

### FEATURES

- Explosionproof operator for use in potentially explosive atmospheres according to ATEX-Directive 94/9/EC  
 EC type-examination certificate no.: **BAS 02 ATEX 2157**
- Compliance with the Essential Health and Safety Requirements of the ATEX Directive has been assured by compliance with European Standards **EN 60079-0, EN 60079-1, EN 61241-0 and EN 61241-1**
- Easy electrical installation by means of a screw terminal coil
- Enclosure provided with a M20 x 1,5 (optionally 1/2 NPT) threaded entry hole for a broad range of cable entries
- Ingress protection degree IP66
- A wide range of valves can be supplied with the operator

### CONSTRUCTION

<b>Solenoid enclosure</b>	NA	Stainless steel (AISI 316L)
	NB	Cast iron, epoxy coated
<b>Core, core tube and plugnut</b>		Stainless steel
<b>Shading coil</b>		Not applicable <sup>(1)(2)</sup>
<b>Nameplate</b>		Stainless steel
<b>Fasteners &amp; screws</b>		Stainless steel
<b>Coil connection</b>		Screw terminals
<b>Safety code</b>		II 2 G Ex d IIC T6..T3 II 2 D Ex tD A21 IP66 T85°C-T200°C

### ELECTRICAL CHARACTERISTICS

<b>Standard voltages</b>	DC (=) : 24V - 48V - 240V
(Other voltages and 60 Hz on request)	AC (~) : 24V - 48V - 115V - 230V / 50 Hz

### TEMPERATURE CLASSIFICATION TABLES

Pn (watt)	solenoid size		maximum ambient °C <sup>(3)</sup>			
	M25 (NA)	M25 (NB)	surface temperature			
			T6 85°C	T5 100°C	T4 135°C	T3 200°C
Insulation class F (155°C) 100% E.D.						
14,2 <sup>(1)</sup>	●				60	80
14,2 <sup>(1)</sup>		●		50	80	
17,05 <sup>(2)</sup>	●				40	80
17,05 <sup>(2)</sup>		●		40	70	80

Pn (watt)	solenoid size		maximum ambient °C <sup>(3)</sup>			
	M25 (NA)	M25 (NB)	surface temperature			
			T6 85°C	T5 100°C	T4 135°C	T3 200°C
Insulation class F (155°C) 100% E.D.						
10,0 <sup>(1)</sup>	●				60	80
10,0		●	40	50	80	
21,4 <sup>(2)</sup>	●				40	80
21,4		●			60	80
35,1	●					50
35,1		●			50	

Check the wattage compatibility with the product selected.

<sup>(1)</sup> AC (~) Full wave rectified coil onstruction

<sup>(2)</sup> AC (~) Back wave rectified coil onstruction

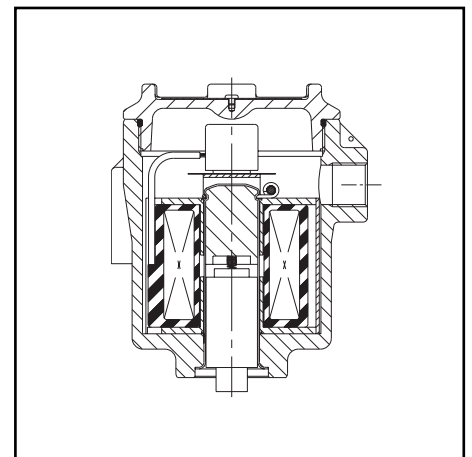
<sup>(3)</sup> **The minimum allowable ambient temperature is -40°C for the operator.** Actual temperature range can be limited depending on valve operation limits.

### OPTIONS

- Non-polarised voltage surge suppressor for DC constructions
- A 35,1 W DC, HC coil is available for battery voltages. Range +12% to -28% of nominal voltage (only available on NB construction)
- A welded plugnut construction is available as an alternative to the standard closed tube construction (contact factory for details)

### CONNECTIONS

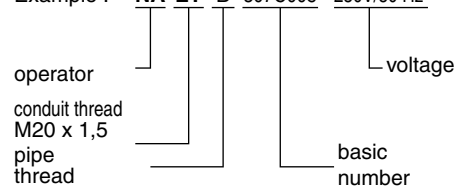
- Any ATEX approved dia. 9-12 mm cable entry device can be fitted in the M20 x 1,5: use prefix **NAET** or **NBET**; refer to the nameplate for maximum cable temperature (optionally 1/2 NPT / Ø 8,5-16 mm, use prefix **NAT** or **NBT**).
- Internal and external earthing connection
- The operator can be rotated 360° at 90° increments to select the most favourable position for cable entry



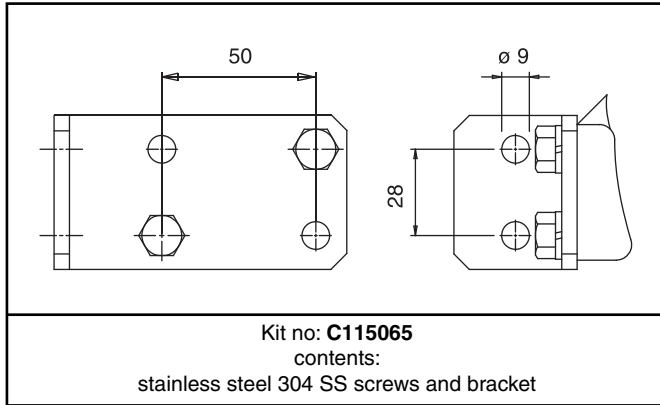
### ORDERING INFORMATION

A valve supplied with the explosionproof operator will be identified with prefix **NA** or **NB** before the catalogue number.

Example : **NA ET B 307C008 230V/50 Hz**



## MOUNTING BRACKET

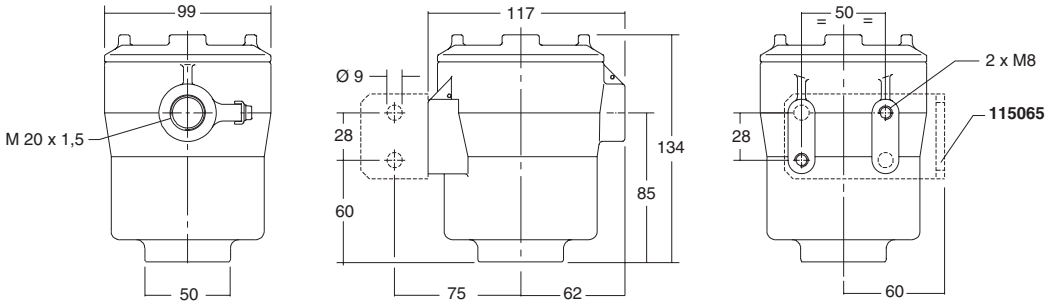


## DIMENSIONS (mm), WEIGHT (kg)



### TYPE NA-NB

Prefix "NA" and "NB" solenoids  
 Stainless steel (NA)  
 Cast iron, epoxy coated (NB)  
 EN 60079-1 and EN 61241-1  
 II 2 G Ex d IIC - II 2D Ex tD A21 IP66



prefix	weight
NA	4,8
NB	4,8

① 2 mounting holes M5,  
 depth 9 mm