NP/NAP/NVP

Large flow rate 3 port valve

■ For air and low vacuum

Overview

Large flow rate 3 port valve incorporating a high seal poppet structure.
Internal pilot type NP Series suitable for driving cylinders up to ϕ400. External pilot type NAP/NVP Series for use with both positive pressure and negative pressure (vacuum). Two series have been prepared to match all applications.

Features

Two series for all applications
- Internal pilot type NP series
  NC (normally closed) type,
  NO (normally open) type
- External pilot type NAP, NVP series
  (Universal type)

Compact, light weight design

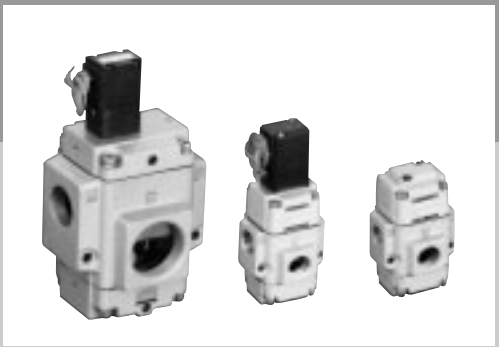
Large flow rate
(Effective sectional area to 630mm²)

Pre-lubricated

Free installation attitude

Positive or negative pressure possible with the external pilot type

Poppet structure



CONTENTS

⚠ Always read the precautions on Introduction and Page 498 before starting use.

Safety precautions

Always read this section before starting use.

Large flow rate 3 port valve NP/NAP/NVP

Design & Selection

⚠ WARNING

1 Working environment

(1) The NP, NVP series cannot be used in an environment containing flammable gases. Change the model to the NAP series when using in a flammable gas environment, and provide the separate explosion proof solenoid valve on the pilot air circuit.

(2) If there are high levels of dust in the area, provide protection by installing a silencer or an elbow joint facing downward onto the exhaust port so that dust does not enter.

⚠ CAUTION

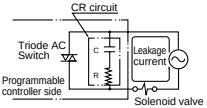
1 Extreme dry air

The inside of the valve is initially lubricated with grease. This valve may not be appropriate if an extreme dry air quality is required to the end of the circuit.

2 Leakage current from other fluid control components

When operating the solenoid valve with a programmable controller, etc., confirm that the leak current output from the programmable controller is within the following specifications.

Failure to observe this could lead to malfunctions.



Port size \ Voltage	100 VAC	200 VAC	24 VDC
10 to 25A	3 (6) mA or less	1.5 (3) mA or less	1.8 (3) mA or less
32 to 50A	6 mA or less	3 mA or less	1mA or less

Note that the values given in parentheses are for when a surge suppressor is installed.

3 External pilot air

(1) Drain countermeasures - The compressed air contains high levels of drain (water, oxidized oil, tar, foreign matter) which can cause the reliability of pneumatic components to drop remarkably. These could cause the pneumatic component's reliability to drop remarkably. As a measures against drain, dehumidify with an after cooler dryer, remove foreign substances with a filter, and remove tar with a tar removal filter, and improve the air quality (clean air).

(2) Pre-lubricated - This Series can be used with a pre-lubricated specifications, so the lubricator is not required. However, once lubrication has been started, continuously lubricate so that the lubricator is not spent. When lubricating, use turbine oil Class 1 ISO VG32 (#90) or the equivalent.

(3) Filter - Install a filter with a 5 μm or less filter element.

4 Min. working pressure diff.

The pressure must be more than 0.2MPa to operate the NP series. If the piping section area at the fluid supply port is decreased, the operation may become unstable due to the drop in pressure when the valve operates.

Installation, Piping, Wiring

⚠ CAUTION

1 Piping

(1) Refer to the following table for the pilot air piping tightening torque. (Only for NVP, NAP)

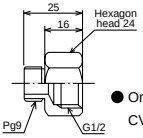
Piping nominal diameter	Recommended piping tightening torque (N・m)
Rc1/8	7 to 9

(2) Do not pipe using the solenoid valve section. There is a risk of damage. (Only for NP, NVP)

2 Wiring (for NP, NVP)

(1) Refer to the connection method given on page 47 in the introduction when wiring to the DIN terminal box or T-type terminal box.

(2) When changing the nominal thread size from Pg9 to G1/2 for the DIN terminal box's junction box outlets, use the optional connector shown below.



● Order model no.:
CVS2-CONNECTOR-F4-202936

(3) The coil direction can be changed by 180˚.
To reverse the electrical connection direction, rotate only the coil. The valve will not function if the pilot solenoid valve's body is moved.

When Using

⚠ CAUTION

1 Vacuum - The NVP and NAP series can be used for either negative pressures (vacuum) or positive pressures. As a balance poppet valve structure is incorporated, a pressurized or vacuum connection can be made from any port.

2 Transfer circuit - When using the vacuum absorbing pad (suction pad) for the transfer circuit, install a filter between the suction pad and valve so that foreign matter does not enter the valve. Failure to provide such measures could lead to leaks.

3 Leaving under elevated pressure - If the valve is left in the elevated pressure state for more than three days, the starting response could be delayed.

