



BEKOMAT®

Standard Condensate Drains

+ Features and Benefits

TRUE ZERO AIR LOSS:

Exclusive operating principle guarantees maximum energy savings

HIGHEST RELIABILITY:

Integrated sieve keeps the drain operational and unaffected by dirt, and eliminates the need for a Y-strainer and extra maintenance

LOWEST MAINTENANCE:

Reduce overall time and costs



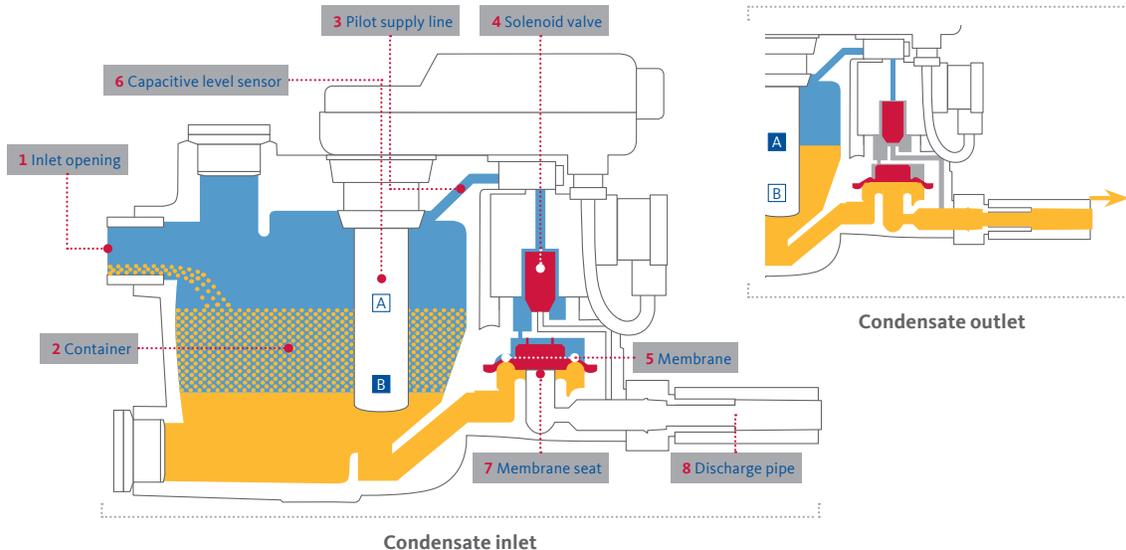
SENSOR CONTROLLED:

Ensures intelligent operation at all times and is safe for all condensate types

INTEGRATED ALARM:

Visual status indication is given on the drain and can be wired for remote access

+ Operating Principle

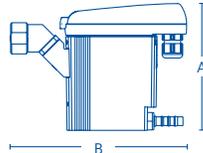


The condensate trickles through the inlet opening (1) and collects in the container (2). Initially, the valve is closed as, via the pilot supply line (3) and the solenoid valve (4), pressure differential above the membrane (5) is effected. The larger surface area above the membrane results in a high closing force. The membrane seat remains closed and leak-proof. When the container is filled with condensate, so that the capacitive level sensor (6) gets a signal at the maximum point **A**, the solenoid valve switches over and the area above the membrane is vented. As a result of the decreasing pressure above the membrane, the membrane lifts off the membrane seat (7) and the overpressure in the housing forces the condensate into the discharge pipe (8).

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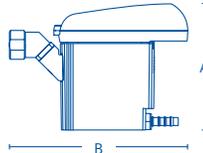
for standard pressure

Min. / Max. Pressure	12 / 232 psig
Ambient Temperature	+33 / +140°F
Diaphragm Material	Viton®
Housing Protection	NEMA 4



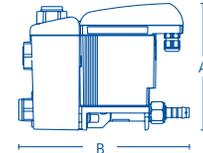
Depth: 2.6

Aluminum housing
- without dry contact



Depth: 3

Aluminum housing



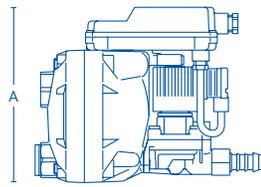
Depth: 2.9

Aluminum housing



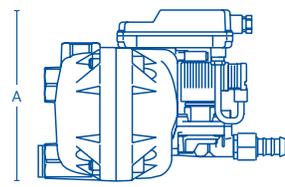
Aluminum housing
+ hard coating

BEKOMAT®	31	32	33	33 CO
Connection (NPT)	1 x 1/2"	1 x 1/2"	3 x 1/2"	3 x 1/2"
Standard Operating Voltage	95-240 Vac 50-60 Hz			
Flow Rate (scfm)	100	225	500	500
Dryer Flow Rate (scfm)	200	450	1,000	1,000
Filter Flow Rate (scfm)	1,000	2,250	5,000	5,000
Dimension data				
A (inches)	4.6	5.0	6.2	6.2
B (inches)	6.5	6.7	8.3	8.3
Weight	0.8	1.0	1.7	1.7



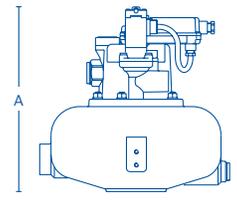
Depth: 3.7

Aluminum housing



Depth: 3.7

Aluminum housing
+ hard coating



Depth: 10.2

Aluminum housing

Aluminum housing
+ hard coating

Aluminum housing
+ hard coating

BEKOMAT®	13	13 CO	14	14 CO	16 CO
Connection (NPT)	2 x 1/2"	2 x 1/2"	3 x 3/4"	3 x 3/4"	2 x 3/4" / 1 x 1"
Standard Operating Voltage	115 Vac 50-60 Hz				
Flow Rate (scfm)	1,300	1,300	5,400	5,400	50,000
Dryer Flow Rate (scfm)	2,600	2,600	10,800	10,800	100,000
Filter Flow Rate (scfm)	13,000	13,000	54,000	54,000	500,000
Dimension data					
A (inches)	6.4	6.4	7.1	7.1	11.0
B (inches)	8.3	8.3	9.9	9.9	13.5
Weight	4.4	4.4	6.4	6.4	13.0

*Optional voltages available on request (230 Vac, 48 Vac, 24 Vac and 24 Vdc)

Subject to technical errors, changes, omissions and/or corrections without prior notice.