



VAT Vakuumentile AG  
CH-9469 Haag, Schweiz

## Product data sheet

Series 213, DN 10 ( $\frac{3}{8}$ "

Ordering No. 21320-KA64-....

### Solenoid Actuated Venting Valve

Electromagnetic, without position indicator, single acting, closing spring, vacuum tight

#### Advantages

- No vacuum feedthrough
- Long service life
- Mountable in any position



Created by: T. Eugster	Release date: 2013-09-02	1 of 3
Modified by:	Release date:	<b>602417EA</b>



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## Product data sheet

Series 213, DN 10 (3/8")

Ordering No. 21320-KA64-....

### Ordering Information

#### Selection Data

Vacuum connection	DN 10 ISO-KF
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#### Solenoid Actuated Venting Valve

Solenoid valve	
200 – 240 V AC; 50/60Hz	21320-KA64-ABM.
100 – 115 V AC; 50/60Hz	21320-KA64-ABK.
24 V AC, 50/60Hz	21320-KA64-ABJ.
24 V DC	21320-KA64-000.

### Specifications

Service life	cycles	1.5 Mio <sup>1)</sup>
Leak rate	mbar l/s	1×10 <sup>-9</sup>
Conductance for molecular flow	l/s	1
Conductance at 1mbar	l/s	3.5
Pressure range	mbar / bar min / max	1×10 <sup>-8</sup> / 10 (abs)
Duty cycle	%	100
Differential pressure on the plate		
in closing direction	bar	10
in opening direction	bar	1
Differential pressure at opening		
in closing direction		2 <sup>2)</sup>
in opening direction		1
Ambient temperature	°C	5 – 40
Pickup / holding power	VA	35 / 15
Pressure resistance	bar	10
Closing / opening time	ms	60 / 45
Switching frequency	1/min	50
Body		aluminum
Seals		FKM
Weight	kg	0.46

### Options

Filter with port, centering ring and clamping ring	588566
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<sup>1)</sup> Cycle life tested at room temperature and under clean and static conditions. Expandable parts are excluded

<sup>2)</sup> Opening above atmospheric pressure reduces specified cycle life



VAT Vakuumventile AG  
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## Product data sheet

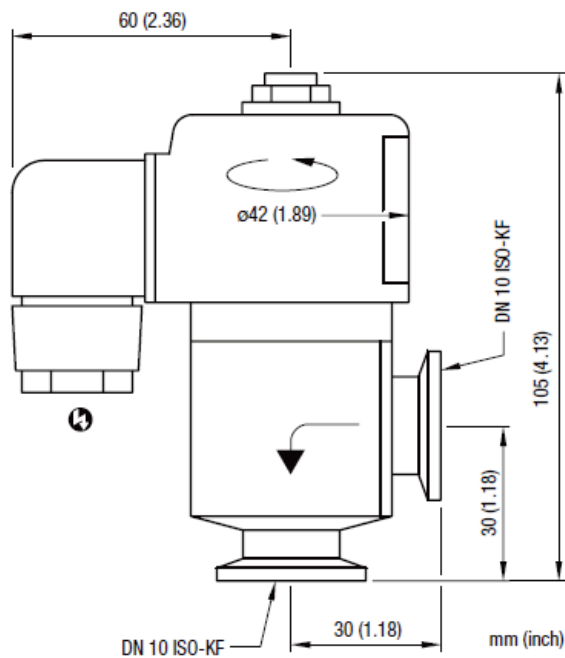
Series 213, DN 10 ( $\frac{3}{8}$ "

Ordering No. 21320-KA64-....

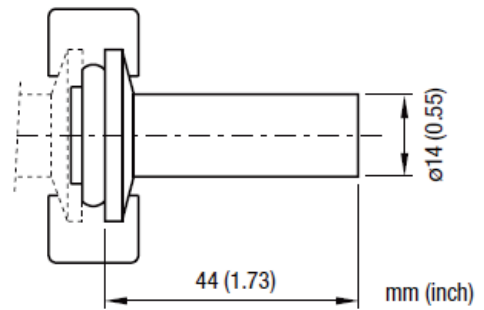
### Spare Parts

Seal kit	587384
Filter	589120

### Dimensions



### Filter option (588566)



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## Product data sheet

Series 213, DN 10 ( $\frac{3}{8}$ "

Ordering No. 21320-KA66-....