4 Response time - The response times given in the catalog are the time when energized in the pre-lubricated state at a 0.5MPa pressure.

Maintenance

⚠ CAUTION

1 Pilot solenoid valve (for NP, NVP)

Port size 10A to 25A

The CVS2 pilot solenoid valve (actuator assembly kit):
CSV2-B-0 [*1] - (Rated voltage is mounted.)
If the pilot solenoid valve has been disassembled refer to page 704 for the assembly procedures.

Port size 32A to 50A.

The just fit valve: GFAG41-1-0-1 [*1] N- [*2] is mounted.
The tightening torque for the coil assembly screw is 1.1 to 1.8Nm when disassembling or assembling.

After disassembly, assembly the manual operation section (green) onto the port A side of the main body.

Note: Indicate the coil housing symbol for [*1],
and the rated voltage symbol for [*2].

Internal pilot operated 3 port valve with solenoid valve

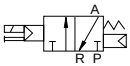
NP13/NP14 Series

- NC (normally closed) type, NO (normally open) type
- Port size: Rc3/8 to Rc2

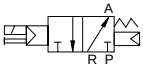
Refer to Ending 17 for more details.

JIS symbol

●NC (normally closed) type



●NO (normally open) type



Common specifications

Descriptions	NP13	NP14
Actuation	NC (normally closed) type	NO (normally open) type
Fluid pressure supply port	Port P	Port R
Working fluid	Compressed air	
Withstanding pressure MPa	1.2	
Working pressure range MPa	0.2 to 0.8	
Fluid temperature ℃	5 to 60	
Ambient temperature ℃	-5 to 60 for 10A to 25A of NP13/NP14, while -5 to 40 for 32A to 50A	
Heat proof class	B	
Lubrication	Pre-lubricated (if lubrication is required, use turbine oil class 1 ISO VG32.)	
Valve seat leakage	1 or less (at pneumatic pressure 0.2 to 0.8MPa)	
Valve structure cm^3/min	Internal pilot operated poppet valve structure	
Mounting attitude	Free	

Individual specifications

Descriptions / Model no.	Port size: Port P, A	Port size: Port R	Orifice (mm)	Response time (ms)	Rated voltage	Apparent power (VA): At holding 50Hz	Apparent power (VA): At holding 60Hz	Apparent power (VA): At starting 50Hz	Apparent power (VA): At starting 60Hz	Power consumption (W): AC 50/60Hz	Power consumption (W): DC	Weight (kg)
NC (normally closed) type (port P pressurized)												
NP13-10A	Rc3/8	Rc1/2	14.8 or equivalent	30 or less (*1)	100, 200 VAC (50/60 Hz) 110, 220 VAC (60 Hz) 24 VDC	3.9	3.1	9.2	7.2	2.0/1.7	4	0.7
NP13-15A	Rc1/2											0.7
NP13-20A	Rc3/4	Rc1	25.4 or equivalent	60 or less (*1)								1.5
NP13-25A	Rc1											1.5
NP13-32A	Rc1 1/4	Rc2	41.4 or equivalent	120 or less (*1)		15	11	40	35	7.5/6.0	8	4.5
NP13-40A	Rc1 1/2											4.5
NP13-50A	Rc2											4.4
NO (normally open) type (Port R pressurized)												
NP14-10A	Rc3/8	Rc1/2	14.8 or equivalent	30 or less (*1)	100, 200 VAC (50/60 Hz) 110, 220 VAC (60 Hz) 24 VDC	3.9	3.1	9.2	7.2	2.0/1.7	4	0.7
NP14-15A	Rc1/2											0.7
NP14-20A	Rc3/4	Rc1	25.4 or equivalent	60 or less (*1)								1.5
NP14-25A	Rc1											1.5
NP14-32A	Rc1 1/4	Rc2	41.4 or equivalent	120 or less (*1)		15	11	40	35	7.5/6.0	8	4.5
NP14-40A	Rc1 1/2											4.5
NP14-50A	Rc2											4.4

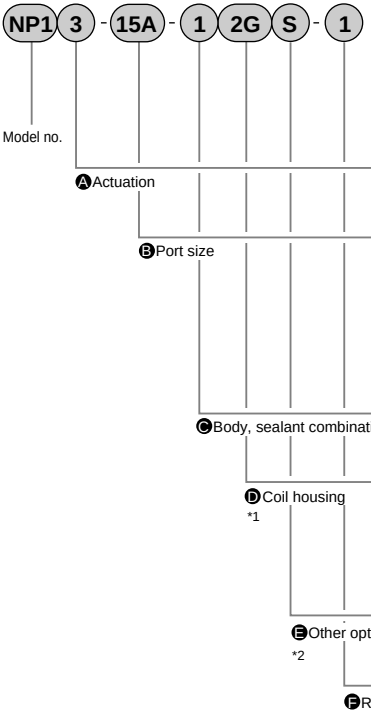
*1: Response time shows the value where 0.5MPa supply pressure, pre-lubricated and turned ON.
The value changes depending on the quality of the pressure and supplied oil.
*2: Allowable voltage range should be within ±10% of rated voltage.

