

2 Point & 3 Point Control 2 Nm



2 Point & 3 Point Control 2 Nm



NABA...02 (S1) SERIES

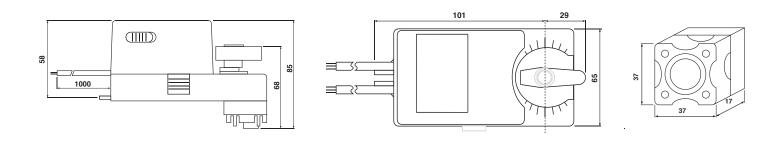
NABA series standard valve actuators are especially designed and produced for applications in the HVAC systems. Our wide range of standard valve actuators has been developed to operate and position ball valves of different sizes.

PRODUCT FEATURE

- Torque 2 Nm
- Valve size DN15(½") / DN20(¾")
- Power supply AC/DC 24 V and AC 230 V
- Shaft dimensions □ 9.0 mm (fixed)
- Selectable direction of rotation of reversing actuator
- Actuator with 1 m cable connection
- Optional 1 Adjustable SPDT auxiliary switche

MODEL / TYPE	TORQUE	POWER SUPPLY	RUNNING TIME	AUXILIARY SWITCH
NABA 1-02 LN	2 Nm	AC/DC 24 V ± 10%	6090 sec	-
NABA 1-02S1 LN	2 Nm	AC/DC 24 V ± 10%	6090 sec	1 x SPDT (Adjustable)
NABA 2-02 LN	2 Nm	AC 230 V ± 10%	6090 sec	-
NABA 2-02S1 LN	2 Nm	AC 230 V ± 10%	6090 sec	1 x SPDT (Adjustable)

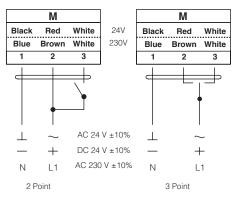




MODEL NUMBER	NABA 1-02 (S1)	NABA 2-02 (S1)	
TORQUE	2 Nm	2 Nm	
VALVE SIZE	DN15(½") / DN20(¾")	DN15(½") / DN20(¾")	
SHAFT DIMENSION	□ 9.0 mm (fixed)	□ 9.0 mm (fixed)	
POWER SUPPLY	AC/DC 24 V ± 10%	AC 230 V ± 10%	
FREQUENCY	5060 Hz	5060 Hz	
CONTROL SIGNAL	2 & 3 point control	2 & 3 point control	
POWER CONSUMPTION			
• OPERATING	4.0 W	4.0 W	
END POSITION	2.0 W	2.0 W	
FOR WIRE SIZING	14.0 VA	14.0 VA	
ELECTRICAL CONNECTION	1 m Cable	1 m Cable	
AUXILIARY SWITCH RATING	3 (1.5) A, AC 250 V	3 (1.5) A, AC 250 V	
PROTECTION CLASS	Class III Ф	Class II 🗆	
ANGLE OF ROTATION	90° (95° mechanical)	90° (95° mechanical)	
WEIGHT	< 0.8 Kg	< 0.8 Kg	
LIFE CYCLE	60,000 Rotation	60,000 Rotation	
SOUND LEVEL	40 dB	40 dB	
IP PROTECTION	IP54	IP54	
OPERATING TEMPERATURE	-20°50° as per IEC 721-3-3	-20°50° as per IEC 721-3-3	
NON-OPERATING TEMPERATURE	-30°+60° C / IEC 721-3-2	-30°+60° C / IEC 721-3-2	
AMBIENT HUMIDITY	5%95% rH non condensing / EN	5%95% rH non condensing / EN	
MAINTENANCE	Maintenance Free	Maintenance Free	
MODE OF OPERATION	Type I / EN 60730-1	Type I / EN 60730-1	
EMC	CE & ISO 9000 EN / EEC	CE & ISO 9000 EN / EEC	

2 Point & 3 Point Control 2 Nm

WIRING DIAGRAM NABA...02 (S1) POWER SUPPLY AC/DC 24V / AC 230V

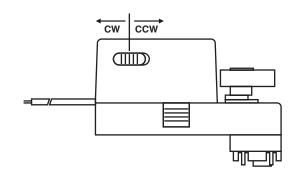


↑ Connect via safety isolating transformer

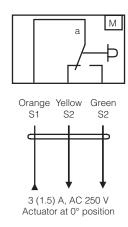
DIRECTION OF ROTATION NABA...02 (S1)

Default factory setting: CCW.

