

**2/2 WAY DIRECT ACTING
SOLENOID VALVE**

Automation
Simplified...



Solenoid Valve

Angle Seat Valve

Rotary Coupling

Pneumatic Directional Control Valve

Actuator

Cylinder

One Touch Fitting

Ball Valve

Butterfly Valve

Country of Origin - INDIA



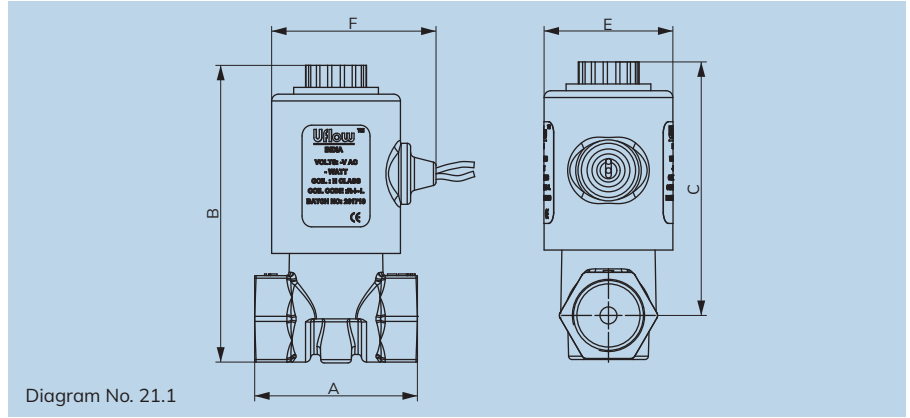
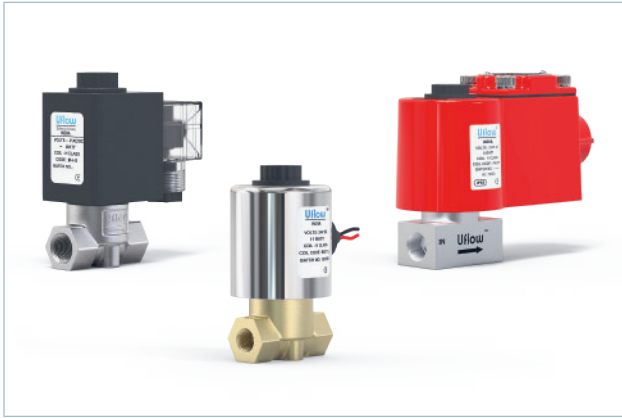
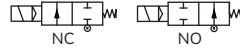


Diagram No. 21.1



Specifications

| | | | | | |
|----------------------------|---|----------------|----------------|---------------|------|
| Port : | 1/8", 1/4", 3/8" & 1/2" (Available BSP / NPT) | | | | |
| End Connection : | Screwed | | | | |
| Body Material : | SS ASTM A351 Grade CF8 / CF8M, Forged Brass, Aluminium | | | | |
| Diaphragm: | Nitrile (NBR) | EPDM | Viton (FKM) | Silicone | |
| Media Temp: | -30°C to 90°C | -10°C to 140°C | -10°C to 180°C | -10°C to 60°C | |
| Circumstance Temp : | -10°C to 70°C | | | | |
| Media : | Air, Chemical, Gas, Oil, Steam, Hot Water | | | | |
| Main Features : | Internal Parts are in superior corrosion resistance steel, (Equivalent to SS316L) Suitable for Food Industries, Pharmaceuticals, Chemical application & Highly corrosive environment. | | | | |
| Operating Voltage : | 24AC | 110AC | 230AC | 12DC | 24DC |
| Power Consumption : | 9W | 9W | 9W | 10W | 11W |
| Coil Features : | High Reliability Unaffected by Voltage Surges. Easy coil changes coil lockable in 4X90 position or freely movable in between as require. | | | | |
| Coil Housing : | IP65 Epoxy square coil, IP65 Metallic round enclosure, IP67 Flameproof enclosure, IP68 Weatherproof enclosure. | | | | |
| Optional Feature : | 90% Power saver series also available & Latching as per Application. | | | | |
| Other Specification Data : | Available on Request. - Manual Override | | | | |

NOTE: Use of filter in the inlet port is recommended.

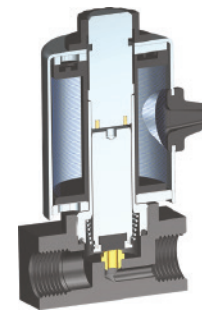
Dimension - NC (All dimensions in mm)

All Dimensions are approx.