Flow characteristics

Model no.	P → A				A → R			
	C[dm³/(s•bar)]	b	Cv flow factor	S (mm²)	C[dm³/(s•bar)]	b	Cv flow factor	S (mm²)
NC (normally closed) type (port P pressurized)								
NP13-10A	15	0.31	3.4	-	16	0.28	3.4	-
NP13-15A	18	0.29	3.6	-	17	0.26	3.6	-
NP13-20A	35	0.27	8.4	-	41	0.21	8.6	-
NP13-25A	-	-	8.6	200	-	-	9.0	210
NP13-32A	-	-	25.8	600	-	-	26.2	610
NP13-40A	-	-	27.0	630	-	-	26.6	620
NP13-50A	-	-	28.2	660	-	-	27.0	630
Model no.	R → A				A → P			
	C[dm³/(s•bar)]	b	Cv flow factor	S (mm²)	C[dm³/(s•bar)]	b	Cv flow factor	S (mm²)
NO (normally open) type (Port R pressurized)								
NP14-10A	15	0.31	3.4	-	15	0.33	3.4	-
NP14-15A	17	0.30	3.6	-	18	0.31	3.6	-
NP14-20A	41	0.21	8.4	-	35	0.27	8.6	-
NP14-25A	-	-	8.6	210	-	-	9.0	200
NP14-32A	-	-	25.8	610	-	-	26.2	600
NP14-40A	-	-	27.0	620	-	-	26.6	630
NP14-50A	-	-	28.2	630	-	-	27.0	660

*1: Effective sectional area S and sonic conductance C are converted as S ≒ 5.0 x C.

How to order



Symbol	Descriptions	
Ⓐ Actuation		
3	NC (normally closed) type	
4	NO (normally open) type	
Ⓑ Port size		
10A	Rc3/8	
15A	Rc1/2	
20A	Rc3/4	
25A	Rc1	
32A	Rc1 1/4	
40A	Rc1 1/2	
50A	Rc2	
Ⓒ Body, sealant combination		
	Body	Material
1	Aluminum	Nitrile rubber
Ⓓ Coil housing		
2C	Standard	Grommet coil
2G	Option	DIN terminal box (Pg screw)
2H	Option	DIN terminal box + light (Pg screw)
3T	Option	T terminal box (G1/2)
3R	Option	T type terminal box + light (G1/2)
Ⓔ Other options		
Blank	No options	
S	Surge suppressor	
Ⓕ Rated voltage		
1	Standard	100 VAC (50/60Hz), 110 VAC (60Hz)
2	Standard	200 VAC (50/60 Hz), 220 VAC (60 Hz)
3	Standard	24 VDC
AC110V	Custom order	110 VAC (50/60 Hz)
AC220V	Custom order	220 VAC (50/60 Hz)

<Example of model number>

NP13-15A-12GS-1

Series: NP

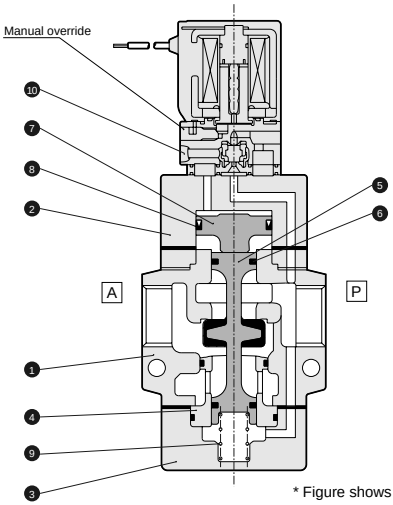
Ⓐ Actuation : NC (normally closed) type
Ⓑ Port size : Rc1/2
Ⓒ Body, sealant combination
: Body - aluminum, sealant - nitrile rubber
Ⓓ Coil housing : DIN terminal box
Ⓔ Other options : surge suppressor
Ⓕ Voltage : 100 VAC (50/60Hz), 110 VAC (60Hz)

⚠ Note on model no. selection

*1: Pg screw of a DIN terminal box is Pg9 when port size 10A to 25A, while Pg11 when 32A to 50A.
*2: When using the grommet coil specifications, the surge suppressor is enclosed with the port size 10A to 25, and is incorporated for the port size 32A to 50A.
When using the coil with terminal box, the surge suppressor is mounted in the terminal box.
*3: Manual override (non-locking) is equipped as standard.

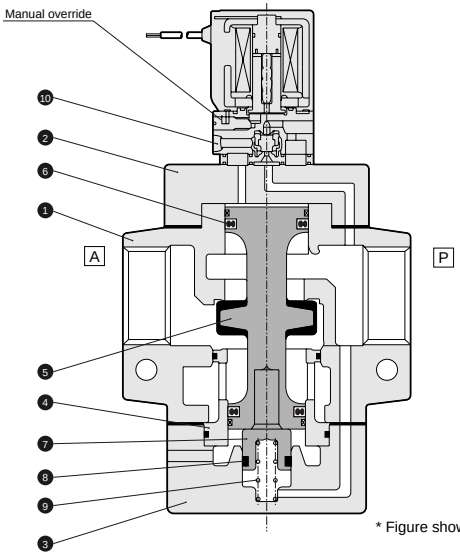
Internal structure and main parts materials

● NP$^{13}_{14}$-10A/15A



* Figure shows NP13.