Direction of rotation can be change by toggling between CW/ CCW switch on the actuator's housing.



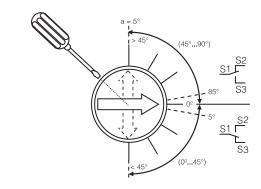
WIRING DIAGRAM NABA...02 (S1) AUXILIARY SWITCH



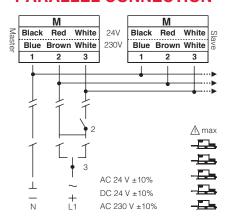
AUXILIARY SWITCH NABA...02 (S1)

Switch a factory-set at 5°.

The auxiliary switch can be optimally adjusted between $0^{\circ}...90^{\circ}$.



WIRING DIAGRAM NABA...02 (S1) PARALLEL CONNECTION



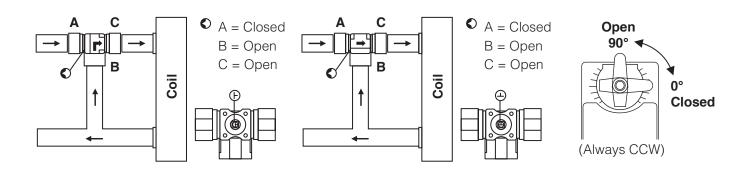
REMARK

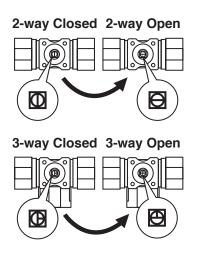
Parallel connection of NABA...02 (S1) actuators are limited to 5. Power consumption must be observe.

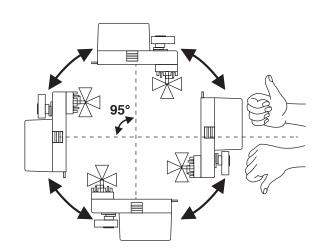


MIXING OPEN

ACTUATOR POSITION







IMPORTANT REMARK

For special requirement, consult your local Nenutec's representative.



This actuator includes electrical and electronic components and may not be disposed as household garbage. Please consider the local valid legislation.



AC / DC 24 V: AC 230 V:

Connect via safety isolating transformer.

To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3mm contact gap.)



Modulating Control 2 Nm



Modulating Control 2 Nm



NABM...02 SERIES

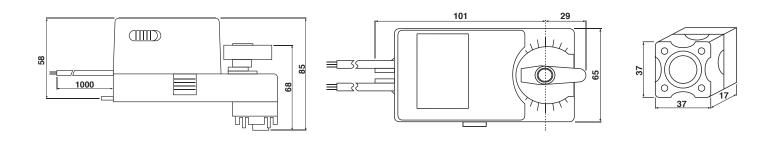
NABM series standard valve actuators are especially designed and produced for applications in the HVAC systems. Our wide range of standard valve actuators has been developed to operate and position ball valves of different sizes.

PRODUCT FEATURE

- Torque 2 Nm
- Valve size DN15(½") / DN20(¾")
- Power supply AC/DC 24 V
- Modulating Control Signal DC 0(2)...10 V
- Shaft dimensions □ 9.0 mm (fixed)
- Actuator with 1 m cable connection
- Selectable direction of rotation of reversing actuator

MODEL / TYPE	TORQUE	POWER SUPPLY	RUNNING TIME	AUXILIARY SWITCH
NABM 1.2-02 LN	2 Nm	AC/DC 24 V ± 10%	6090 sec	-

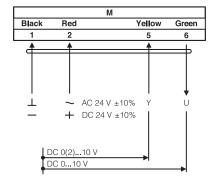




MODEL NUMBER	NABM 1.2-02
TORQUE	2 Nm
VALVE SIZE	DN15(½") / DN20(¾")
SHAFT DIMENSION	☐ 9.0 mm (fixed)
POWER SUPPLY	AC/DC 24 V ± 10%
FREQUENCY	5060 Hz
CONTROL SIGNAL	DC 0(2)10 V
POSITION SIGNAL (OUTPUT)	DC 010 V
POWER CONSUMPTION	
OPERATING	4.0 W
END POSITION	2.0 W
FOR WIRE SIZING	14.0 VA
ELECTRICAL CONNECTION	1 m Cable
AUXILIARY SWITCH RATING	3 (1.5) A, AC 250 V
PROTECTION CLASS	Class III
ANGLE OF ROTATION	90° (95° mechanical)
WEIGHT	< 0.8 Kg
LIFE CYCLE	60,000 Rotation
SOUND LEVEL	40 dB
IP PROTECTION	IP54
OPERATING TEMPERATURE	-20°50° as per IEC 721-3-3
NON-OPERATING TEMPERATURE	-30°+60° C / IEC 721-3-2
AMBIENT HUMIDITY	5%95% rH non condensing / EN
MAINTENANCE	Maintenance Free
MODE OF OPERATION	Type I / EN 60730-1
EMC	CE & ISO 9000 EN / EEC

