

steam trap KA01



description:

The steam trap drains off condensate without loss of compressed air and can be used for pressure vessels, among other things.

features:

- suitable for compressed air / nitrogen & ATEX on request / not suitable for water
- no loss of compressed air during draining
- outstanding reliability – durable and resistant to dirt
- Installation always on the lowest point - easy to install and virtually maintenance-free
- automated operation and monitoring – Automatic start of self-cleaning process based on dirt particle load

compressor performance:

From 2,5 m³/min till 30 m³/min – depending on the version

operating pressure:

0,8 bar up to 16,0 bar

ambient temperature:

+1°C - +60°C

technical data:

type:	Bekomat 31U	Bekomat 32U	Bekomat 13
max. compressor performance*:	3m ³ /min / 2,5m ³ /min / 1,5m ³ /min	6m ³ /min / 5m ³ /min / 3,5m ³ /min	35m ³ /min / 30m ³ /min / 20m ³ /min
max. refrigeration dryer performance*:	6m ³ /min / 5m ³ /min / 3m ³ /min	12m ³ /min / 10m ³ /min / 7m ³ /min	70m ³ /min / 60m ³ /min / 40m ³ /min
max. filter performance*:	30m ³ /min / 25m ³ /min / 15m ³ /min	60m ³ /min / 50m ³ /min / 35m ³ /min	350m ³ /min / 300m ³ /min / 200m ³ /min
housing:	aluminium + plastic	aluminium + plastic	aluminium
media:	oil-based & oil-free	oil-based & oil-free	oil-free
condensate inlet:	1 x G 1/2" (inside)	1 x G 1/2" (inside)	2 x G 1/2" (inside)
condensate discharge:	1 x G 1/4"; hose connector, hose Ø = 10 mm (inside)	1 x G 1/4"; hose connector, hose Ø = 10 mm (inside)	1 x G 1/2" (outside), hose connector, hose, Ø = 13 mm (inside)
protection class:	IP67	IP67	IP65
protection:	Recommended 0,5 A/mt	Recommended 0,5 A/mt	Recommended for AC: 1 A slow / mandatory for DC: 1 A slow
ambient temperature:	+1°C till +70°C	+1°C till +70°C	+1°C till +60°C
operating pressure:	0,8 till 16,0 bar	0,8 till 16,0 bar	0,8 till 16,0 bar
seal:	FKM	FKM	FKM
wire cross-section:	0,75 – 2,50 mm ² (AWG 14-20)	0,75 – 2,50 mm ² (AWG 14-20)	Recommended 3 x 0,75 mm ² (AWG 16-18)
power consumption:	0,6 – 3 VA (W)	0,6 – 3 VA (W)	< 8 VA (AC/~) / W (DC/~)
operation voltage:	95-240V AC (50-60 Hz) / 100-125 VDC	95-240V AC (50-60 Hz) / 100-125 VDC	230 V AC (50-60 Hz)
contact load	-	-	< 250 VAC / < 1 A; > 5 VDC / > 10 mA
application for:	NieRuf-pressure vessels BE01 from 50 to 750 l	NieRuf-pressure vessels BE01 from 1000 to 5000 l	NieRuf-pressure vessels BE01 from 6000 to 10000 l

*There are different amounts of condensate depending on the climate and temperature:

green value = e.g. Northern Europe, Canada, Northern USA, Central Asia

blue value = e.g. Central and Southern Europe, Central America

red value = e.g. South-East Asian coastal regions, Oceania, Amazon and Congo regions



discharge performance:

type Bekomat 31U:

operating pressure in bar	1	2	3	4	5	6	>7
max. discharge rate (short-term) l/h	4,50			5,50			
Ø – discharge rate l/h	0,51			0,63			

type Bekomat 32U:

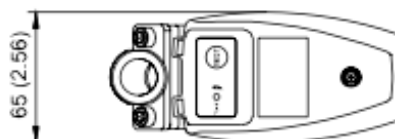
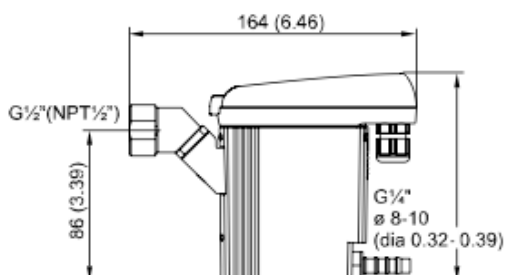
operating pressure in bar	1	2	3	4	5	6	>7
max. discharge rate (short-term)				10,00			
Ø – discharge rate l/h				1,14			

type Bekomat 13:

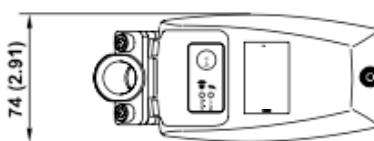
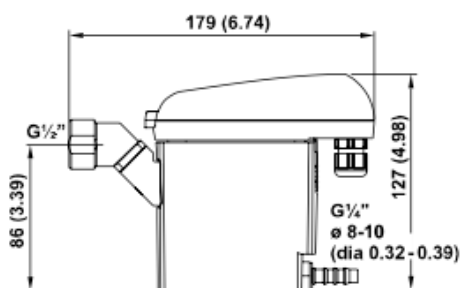
operating pressure in bar	1	2	3	4	5	6	>7
max. discharge rate (short-term)	50,00	60,00	80,00	90,00	100,00	120,00	120,00
Ø – discharge rate l/h	3,17	4,12	5,00	5,70	6,35	7,61	7,61

dimensions:

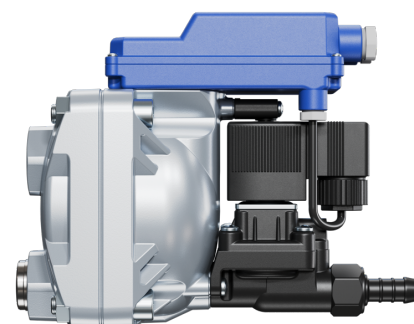
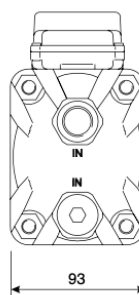
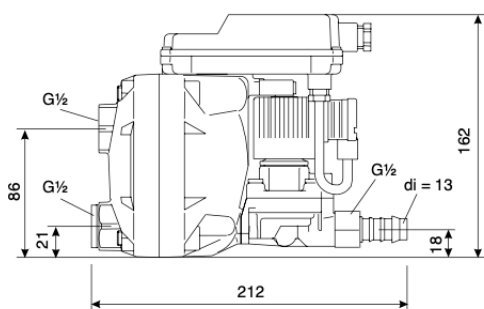
type Bekomat 31U:



type Bekomat 32U:



type Bekomat 13:



article number:

type	inlet	seal	max. compressor performance**
KA01	00 – G 1/2"	00 – FKM	01 – 2,5 m³/min 02 – 5 m ³ /min 03 – 30 m ³ /min

example no.
KA01000001:

KA01 00 00 01

steam trap
inlet: G 1/2"
seal: FKM
max. compressor performance: 2,5 m³/min

**Compressor performance values refer to Central & Southern Europe and Central America

Illustration similar, subject to technical and dimensional changes.