| Model No. | Port Size | Diagram No. | A | B | C | E | F |
|-----------------|-----------|-------------|------|-----|----|----|----|
| DAN104BNEW030V0 | 1/4" | 21.1 | 44.5 | 81 | 71 | 38 | 49 |
| DBN104BNEW040V0 | 1/4" | 21.1 | 43 | 83 | 74 | 38 | 49 |
| DCN104BNEW040V0 | 1/4" | 21.1 | 43 | 83 | 74 | 38 | 49 |
| DBN704BNEW040V0 | 3/8" | 21.1 | 48 | 88 | 75 | 38 | 49 |
| DBN204BNEW040V0 | 1/2" | 21.1 | 48 | 88 | 75 | 38 | 49 |
| DCN202BNIW120V0 | 1/2" | 21.1 | 55 | 109 | 96 | 50 | 62 |
| DAN204BNIW050V0 | 1/2" | 21.1 | 53 | 102 | 88 | 50 | 62 |
| DBN004BNCW020V0 | 1/8" | 21.1 | 38 | 58 | 49 | 28 | 33 |
| DCN204BNEW040V0 | 1/2" | 21.1 | 48 | 88 | 75 | 38 | 49 |

In normally open valve dimension B&C will increase up to 8mm.

Section View



Technical Data

| Model No. | Body Material | Port Size | Orifice (mm) | | Min. Operating Pressure Kg/cm ² | Max. Operating Pressure Kg/cm ² | Seal & Diaphragm Material | Flow Factor Kv m ³ / hr | |
|-----------------|---------------|-----------|--------------|-----|--|--|---------------------------|------------------------------------|------|
| | | | NC | NO | | | | NC | NO |
| DAN113BNFW050V0 | Aluminium | 1/4" | 5 | 4 | 0 | 4 | NBR / FKM / EPDM | 0.73 | 0.54 |
| DAN104BNEW030V0 | Aluminium | 1/4" | 3 | 2.5 | 0 | 10 | NBR / FKM / EPDM | 0.20 | 0.16 |
| DAN105BNEW022V0 | Aluminium | 1/4" | 2.2 | 1.8 | 0 | 16 | NBR / FKM / EPDM | 0.16 | 0.10 |
| DAN111BNEW022V0 | Aluminium | 1/4" | 2.2 | 1.8 | 0 | 25 | NBR / FKM / EPDM | 0.16 | 0.10 |
| DAN118BNEW018V0 | Aluminium | 1/4" | 1.8 | 1.3 | 0 | 40 | NBR / FKM / EPDM | 0.10 | 0.05 |
| DAN117BNEW015V0 | Aluminium | 1/4" | 1.5 | 1.3 | 0 | 60 | NBR / FKM / EPDM | 0.07 | 0.05 |
| DAN204BNIW050V0 | Aluminium | 1/2" | 5 | NA | 0 | 10 | NBR / FKM / EPDM | 0.73 | - |