● NP$^{13}_{14}$-20A to 50A



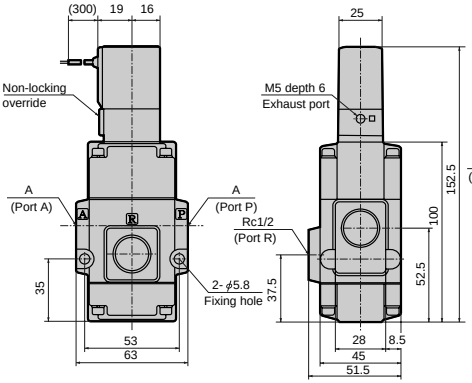
* Figure shows NP13.

No.	Parts name	Material	
1	Body	AC4C	Aluminum die casting
2	Stuffing	AC4C	Aluminum die casting
3	Cap	AC4C	Aluminum die casting
4	Valve seat	C3604	Brass
5	Valve stem	NBR, A2017	Nitrile rubber, aluminum

No.	Parts name	Material	
6	Packing	NBR	Nitrile rubber
7	Piston	POM	Acetar resin
8	MY packing seal	NBR	Nitrile rubber
9	Spring	SUS304	Stainless steel
10	Pilot solenoid valve	-	-

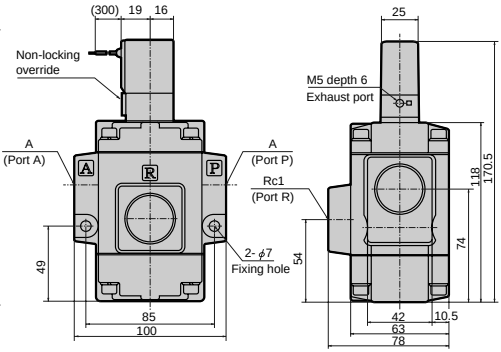
Dimensions CAD (Page 515)

● Grommet coil
NP$^{13}_{14}$-10A/15A-12C



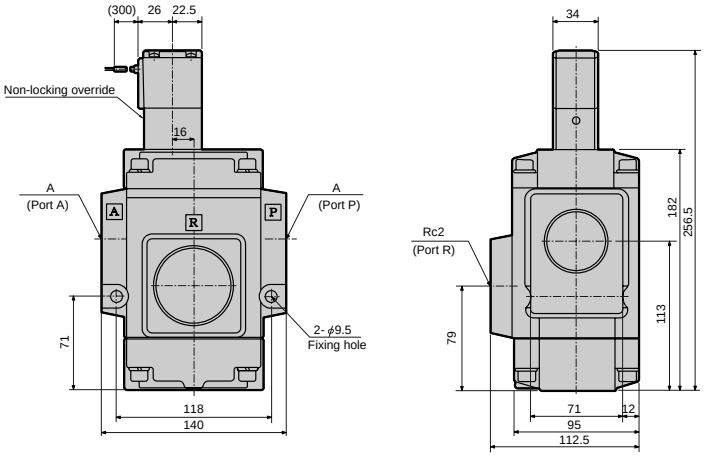
Model no.	A
NP1*-10A-1**	Rc3/8
NP1*-15A-1**	Rc1/2

● Grommet coil
NP$^{13}_{14}$-20A/25A-12C



Model no.	A
NP1*-20A-1**	Rc3/4
NP1*-25A-1**	Rc1

● Grommet coil
NP$^{13}_{14}$-32A/40A/50A-12C



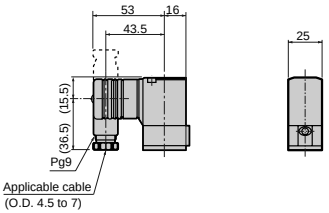
Model no.	A
NP1*-32A-1**	Rc1 1/4
NP1*-40A-1**	Rc1 1/2
NP1*-50A-1**	Rc2

Optional dimensions

CAD (Page 515)

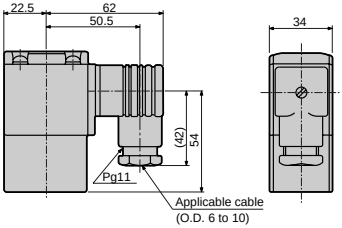
● DIN terminal box (Pg9)

NP^{13}_{14}-10A/15A/20A/25A-1 [2G 2H]



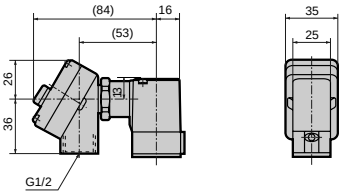
● DIN terminal box (Pg11)

NP^{13}_{14}-32A/40A/50A-1 [2G 2H]