Modulating Control 2 Nm

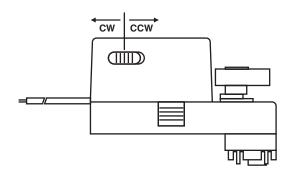
WIRING DIAGRAM NABM...02 POWER SUPPLY AC/DC 24V



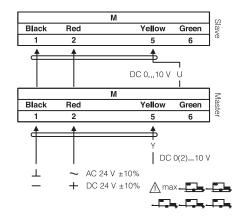
DIRECTION OF ROTATION NABM...02

Default factory setting: CCW.

Direction of rotation can be change by toggling between CW/ CCW switch on the actuator's housing.



WIRING DIAGRAM NABM...02 PARALLEL CONNECTION



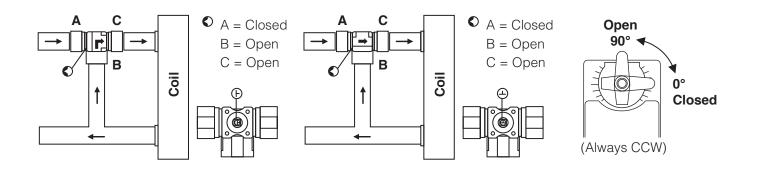
REMARK

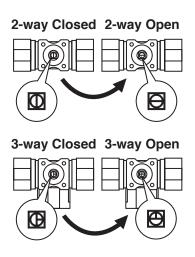
During parallel operation, the output signal (terminal 6, DC 0...10 V) of the master actuator must be connected to terminal 5 of the next slave actuator.

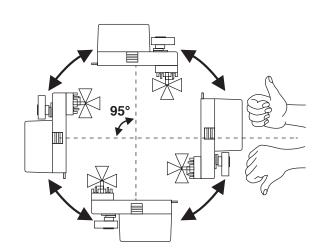


MIXING OPEN

ACTUATOR POSITION







IMPORTANT REMARK

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This actuator includes electrical and electronic components and may not be disposed as household garbage. Please consider the local valid legislation.



AC / DC 24 V: AC 230 V: Connect via safety isolating transformer.

To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3mm contact gap.)



2 Point & 3 Point Control 5 Nm



2 Point & 3 Point Control 5 Nm



NABA...05 (S1) SERIES

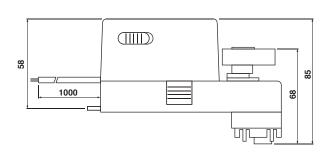
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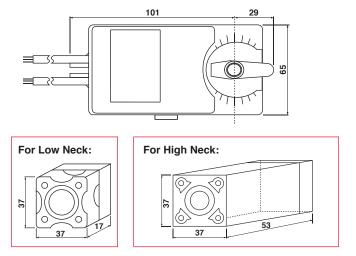
PRODUCT FEATURE

- Torque 5 Nm
- Valve size DN15(½") / DN20(¾") / DN25(1") / DN32(1¼")
- Power supply AC/DC 24 V and AC 230 V
- Shaft dimensions □ 9.0 mm (fixed)
- Selectable direction of rotation of reversing actuator
- Actuator with 1 m cable connection
- Optional 1 Adjustable SPDT auxiliary switch
- Available in high neck and low neck

MODEL / TYPE	TORQUE	POWER SUPPLY	RUNNING TIME	AUXILIARY SWITCH
NABA 1-05 LN	5 Nm	AC/DC 24 V ± 10%	70100 sec	-
NABA 1-05 HN	5 Nm	AC/DC 24 V ± 10%	70100 sec	-
NABA 1-05S1 LN	5 Nm	AC/DC 24 V ± 10%	70100 sec	1 x SPDT (Adjustable)
NABA 1-05S1 HN	5 Nm	AC/DC 24 V ± 10%	70100 sec	1 x SPDT (Adjustable)
NABA 2-05 LN	5 Nm	AC 230 V ± 10%	70100 sec	-
NABA 2-05 HN	5 Nm	AC 230 V ± 10%	70100 sec	-
NABA 2-05S1 LN	5 Nm	AC 230 V ± 10%	70100 sec	1 x SPDT (Adjustable)
NABA 2-05S1 HN	5 Nm	AC 230 V ± 10%	70100 sec	1 x SPDT (Adjustable)



