

NP/NAP/NVP

3 port large flow rate valve

Pilot operated solenoid valve / external pilot air operated poppet valve

Overview

This 3 port large flow valve has a high-seal poppet.

Two types are available based on your application. The internal pilot NP Series is suitable for driving cylinders up to $\varnothing 400$. The external pilot NAP and NVP Series can be used for either positive or negative pressure (vacuum).

Features

2 types are available according to applications.

- Internal pilot operated type NP Series
 - N.C. (normally closed) type,
 - N.O. (normally open) type
- External pilot type NAP/NVP Series
 - Universal type

Compact, lightweight design
large flow

(effective sectional area to
630 mm²)

Oil-free available

Random installation
direction

External pilot usable with
positive or negative
pressure

Poppet structure



CONTENTS

Series variation	1130
Variation of electric connection (electric connection method / circuit diagram)	1131
⚠ Safety precautions	1132
3 port large flow rate valve	
● 3 port internal pilot operated solenoid valve N.C./N.O. (NP13/14)	1136
● 3 port external pilot operated air operated valve UNI (NAP11)	1142
● 3 port external pilot operated solenoid valve UNI (NVP11)	1146
Technical data	
(1) How to wire terminal box	1151
(2) Solenoid actuator assembly procedures	1153

⚠ Refer to the safety precautions on Introduction and page 1132 before starting use.

MN3E0
MN4E0
4GA/B
M4GA/B
MN4GA/B
4GA/B (Master)
W4GA/B2
W4GB4
MN3S0
MN4S0
4TB
4L2-4/ LMF0
4SA/B0
4SA/B1
4KA/B
4F
PV5G/ CMF
PV5/ CMF
3MA/B0
3PA/B
P/M/B
NP/NAP/ NVP
4F*0E
HMV HSV
2QV 3QV
SKH
PCD/ FS/FD
Ending