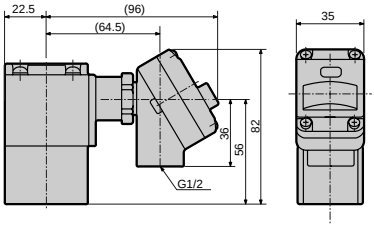
● T terminal box (G1/2)

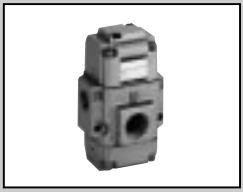
NP^{13}_{14}-10A/15A/20A/25A-1 [3T 3R]



● T terminal box (G1/2)

NP^{13}_{14}-32A/40A/50A-1 [3T 3R]





Air operated 3 port valve

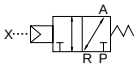
NAP11 Series

- Universal type
- Port size: Rc3/8 to Rc2

CAD

JIS symbol

- Universal type



Common specifications

Descriptions	NAP11
Actuation	Universal type
Working fluid	Compressed air, low vacuum
Withstanding pressure MPa	1.2
Working pressure range MPa	0 to 0.8 (1.3 x 10^2 to 8 x 10^5Pa (abs) when using with vacuum)
Fluid temperature ℃	5 to 60
Ambient temperature ℃	-5 to 60
Lubrication	Pre-lubricated (if lubrication is required, use turbine oil class 1 ISO VG32.)
Valve seat leakage cm^3/min	1 or less (at pneumatic pressure 0.02 to 0.8MPa)
Valve structure	External pilot operated poppet valve structure
Mounting attitude	Free
Pilot air pressure MPa	0.35 to 0.7
Pilot port size (port X)	Rc1/8

Individual specifications

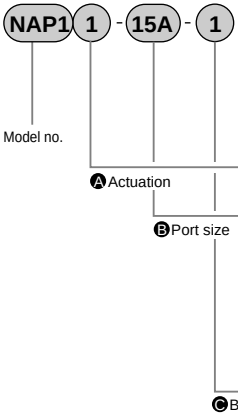
Descriptions / Model no.	Port size: Port P, A	Port size: Port R	Orifice (mm)	Response time (ms)	Weight (kg)
NAP11-10A	Rc3/8	Rc1/2	14.8 or equivalent	30 or less (*1)	0.6
NAP11-15A	Rc1/2				0.6
NAP11-20A	Rc3/4	Rc1	25.4 or equivalent	60 or less (*1)	1.4
NAP11-25A	Rc1				1.4
NAP11-32A	Rc1 1/4	Rc2	41.4 or equivalent	120 or less (*1)	4.2
NAP11-40A	Rc1 1/2				4.2
NAP11-50A	Rc2				4.1

*1: Response time shows the value where 0.5MPa supply pressure, pre-lubricated and turned ON.
The value changes depending on the quality of the pressure and supplied oil.

Flow characteristics

Model no.	P → A				A → R			
	C[dm^3/(s•bar)]	b	Cv flow factor	S (mm^2)	C[dm^3/(s•bar)]	b	Cv flow factor	S (mm^2)
NAP11-10A	15	0.31	3.4	-	16	0.28	3.4	-
NAP11-15A	18	0.29	3.6	-	17	0.26	3.6	-
NAP11-20A	35	0.27	8.4	-	41	0.21	8.6	-
NAP11-25A	-	-	8.6	200	-	-	9.0	210
NAP11-32A	-	-	25.8	600	-	-	26.2	610
NAP11-40A	-	-	27.0	630	-	-	26.6	620
NAP11-50A	-	-	28.2	660	-	-	27.0	630

How to order



Symbol	Descriptions
A Actuation	
1	Universal type
B Port size	
10A	Rc3/8
15A	Rc1/2
20A	Rc3/4
25A	Rc1
32A	Rc1 1/4
40A	Rc1 1/2
50A	Rc2

C Body, sealant combination		
	Body	Material
1	Aluminum	Nitrile rubber

<Example of model number>

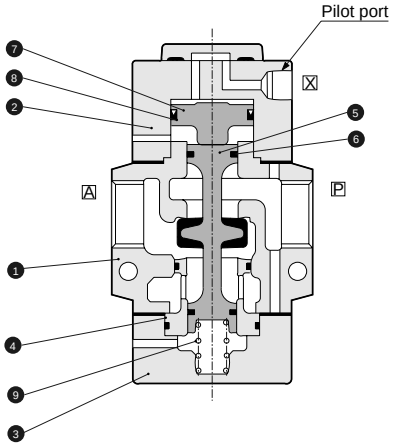
NAP11-15A-1

Series: NAP

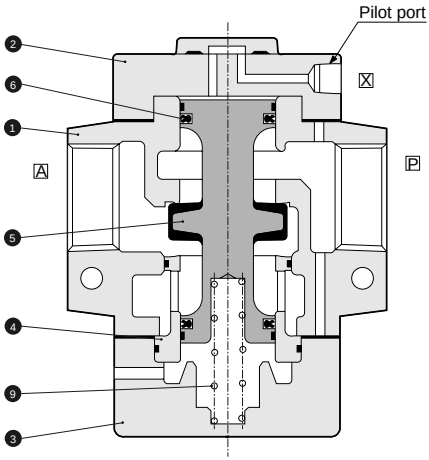
A Actuation : Universal type
B Port size : Rc1/2
C Body, sealant combination
: Body - aluminum, sealant - nitrile rubber