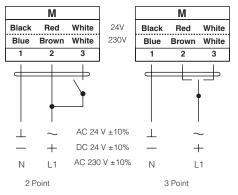




MODEL NUMBER	NABA 1-05 (S1)	NABA 2-05 (S1)	
TORQUE	5 Nm	5 Nm	
VALVE SIZE	DN15(½") / DN20(¾") / DN25(1") / DN32(1¼")	DN15(½") / DN20(¾") / DN25(1") / DN32(1¼")	
SHAFT DIMENSION	□ 9.0 mm (fixed)	□ 9.0 mm (fixed)	
POWER SUPPLY	AC/DC 24 V ± 10%	AC 230 V ± 10%	
FREQUENCY	5060 Hz	5060 Hz	
CONTROL SIGNAL	2 & 3 point control	2 & 3 point control	
POWER CONSUMPTION			
• OPERATING	4.0 W	4.0 W	
END POSITION	2.0 W	2.0 W	
FOR WIRE SIZING	14.0 VA	14.0 VA	
ELECTRICAL CONNECTION	1 m Cable	1 m Cable	
AUXILIARY SWITCH RATING	3 (1.5) A, AC 250 V	3 (1.5) A, AC 250 V	
PROTECTION CLASS	Class III ⊕	Class II 🗆	
ANGLE OF ROTATION	90° (95° mechanical)	90° (95° mechanical)	
WEIGHT	< 0.8 Kg	< 0.8 Kg	
LIFE CYCLE	60,000 Rotation	60,000 Rotation	
SOUND LEVEL	40 dB	40 dB	
IP PROTECTION	IP54	IP54	
OPERATING TEMPERATURE	-20°50° as per IEC 721-3-3	-20°50° as per IEC 721-3-3	
NON-OPERATING TEMPERATURE	-30°+60° C / IEC 721-3-2	-30°+60° C / IEC 721-3-2	
AMBIENT HUMIDITY	5%95% rH non condensing / EN	5%95% rH non condensing / EN	
MAINTENANCE	Maintenance Free	Maintenance Free	
MODE OF OPERATION	Type I / EN 60730-1	Type I / EN 60730-1	
EMC	CE & ISO 9000 EN / EEC	CE & ISO 9000 EN / EEC	

2 Point & 3 Point Control 5 Nm

WIRING DIAGRAM NABA...05 (S1) POWER SUPPLY AC/DC 24V / AC 230V

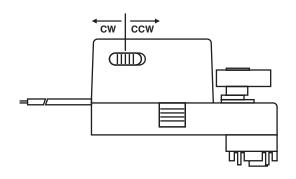


↑ Connect via safety isolating transformer

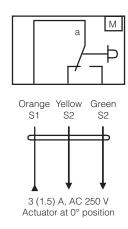
DIRECTION OF ROTATION NABA...05 (S1)

Default factory setting: CCW.

Direction of rotation can be change by toggling between CW/ CCW switch on the actuator's housing.



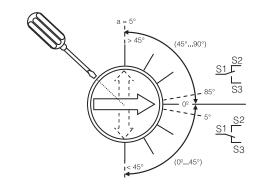
WIRING DIAGRAM NABA...05 (S1) AUXILIARY SWITCH



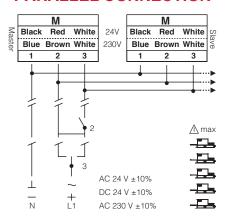
AUXILIARY SWITCH NABA...05 (S1)

Switch a factory-set at 5°.

The auxiliary switch can be optimally adjusted between $0^{\circ}...90^{\circ}$.



WIRING DIAGRAM NABA...05 (S1) PARALLEL CONNECTION



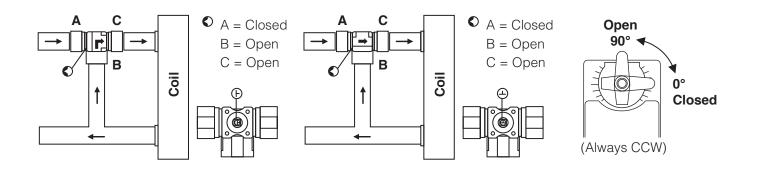
REMARK

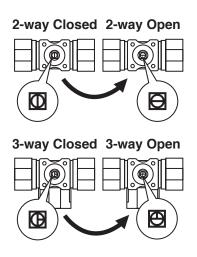
Parallel connection of NABA...05 (S1) actuators are limited to 5. Power consumption must be observe.

