

Nugget 30 Series Valves

Nugget 30

5/2 and 5/3-Position V02 Valves

Multipole and electrical wireway for easy installation

Cv of .27 from 10 mm body width

Modular base system for DIN rail or surface mounting

Multipole connection – ready for use

Low power solenoids with built-in LED and surge suppression

Ø 63 mm bore cylinder capability

Internal and external pilot versions

Technical data

Medium:

Compressed air, filtered to 5 µm, lubricated and non-lubricated

Mounting: Modular sub-base

Port sizes:

10-32 UNF thread (fixed length subbase)

1/8", 5/32" or 1/4" interchangeable Pneufit push-in cartridges (modular manifolding subbase)

1/4", or 3/8" interchangeable Pneufit push-in cartridges, supply and exhaust on end plates

Note: Metric Tubing Push-In Cartridges available. See website.

Operating pressure:

Maximum 102 psig

Flow:

Size	Cv
10-32 pipe fitting	0.18
5/32" tubing	0.16
1/4" tubing	0.27

Ambient temperature:

41°F to 122°F (-15°C to +50°C).

Consult our Technical Service for use below +35°F.

Materials

Bodies: aluminum and co-polymer

Spool: aluminum

Single & rail bases: aluminum

Seals: nitrile

Springs & yoke: stainless steel

Modular bases: reinforced co-polymers

Fittings: nickel plated brass



Function	Actuation	Solenoid connection	Pilot supply	Mid position	Operating pressure (psig)	Pilot pressure (psig)	oz	Model
5/2	Solenoid/Spring & air	Side plug	Internal	–	22 ... 102	–	0.95	V025516A-B26*A
5/2	Solenoid/Spring & air	Bottom plug	Internal	–	22 ... 102	–	0.95	V025516A-B24*A
5/2	Solenoid/Spring & air	Side plug	External	–	26" Hg ... 102	22 psig	0.95	V025526A-B26*A
5/2	Solenoid/Spring & air	Bottom plug	External	–	26" Hg ... 102	22 psig	0.95	V025526A-B24*A
5/2	Solenoid/Solenoid	Side plug	Internal	–	22 ... 102	–	1.41	V025511A-B26*A
5/2	Solenoid/Solenoid	Bottom plug	Internal	–	22 ... 102	–	1.41	V025511A-B24*A
5/2	Solenoid/Solenoid	Side plug	External	–	26" Hg ... 102	22 psig	1.41	V025522A-B26*A
5/2	Solenoid/Solenoid	Bottom plug	External	–	26" Hg ... 102	22 psig	1.41	V025522A-B24*A
5/3	Solenoid/Solenoid	Side plug	Internal	APB	29 ... 102	–	1.41	V025611A-B26*A
5/3	Solenoid/Solenoid	Side plug	External	APB	26" Hg ... 102	29 psig	1.41	V025622A-B26*A
5/3	Solenoid/Solenoid	Bottom plug	External	APB	26" Hg ... 102	29 psig	1.41	V025622A-B24*A
5/3	Solenoid/Solenoid	Side plug	Internal	COE	29 ... 102	–	1.41	V025711A-B26*A
5/3	Solenoid/Solenoid	Bottom plug	Internal	COE	29 ... 102	–	1.41	V025711A-B24*A
5/3	Solenoid/Solenoid	Side plug	External	COE	26" Hg ... 102	29 psig	1.41	V025722A-B26*A
5/3	Solenoid/Solenoid	Bottom plug	External	COE	26" Hg ... 102	29 psig	1.41	V025722A-B24*A
5/3	Solenoid/Solenoid	Bottom plug	Internal	APB	29 ... 102	–	1.41	V025611A-B24*A

*Insert voltage code from table below. APB = All Ports Blocked, COE = Center Open Exhaust.

Service kits not available. Order bases and connector plugs separately. For modular sub-base assemblies contact our Technical Service.

Voltage codes

Voltage	Code
12 V d.c. (optional)	2
24 V d.c. (standard)	3

Electrical details for solenoid operators

Voltage tolerances:	±10%
Power:	1 W (24 V = 41 mA, 12 V = 83 mA)
Power indicator:	LED (red)
Surge suppressor:	Fly-wheel diode
Manual override:	Push button, spring return with locking facility
Insulation class:	B
Connection:	Side or bottom plug connector. Only one plug needed for double solenoid, common –ve*

* D sub-connector via multipole.

V01 – Nugget 30

Solenoid actuated

3-port/2-position V01 Valves



Extremely compact, high performance valves

Single and fixed length bases

Low power solenoids with built-in LED and surge suppression

Technical Data

Fluids:

Lubricated or non-lubricated compressed air, filtered to 5 microns.

Operating Pressure:

15 to 102 psig (1 to 7 bar)

Temperature Range:

41°F to 122°F (5° to 50°C)

Cv : 0.015

Port Size

10-32 UNF thread (on subbase)

Solenoid Valves

Voltages and Power Requirements:

24V DC (standard): 1W
12V DC (optional)*: 1W

Voltage Tolerances:

±10% rated voltage

Power Indicator:

LED (red)

Surge Suppressor:

Fly-wheel diode

Manual Override:

Combination locking/non-locking Coil Type:

Class B Side plug

Operation:

Direct acting poppet

Enclosure Classification:

NEMA 1

*Consult factory for delivery

Materials of Construction

Body: Aluminum and co-polymer

Single and fixed length bases: Aluminum

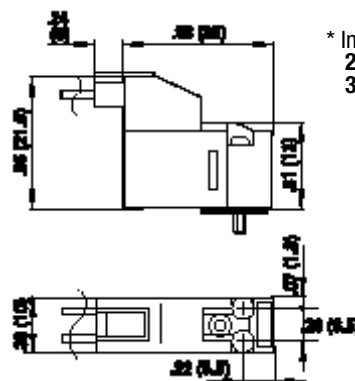
Seals: Nitrile

Springs and Yoke: Stainless Steel

Fittings: Nickel plated brass

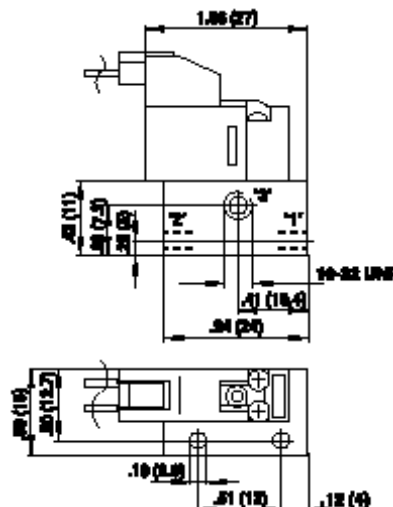


Direct Solenoid, Spring Return Subbase Mounted Valve
V015416A-B26*1 3/2 Normally Closed



* Insert voltage code
2 = 12 V DC
3 = 24 V DC

10-32 UNF Single Subbase C/P43154/1



Dimensions in inches (mm)