Internal structure and main parts materials

● NAP11-10A/15A



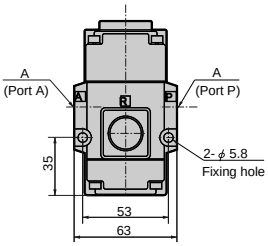
● NAP11-20A/25A/32A/40A/50A

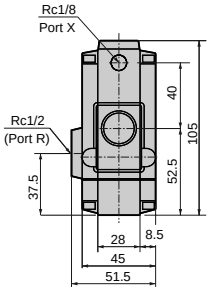


No.	Parts name	Material		No.	Parts name	Material	
1	Body	AC4C	Aluminum casting	**6**	Packing	NBR	Nitrile rubber
2	Stuffing	AC4C	Aluminum casting	**7**	Piston	POM	Acetar resin
3	Cap	AC4C	Aluminum casting	**8**	MY packing seal	NBR	Nitrile rubber
4	Valve seat	C3604	Brass	**9**	Spring	SWP	Piano wire
5	Valve stem	NBR, A2017	Nitrile rubber, aluminum				

Dimensions (Page 515)

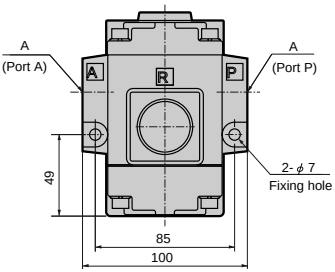
● NAP11-10A/15A-1

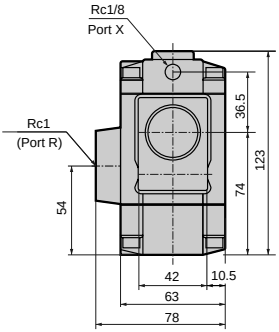




Model no.	A
NAP11-10A-1	Rc3/8
NAP11-15A-1	Rc1/2

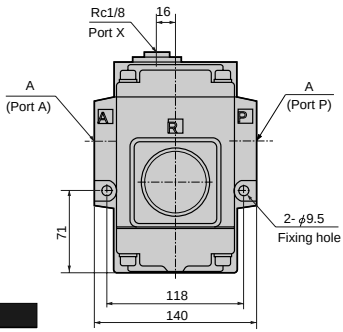
● NAP11-20A/25A-1

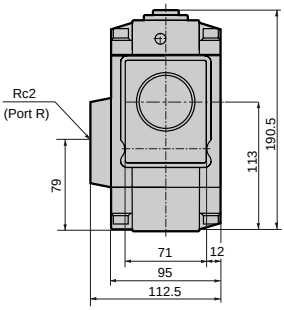




Model no.	A
NAP11-20A-1	Rc3/4
NAP11-25A-1	Rc1

● NAP11-32A/40A/50A-1





Model no.	A
NAP11-32A-1	Rc1 1/4
NAP11-40A-1	Rc1 1/2
NAP11-50A-1	Rc2

Air operated 3 port valve with solenoid valve

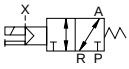
NVP11 Series

- Universal type
- Port size: Rc3/8 to Rc2

Refer to Ending 17 for more details.

JIS symbol

● Universal type



Common specifications

Descriptions	NVP11
Actuation	Universal type
Working fluid	Compressed air, low vacuum
Withstanding pressure MPa	1.2
Working pressure range MPa	0 to 0.8 (1.3 x 10^2 to 8 x 10^5Pa (abs) when using with vacuum)
Fluid temperature ℃	5 to 60
Ambient temperature ℃	-5 to 60 for 10A to 25A, while -5 to 40 for 32A to 50A.
Heat proof class	B
Lubrication	Pre-lubricated (if lubrication is required, use turbine oil class 1 ISO VG32.)
Valve seat leakage cm^3/min	1 or less (at pneumatic pressure 0.02 to 0.8MPa)
Valve structure	External pilot operated poppet valve structure
Mounting attitude	Free
Pilot air pressure MPa	0.35 to 0.7
Pilot port size (port X)	Rc1/8

Individual specifications

Descriptions / Model no.	Port size: Port P, A	Port size: Port R	Orifice (mm)	Response time (ms)	Rated voltage	Apparent power (VA): At holding 50Hz	Apparent power (VA): At holding 60Hz	Apparent power (VA): At starting 50Hz	Apparent power (VA): At starting 60Hz	Power consumption (W): AC 50/60Hz	Power consumption (W): DC	Weight (kg)
NVP11-10A	Rc3/8	Rc1/2	14.8 or equivalent	30 or less (*1)	100, 200 VAC (50/60 Hz) 110, 220 VAC (60Hz)	3.9	3.1	9.2	7.2	2.0/1.7	4	0.7
NVP11-15A	Rc1/2											0.7
NVP11-20A	Rc3/4	Rc1	25.4 or equivalent	60 or less (*1)								1.5
NVP11-25A	Rc1											1.5
NVP11-32A	Rc1 1/4	Rc2	41.4 or equivalent	120 or less (*1)	24 VDC	15	11	40	35	7.5/6.0	8	4.5
NVP11-40A	Rc1 1/2											4.5
NVP11-50A	Rc2											4.4

*1: Response time shows the value where 0.5MPa supply pressure, pre-lubricated and turned ON.
The value changes depending on the quality of the pressure and supplied oil.
*2: Allowable voltage range should be within ±10% of rated voltage.