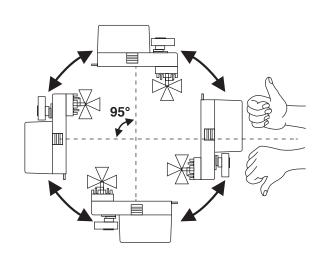


MIXING OPEN

ACTUATOR POSITION







IMPORTANT REMARK

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AC / DC 24 V: AC 230 V: Connect via safety isolating transformer.

To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3mm contact gap.)



Modulating Control 5 Nm



Modulating Control 5 Nm



NABM...05 SERIES

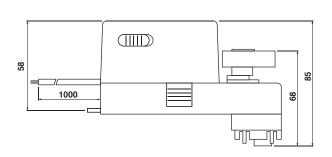
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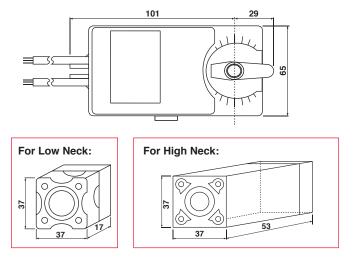
PRODUCT FEATURE

- Torque 5 Nm
- Valve size DN15(½") / DN20(¾") / DN25(1") / DN32(1¼")
- Power supply AC/DC 24 V and AC 230 V
- Control Modulating DC 0(2)...10 V
- Shaft dimensions □ 9.0 mm (fixed)
- Selectable direction of rotation of reversing actuator
- Actuator with 1 m cable connection
- Available in high neck and low neck

MODEL / TYPE	TORQUE	POWER SUPPLY	RUNNING TIME	AUXILIARY SWITCH
NABM 1.2-05 LN	5 Nm	AC/DC 24 V ± 10%	70100 sec	-
NABM 1.2-05 HN	5 Nm	AC/DC 24 V ± 10%	70100 sec	-



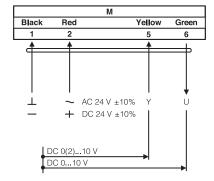




MODEL NUMBER	NABM 1.2-05	
TORQUE	5 Nm	
VALVE SIZE	DN15(½") / DN20(¾") / DN25(1") / DN32(1¼")	
SHAFT DIMENSION	□ 9.0 mm (fixed)	
POWER SUPPLY	AC/DC 24 V ± 10%	
FREQUENCY	5060 Hz	
CONTROL SIGNAL (INPUT)	DC 0(2)10 V	
CONTROL SIGNAL (OUTPUT)	DC 010 V	
POWER CONSUMPTION		
• OPERATING	4.0 W	
END POSITION	2.0 W	
FOR WIRE SIZING	14.0 VA	
ELECTRICAL CONNECTION	1 m Cable	
PROTECTION CLASS	Class III ⊕	
ANGLE OF ROTATION	90° (95° mechanical)	
WEIGHT	< 0.8 Kg	
LIFE CYCLE	60,000 Rotation	
SOUND LEVEL	40 dB	
IP PROTECTION	IP54	
OPERATING TEMPERATURE	-20°50° as per IEC 721-3-3	
NON-OPERATING TEMPERATURE	-30°+60° C / IEC 721-3-2	
AMBIENT HUMIDITY	5%95% rH non condensing / EN	
MAINTENANCE	Maintenance Free	
MODE OF OPERATION	Type I / EN 60730-1	
EMC	CE & ISO 9000 EN / EEC	

Modulating Control 5 Nm

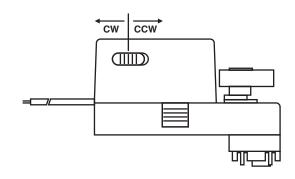
WIRING DIAGRAM NABM...05 POWER SUPPLY AC/DC 24V



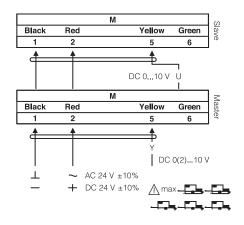
DIRECTION OF ROTATION NABM...05

Default factory setting: CCW.

Direction of rotation can be change by toggling between CW/ CCW switch on the actuator's housing.



