



# BEKOMAT®

## Condensate Drains for Specialty Applications

### + 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



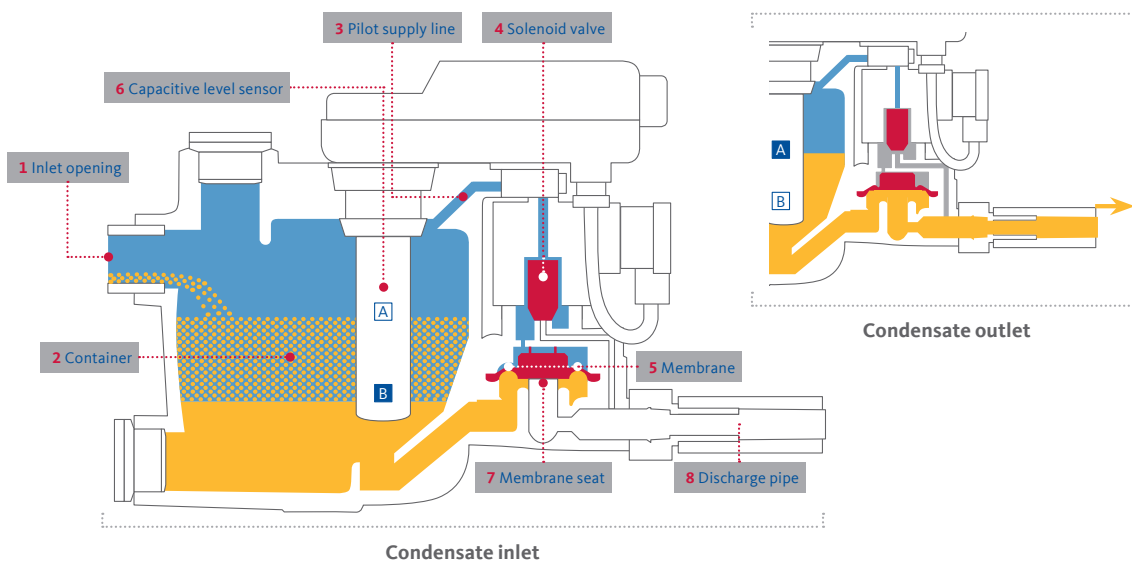
#### SENSOR CONTROLLED:

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

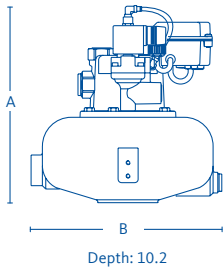
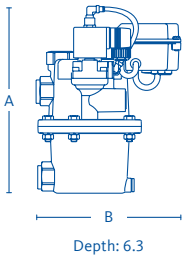


The condensate trickles through the inlet opening (1) and collects in the container (2). Initially, the valve is closed as, via the pilot supply line (3) and the solenoid valve (4), pressure differential above the membrane (5) is effected. The larger surface area above the membrane results in a high 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).

# BEKOMAT® Specialty Condensate Drains

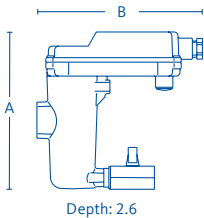
for explosive atmospheres, moisture indication and level sensing

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

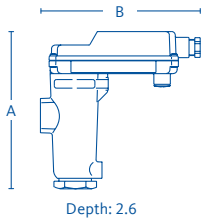


	Aluminum housing + hard coating	Stainless Steel housing	Aluminum housing + hard coating	Stainless Steel housing
BEKOMAT®	3 CO EX	3 E EX	6 CO EX	6 E EX
Connection (NPT)	3 x ¾"	3 x ¾"	2 x ¾" / 1 x 1"	2 x ¾" / 1 x 1"
Flow Rate (scfm)	4,500	4,500	50,000	50,000
Dryer Flow Rate (scfm)	9,000	9,000	100,000	100,000
Filter Flow Rate (scfm)	45,000	45,000	500,000	500,000
Dimension data				
A (in inches)	9.5	9.5	11.4	11.4
B (in inches)	8.4	8.4	13.5	13.5
Weight	7.5	7.5	14.8	14.8

Standard Voltage	
12 KW	115 Vac
12 CO Ni	24 Vdc
Ambient Temperature	+33 / +140°F
Diaphragm Material	Viton®
Housing Protection	NEMA 4



Moisture Indicator  
+ aluminum housing



Aluminum housing

BEKOMAT®	12 KW	12 CO Ni
Connection (NPT)	1 x ½"	1 x ½"
Max. Pressure (psig)	232	360
Dimension data		
A (in inches)	5.6	5.8
B (in inches)	5.9	5.9