### Power Failure Venting Valve

Electromagnetic, without position indicator, single acting, opening spring

#### Advantages

- For automatic venting of pumps, system or vacuum chambers in case of a power failure



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VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

Series 213, DN 10 (3/8")

Ordering No. 21320-KA66-....

### Ordering Information

#### Selection Data

Vacuum connection	DN 10 ISO-KF
Body	aluminum

### Power Failure Venting Valve

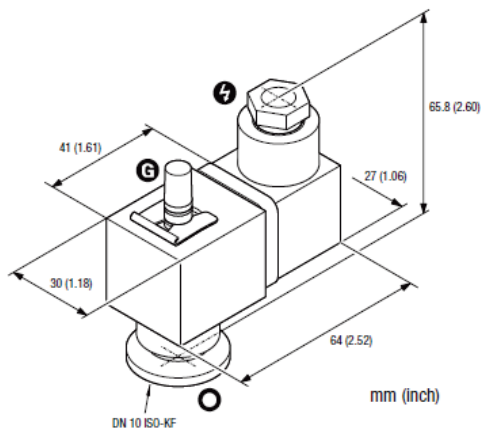
Solenoid valve				
200 – 240 V AC; 50/60Hz		21320-KA66-ABM.		
24 V DC			21320-KA66-000.	
100 - 115 V AC; 50/60Hz				21320-KA66-ABK.
Nominal Power				
Pickup	W / VA	2.5 / -	- / 5	- / 5
Holding	W / VA	2.5 / -	- / 3.7	- / 3.7

### Specifications

Cycle life	cycles	3 Mio <sup>1)</sup>
Leak rate	mbar l/s	1×10 <sup>-7</sup>
Ambient temperature	°C	0 – 50
Switching frequency	1/min	60
Opening time	ms	30
Closing time	ms	30
Venting time for a 50 l vessel	s	270
Seal		FKM
Protection class		IP 65
Weight	kg	0.1

<sup>1)</sup> Cycle life tested at room temperature and under clean and static conditions. Expandable parts are excluded

### Dimensions



Created by: T. Eugster	Release date: 2013-09-02	2 of 2
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## Product data sheet

Series 213, DN 10 (3/8")

Ordering No. 21320-K.01-000.

## Manually Actuated Venting Valve

### Hand wheel

### Advantages

- Simple opening and closing of the valve by loosening or tightening the screw cap



## Ordering Information

### Selection Data

Vacuum connection		DN 10 ISO-KF	DN 10 ISO-KF
Body	AISI / DIN	aluminum / 3.0615	stainless steel 303 / 1.4305
Plate	AISI / DIN	aluminum	stainless steel 304 / 1.4301
Screw cap	AISI / DIN	brass nickel-plated	brass nickel-plated

## Manually Actuated Venting Valve

Type	21320-KA01-000.	21320-KE01-000.
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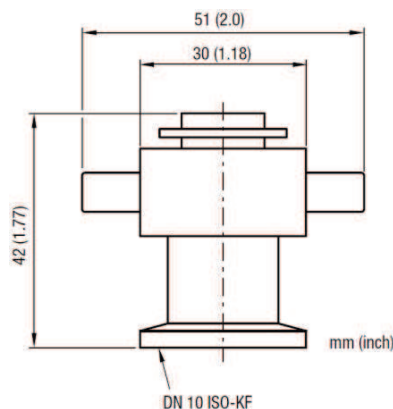
## Specifications

Leak rate	mbar l/s	$1 \times 10^{-9}$	$1 \times 10^{-9}$
Pressure range	mbar / bar min / max	$1 \times 10^{-8}$ / 1 (abs)	$1 \times 10^{-8}$ / 1 (abs)
Seal		FKM	FKM
Weight	kg	0.1	0.15

## Spare Parts

O-ring	N-7100-206	N-7100-206
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## Dimensions



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