Flow characteristics

Model no.	P → A: C[dm^3/(s•bar)]	P → A: b	P → A: Cv flow factor	P → A: S (mm^2)	A → R: C[dm^3/(s•bar)]	A → R: b	A → R: Cv flow factor	A → R: S (mm^2)
NAP11-10A	15	0.31	3.4	-	16	0.28	3.4	-
NAP11-15A	18	0.29	3.6	-	17	0.26	3.6	-
NAP11-20A	35	0.27	8.4	-	41	0.21	8.6	-
NAP11-25A	-	-	8.6	200	-	-	9.0	210
NAP11-32A	-	-	25.8	600	-	-	26.2	610
NAP11-40A	-	-	27.0	630	-	-	26.6	620
NAP11-50A	-	-	28.2	660	-	-	27.0	630

*1: Effective sectional area S and sonic conductance C are converted as S ≒ 5.0 x C.

How to order

NVP1 1 - 15A - 1 2G S - 1

Model no.

Ⓐ Actuation

Ⓑ Port size

Ⓒ Body, sealant combination

Ⓓ Coil housing *1

Ⓔ Other options *2

Ⓕ Rated voltage

Symbol		Descriptions
Ⓐ Actuation		
1		Universal type
Ⓑ Port size		
10A		Rc3/8
15A		Rc1/2
20A		Rc3/4
25A		Rc1
32A		Rc1 1/4
40A		Rc1 1/2
50A		Rc2

Ⓒ Body, sealant combination		
	Body	Sealant
1	Aluminum	Nitrile rubber

Ⓓ Coil housing		
2C	Standard	Grommet coil
2G	Option	DIN terminal box (Pg screw)
2H	Option	DIN terminal box + light (Pg screw)
3T	Option	T terminal box (G1/2)
3R	Option	T terminal box + light (G1/2)

Ⓔ Other options	
Blank	No options
S	Surge suppressor

Ⓕ Rated voltage		
1	Standard	100 VAC 50/60Hz, 110 VAC 60Hz
2	Standard	200 VAC 50/60Hz, 220 VAC 60Hz
3	Standard	24 VDC
110 VAC	Custom order	110 VAC 50/60Hz
220 VAC	Custom order	220 VAC 50/60Hz

<Example of model number>

NVP11-15A-12GS-1

Series: NVP

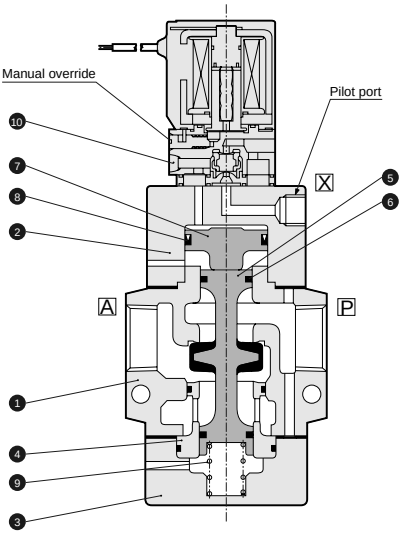
Ⓐ Actuation : Universal type
Ⓑ Port size : Rc1/2
Ⓒ Body, sealant combination
: Body - aluminum, sealant - nitrile rubber
Ⓓ Coil housing : DIN terminal box
Ⓔ Other options : surge suppressor
Ⓕ Voltage : 100 VAC 50/ 60Hz, 110 VAC 60Hz

⚠ Note on model no. selection

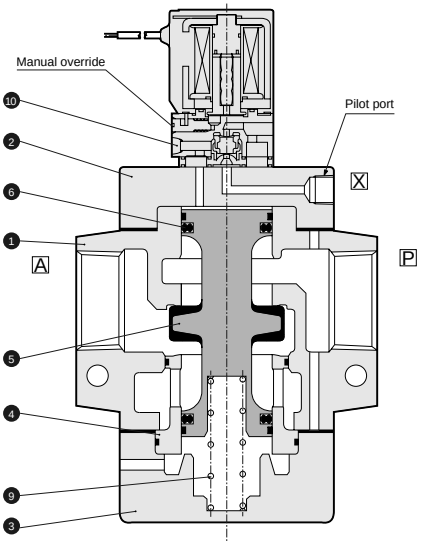
*1: Pg screw of a DIN terminal box is Pg9 when port size 10A to 25A, while Pg11 when 32A to 50A.
*2: When using the grommet coil specifications, the surge suppressor is enclosed with the port size 10A to 25, and is incorporated for the port size 32A to 50A.
When using the coil with terminal box, the surge suppressor is mounted in the terminal box.
*3: Manual override (non-locking) is equipped as standard.