WIRING DIAGRAM NABM...05 PARALLEL CONNECTION



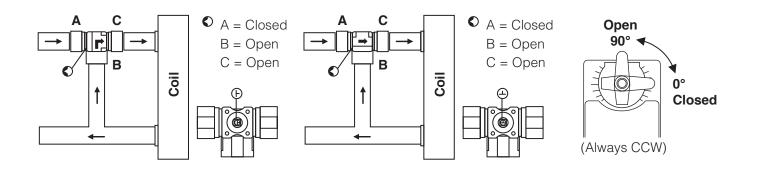
REMARK

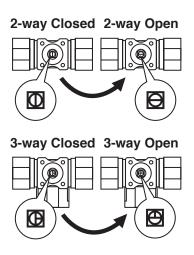
During parallel operation, the output signal (terminal 6, DC 0...10 V) of the master actuator must be connected to terminal 5 of the next slave actuator.

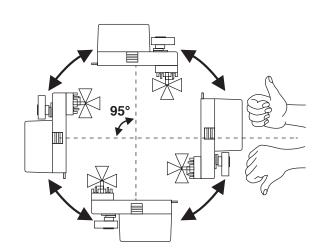


MIXING OPEN

ACTUATOR POSITION







IMPORTANT REMARK

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This actuator includes electrical and electronic components and may not be disposed as household garbage. Please consider the local valid legislation.



AC / DC 24 V: AC 230 V: Connect via safety isolating transformer.

To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3mm contact gap.)



2 Point & 3 Point Control 10 Nm



2 Point & 3 Point Control 10 Nm



NABA...10 (S1) HN SERIES

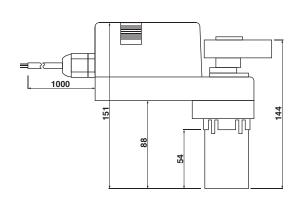
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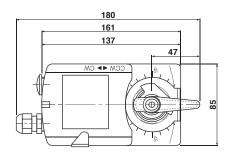
PRODUCT FEATURE

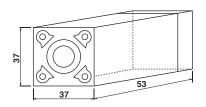
- Torque 10 Nm
- Valve size DN40(1½") / DN50(2")
- Power supply AC/DC 24 V and AC 230 V
- Shaft dimensions □ 9.0 mm (fixed)
- Selectable direction of rotation of reversing actuator
- Actuator with 1 m cable connection
- Optional 1 Adjustable SPDT auxiliary switches

MODEL / TYPE	TORQUE	POWER SUPPLY	RUNNING TIME	AUXILIARY SWITCH
NABA 1-10 HN	10 Nm	AC/DC 24 V ± 10%	100120 sec	-
NABA 1-10S1 HN	10 Nm	AC/DC 24 V ± 10%	100120 sec	1 x SPDT (Adjustable)
NABA 2-10 HN	10 Nm	AC 230 V ± 10%	100120 sec	-
NABA 2-10S1 HN	10 Nm	AC 230 V ± 10%	100120 sec	1 x SPDT (Adjustable)





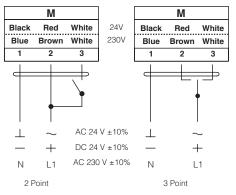




MODEL NUMBER	NABA 1-10 (S1) HN	NABA 2-10 (S1) HN	
TORQUE	10 Nm	10 Nm	
VALVE SIZE	DN40(1½") / DN50(2")	DN40(1½") / DN50(2")	
SHAFT DIMENSION	□ 9.0 mm (fixed)	☐ 9.0 mm (fixed)	
POWER SUPPLY	AC/DC 24 V ± 10%	AC 230 V ± 10%	
FREQUENCY	5060 Hz	5060 Hz	
CONTROL SIGNAL	2 & 3 point control	2 & 3 point control	
POWER CONSUMPTION			
OPERATING	6.0 W	6.0 W	
END POSITION	4.0 W	4.0 W	
FOR WIRE SIZING	6.5 VA	6.5 VA	
ELECTRICAL CONNECTION	1 m Cable	1 m Cable	
AUXILIARY SWITCH RATING	3 (1.5) A, AC 250 V	3 (1.5) A, AC 250 V	
PROTECTION CLASS	Class III ⊕	Class II 🗆	
ANGLE OF ROTATION	90° (95° mechanical)	90° (95° mechanical)	
WEIGHT	< 1.1 Kg	< 1.2 Kg	
LIFE CYCLE	60,000 Rotation	60,000 Rotation	
SOUND LEVEL	40 dB	40 dB	
IP PROTECTION	IP54	IP54	
OPERATING TEMPERATURE	-20°50° as per IEC 721-3-3	-20°50° as per IEC 721-3-3	
NON-OPERATING TEMPERATURE	-30°+60° C / IEC 721-3-2	-30°+60° C / IEC 721-3-2	
AMBIENT HUMIDITY	5%95% rH non condensing / EN	5%95% rH non condensing / EN	
MAINTENANCE	Maintenance Free	Maintenance Free	
MODE OF OPERATION	Type I / EN 60730-1	Type I / EN 60730-1	
EMC	CE & ISO 9000 EN / EEC	CE & ISO 9000 EN / EEC	

