



BEKOMAT® CV and NLV

Condensate Drains for Centrifugal Compressors

+ 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



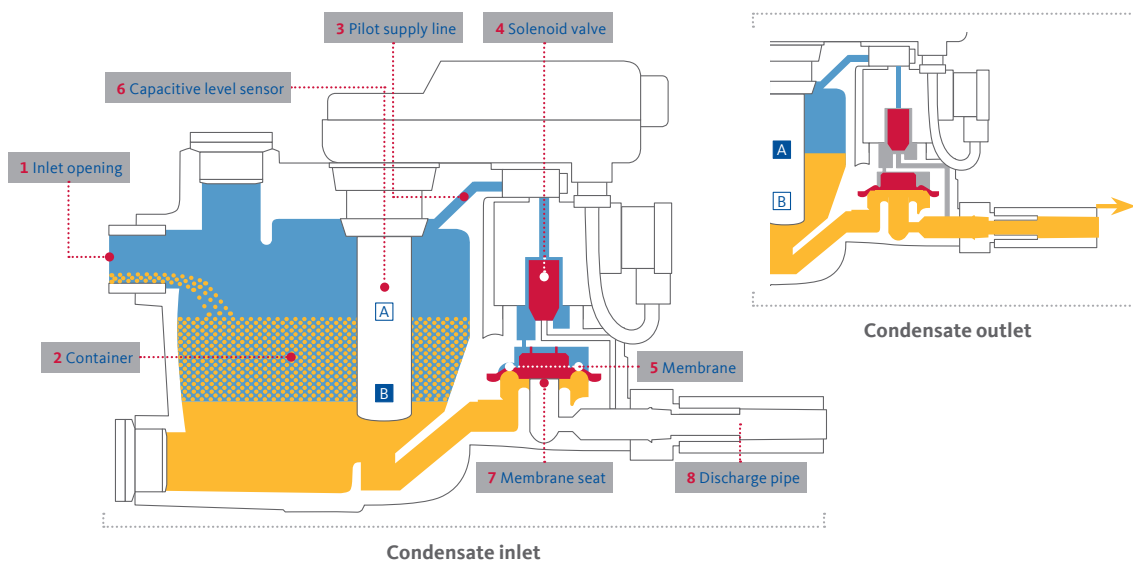
SENSOR CONTROLLED:

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

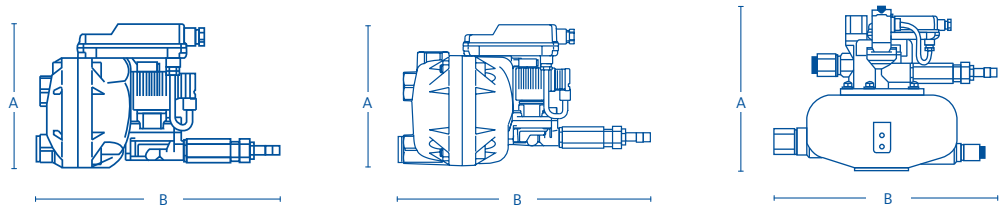
+ Operating Principle



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® CV and NLV Series Condensate Drains
for centrifugal compressors

Standard Voltage	115 Vac
Ambient Temperature	+33 / +140°F
Diaphragm Material	Viton®
Housing Protection	NEMA 4

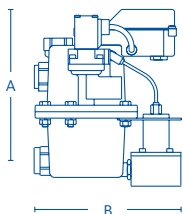


Aluminum housing
+ check-valve set

Aluminum housing
+ check-valve set

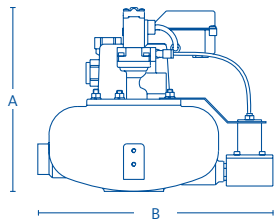
Aluminum housing
+ check-valve set & hard coating

BEKOMAT®	13 CV	14 CV	16 CO CV
Connection (NPT)	2 x ½"	3 x ¾"	2 x ¾" / 1 x 1"
Min. / Max. Pressure (psig)	12 / 232	12 / 232	12 / 232
Flow Rate (scfm)	2,000	8,000	50,000
Dryer Flow Rate (scfm)	4,000	16,000	100,000
Filter Flow Rate (scfm)	20,000	80,000	500,000
Dimension data			
A (in inches)	6.4	7.1	11
B (in inches)	10.8	12.1	13.5
Weight	4.6	6.6	13.2



Depth: 6.30

Aluminum housing
+ no load valve & hard coating



Depth: 10.24

Aluminum housing
+ no load valve & hard coating

BEKOMAT®	3 CO NLV	6 CO NLV
Connection (NPT)	3 x ¾"	2 x ¾" / 1 x 1"
Min. / Max. Pressure (psig)	0 / 360	0 / 232
Flow Rate (scfm)	6,000	50,000
Dryer Flow Rate (scfm)	12,000	100,000
Filter Flow Rate (scfm)	60,000	500,000
Dimension data		
A (in inches)	9.72	11.22
B (in inches)	8.66	13.39
Weight	7.5	14.8

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