Internal structure and main parts materials

● NVP11-10A/15A



● NVP11-20A/25A/32A/40A/50A

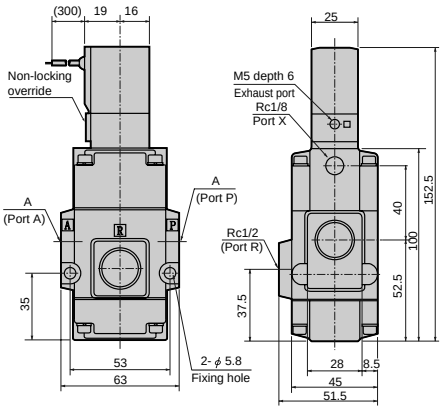


No.	Parts name	Material		No.	Parts name	Material	
1	Body	AC4C	Aluminum casting	**6**	Packing	NBR	Nitrile rubber
2	Stuffing	AC4C	Aluminum casting	**7**	Piston	POM	Acetar resin
3	Cap	AC4C	Aluminum casting	**8**	MY packing seal	NBR	Nitrile rubber
4	Valve seat	C3604	Brass	**9**	Spring	SWP	Piano wire
5	Valve stem	NBR, A2017	Nitrile rubber, aluminum	**10**	Pilot solenoid valve	-	-

Dimensions CAD (Page 515)

● Grommet coil

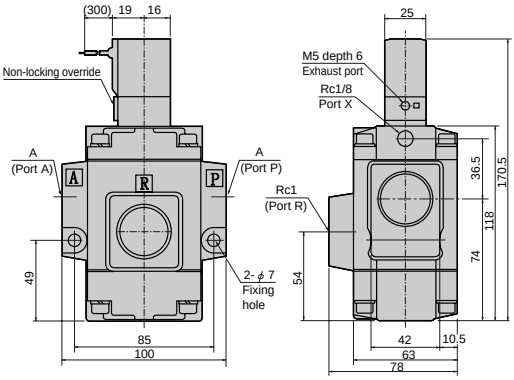
NVP11-10A/15A-12C



Model no.	A
NVP11-10A-1**	Rc3/8
NVP11-15A-1**	Rc1/2

● Grommet coil

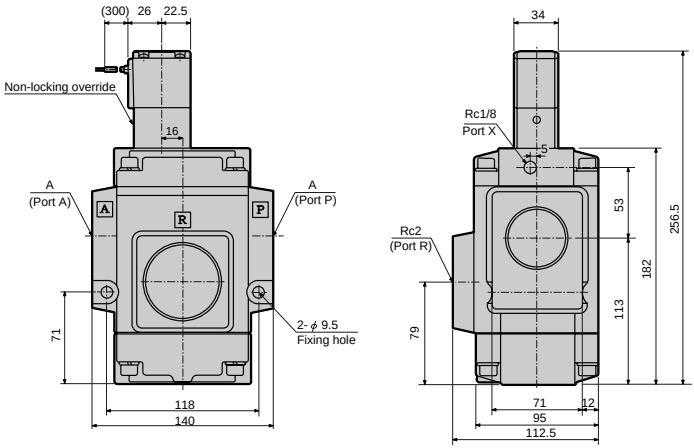
NVP11-20A/25A-12C



Model no.	A
NVP11-20A-1**	Rc3/4
NVP11-25A-1**	Rc1

● Grommet coil

NVP11-32A/40A/50A



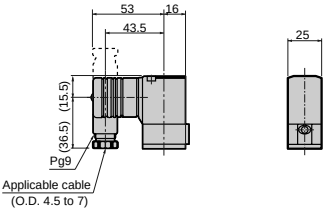
Model no.	A
NVP11-32A-1**	Rc1 1/4
NVP11-40A-1**	Rc1 1/2
NVP11-50A-1**	Rc2

Optional dimensions

CAD (Page 515)

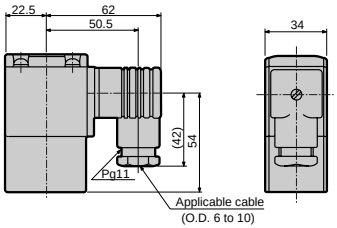
● DIN terminal box (Pg9)

NVP11-10A/15A/20A/25A-1 | 2G / 2H



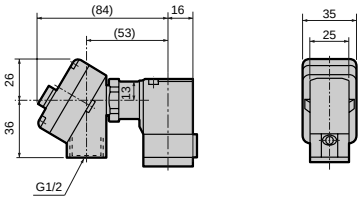
● DIN terminal box (Pg11)

NVP11-32A/40A/50A-1 | 2G / 2H



● T terminal box (G1/2)

NVP11-10A/15A/20A/25A-1 | 3T / 3R



● T terminal box (G1/2)

NVP11-32A/40A/50A-1 | 3T / 3R