2 Point & 3 Point Control 10 Nm

WIRING DIAGRAM NABA...10 (S1) HN POWER SUPPLY AC/DC 24V / AC 230V

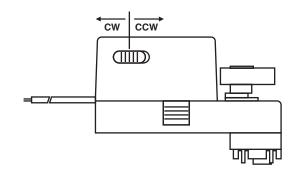


↑ Connect via safety isolating transformer

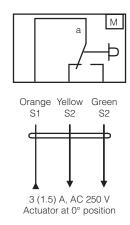
DIRECTION OF ROTATION NABA...10 (S1) HN

Default factory setting: CCW.

Direction of rotation can be change by toggling between CW/ CCW switch on the actuator's housing.



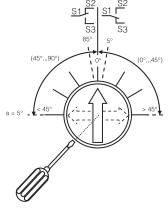
WIRING DIAGRAM NABA...10 (S1) HN AUXILIARY SWITCH



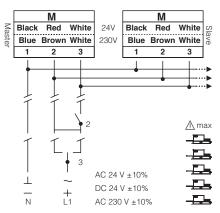
AUXILIARY SWITCH NABA...10 (S1) HN

Switch a factory-set at 5°.

The auxiliary switch can be optimally adjusted between 0°...90°.



WIRING DIAGRAM NABA...10 (S1) HN PARALLEL CONNECTION



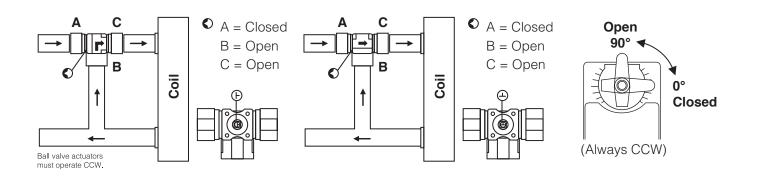
REMARK

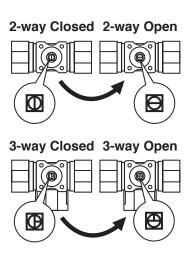
Parallel connection of NABA...10 (S1) HN actuators are limited to 5. Power consumption must be observe.

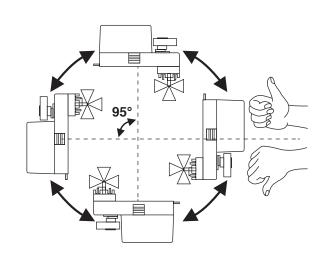


MIXING OPEN

ACTUATOR POSITION







IMPORTANT REMARK

For special requirement, consult your local Nenutec's representative.



This actuator includes electrical and electronic components and may not be disposed as household garbage. Please consider the local valid legislation.



Connect via safety isolating transformer.

To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3mm contact gap.)



Modulating Control 10 Nm



Modulating Control
10 Nm



NABM...10 HN (S1) SERIES

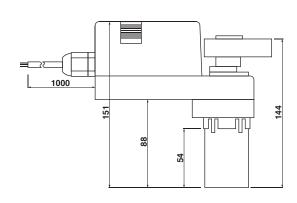
NABM series standard valve actuators are especially designed and produced for applications in the HVAC systems. Our wide range of standard valve actuators has been developed to operate and position ball valves of different sizes.

