00W0, BLOT2A00H1, BLCT2A00W1, BLOT3B00H0, BLCT3B00W0, BLOT3A00H1 and BLCT3A00W1.