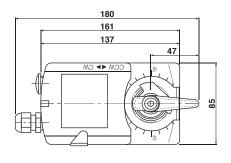
PRODUCT FEATURE

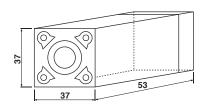
- Torque 10 Nm
- Valve size DN40(1½") / DN50(2")
- Power supply AC/DC 24 V / AC2 30V
- Control Modulating DC 0(2)...10 V & DC 0(4)...20 mA
- Shaft dimensions □ 9.0 mm (fixed)
- Selectable direction of rotation of reversing actuator
- Actuator with 1 m cable connection
- Optional 1 Adjustable SPDT auxiliary switch

MODEL / TYPE	TORQUE	POWER SUPPLY	RUNNING TIME	AUXILIARY SWITCH
NABM 1.1-10 HN	10 Nm	AC/DC 24 V ± 10%	100150 sec	-
NABM 1.1-10S1 HN	10 Nm	AC/DC 24 V ± 10%	100150 sec	1 x SPDT (Adjustable)





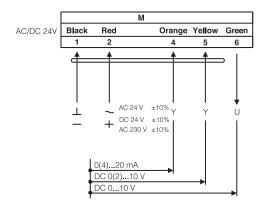




MODEL NUMBER	NABM 1.1-10 (S1) HN
TORQUE	10 Nm
VALVE SIZE	DN40(1½") / DN50(2")
SHAFT DIMENSION	□ 9.0 mm (fixed)
POWER SUPPLY	AC/DC 24 V ± 10%
FREQUENCY	5060 Hz
CONTROL SIGNAL (INPUT)	DC 0(2)10 V / 0(4)20 mA
POSITION SIGNAL (OUTPUT)	DC 010 V
POWER CONSUMPTION	
OPERATING	6.0 W
END POSITION	4.0 W
FOR WIRE SIZING	6.5 VA
ELECTRICAL CONNECTION	1 m Cable
AUXILIARY SWITCH RATING	3 (1.5) A, AC 250 V
PROTECTION CLASS	Class III 🐠
ANGLE OF ROTATION	90° (95° mechanical)
WEIGHT	< 1.1 Kg
LIFE CYCLE	60,000 Rotation
SOUND LEVEL	40 dB
IP PROTECTION	IP54
OPERATING TEMPERATURE	-20°50° as per IEC 721-3-3
NON-OPERATING TEMPERATURE	-30°+60° C / IEC 721-3-2
AMBIENT HUMIDITY	5%95% rH non condensing / EN
MAINTENANCE	Maintenance Free
MODE OF OPERATION	Type I / EN 60730-1
ЕМС	CE & ISO 9000 EN / EEC

Modulating Control
10 Nm

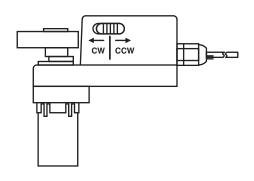
WIRING DIAGRAM NABM...10 (S1) HN POWER SUPPLY AC/DC 24V



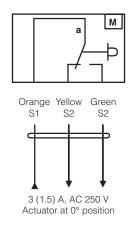
DIRECTION OF ROTATION NABM...10 (S1) HN

Default factory setting: CCW.

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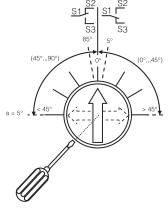
WIRING DIAGRAM NABM...10 (S1) HN AUXILIARY SWITCH



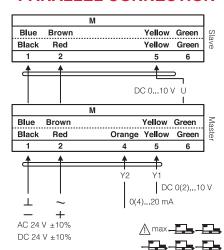
AUXILIARY SWITCH NABM...10 (S1) HN

Switch a factory-set at 5°.

The auxiliary switch can be optimally adjusted between 0°...90°.



WIRING DIAGRAM NABM...10 (S1) HN PARALLEL CONNECTION



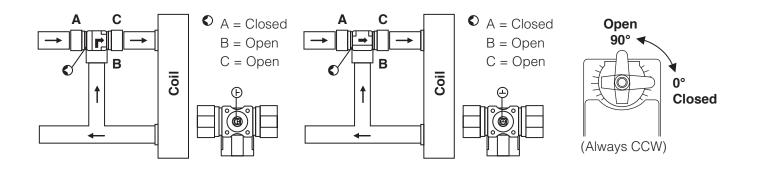
REMARK

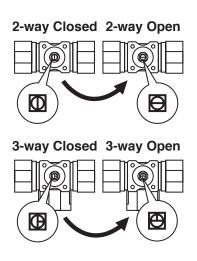
During parallel operation, the output signal (terminal 6, DC 0...10 V) of the master actuator must be connected to terminal 5 of the next slave actuator.

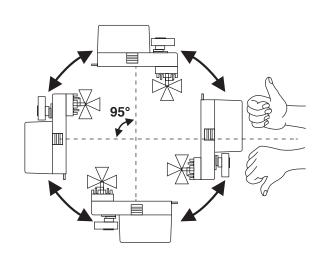


MIXING OPEN

ACTUATOR POSITION







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