Technical Data

| Model No. | Body Material | Port Size | Orifice (mm) | | Min. Operating Pressure Kg/cm ² | Max. Operating Pressure Kg/cm ² | Seal & Diaphragm Material | Flow Factor Kv m ³ / hr | |
|-----------------|---------------|-----------|--------------|-----|--|--|---------------------------|------------------------------------|------|
| | | | NC | NO | | | | NC | NO |
| DAN204BNEW040V0 | Aluminium | ½" | 4 | 2.5 | 0 | 10 | NBR / FKM / EPDM | 0.54 | 0.16 |
| DAN205BNEW030V0 | Aluminium | ½" | 3 | 2 | 0 | 16 | NBR / FKM / EPDM | 0.20 | 0.11 |
| DAN204BNIW050V0 | Aluminium | ½" | 5 | 4 | 0 | 10 | NBR / FKM / EPDM | 0.73 | 0.54 |
| DAN217BNIW025V0 | Aluminium | ½" | 2.5 | NA | 0 | 60 | NBR / FKM / EPDM | 0.16 | - |
| DBN017BNEW018V0 | Brass | ⅜" | 1.8 | NA | 0 | 60 | NBR / FKM / EPDM | 0.10 | - |
| DBN115BNEW060V0 | Brass | ¼" | 6 | NA | 0 | 1 | NBR / FKM / EPDM | 0.84 | - |
| DBN113BNEW050V0 | Brass | ¼" | 5 | 4 | 0 | 4 | NBR / FKM / EPDM | 0.73 | 0.54 |
| DBN104BNEW040V0 | Brass | ¼" | 4 | 2.5 | 0 | 10 | NBR / FKM / EPDM | 0.54 | 0.16 |
| DBN105BNEW030V0 | Brass | ¼" | 3 | 2.5 | 0 | 16 | NBR / FKM / EPDM | 0.20 | 0.16 |
| DBN111BNEW025V0 | Brass | ¼" | 2.5 | 1.8 | 0 | 25 | NBR / FKM / EPDM | 0.16 | 0.10 |
| DBN118BNEW020V0 | Brass | ¼" | 2 | 1.3 | 0 | 40 | NBR / FKM / EPDM | 0.11 | 0.05 |
| DBN117BNEW018V0 | Brass | ¼" | 1.8 | 1.3 | 0 | 60 | NBR / FKM / EPDM | 0.10 | 0.05 |
| DBN120BNEW015V0 | Brass | ¼" | 1.5 | 0.9 | 0 | 100 | NBR / FKM / EPDM | 0.07 | 0.03 |
| DBN112BNEW013V0 | Brass | ¼" | 1.3 | NA | 0 | 150 | NBR / FKM / EPDM | 0.05 | -- |
| DBN713BNEW050V0 | Brass | ⅜" | 5 | 4 | 0 | 4 | NBR / FKM / EPDM | 0.73 | 0.54 |
| DBN704BNEW040V0 | Brass | ⅜" | 4 | 2.5 | 0 | 10 | NBR / FKM / EPDM | 0.54 | 0.16 |
| DBN705BNEW030V0 | Brass | ⅜" | 3 | 2 | 0 | 16 | NBR / FKM / EPDM | 0.20 | 0.11 |
| DBN711BNEW025V0 | Brass | ⅜" | 2.5 | 1.8 | 0 | 25 | NBR / FKM / EPDM | 0.16 | 0.10 |
| DBN718BNEW020V0 | Brass | ⅜" | 2 | 1.5 | 0 | 40 | NBR / FKM / EPDM | 0.11 | 0.03 |
| DBN717BNEW018V0 | Brass | ⅜" | 1.8 | 1.3 | 0 | 60 | NBR / FKM / EPDM | 0.10 | 0.05 |
| DBN720BNEW015V0 | Brass | ⅜" | 1.5 | 0.9 | 0 | 100 | NBR / FKM / EPDM | 0.07 | 0.03 |
| DBN712BNEW013V0 | Brass | ⅜" | 1.3 | NA | 0 | 150 | NBR / FKM / EPDM | 0.05 | -- |
| DBN215BNEW060V0 | Brass | ½" | 6 | NA | 0 | 1 | NBR / FKM / EPDM | 0.84 | -- |
| DBN213BNEW050V0 | Brass | ½" | 5 | 4 | 0 | 4 | NBR / FKM / EPDM | 0.73 | 0.54 |
| DBN204BNEW040V0 | Brass | ½" | 4 | 2.5 | 0 | 10 | NBR / FKM / EPDM | 0.54 | 0.16 |
| DBN205BNEW030V0 | Brass | ½" | 3 | 2.5 | 0 | 16 | NBR / FKM / EPDM | 0.20 | 0.16 |
| DBN211BNEW025V0 | Brass | ½" | 2.5 | 1.8 | 0 | 25 | NBR / FKM / EPDM | 0.16 | 0.10 |
| DBN218BNEW020V0 | Brass | ½" | 2 | 1.3 | 0 | 40 | NBR / FKM / EPDM | 0.11 | 0.05 |
| DBN217BNEW018V0 | Brass | ½" | 1.8 | 1.3 | 0 | 60 | NBR / FKM / EPDM | 0.10 | 0.05 |
| DBN220BNEW015V0 | Brass | ½" | 1.5 | 0.9 | 0 | 100 | NBR / FKM / EPDM | 0.07 | 0.03 |
| DBN212BNEW013V0 | Brass | ½" | 1.3 | NA | 0 | 150 | NBR / FKM / EPDM | 0.05 | -- |
| DCN017BNEW018V0 | SS304 | ⅜" | 1.8 | NA | 0 | 60 | NBR / FKM / EPDM | 0.16 | -- |
| DCN115BNEW060V0 | SS304 | ¼" | 6 | 6 | 0 | 1 | NBR / FKM / EPDM | 0.84 | 0.84 |
| DCN113BNEW050V0 | SS304 | ¼" | 5 | 4 | 0 | 4 | NBR / FKM / EPDM | 0.73 | 0.54 |
| DCN104BNEW040V0 | SS304 | ¼" | 4 | 2.5 | 0 | 10 | NBR / FKM / EPDM | 0.54 | 0.16 |
| DCN105BNEW030V0 | SS304 | ¼" | 3 | 2 | 0 | 16 | NBR / FKM / EPDM | 0.20 | 0.11 |
| DCN111BNEW025V0 | SS304 | ¼" | 2.5 | 1.8 | 0 | 25 | NBR / FKM / EPDM | 0.16 | 0.10 |
| DCN118BNEW020V0 | SS304 | ¼" | 2 | 1.3 | 0 | 40 | NBR / FKM / EPDM | 0.11 | 0.05 |
| DCN117BNEW018V0 | SS304 | ¼" | 1.8 | 1.3 | 0 | 60 | NBR / FKM / EPDM | 0.10 | 0.05 |
| DCN120BNEW015V0 | SS304 | ¼" | 1.5 | 0.9 | 0 | 100 | NBR / FKM / EPDM | 0.07 | 0.03 |
| DCN112BNEW013V0 | SS304 | ¼" | 1.3 | NA | 0 | 150 | NBR / FKM / EPDM | 0.05 | -- |
| DCN713BNEW050V0 | SS304 | ⅜" | 5 | 4 | 0 | 4 | NBR / FKM / EPDM | 0.73 | 0.54 |
| DCN704BNEW040V0 | SS304 | ⅜" | 4 | 2.5 | 0 | 10 | NBR / FKM / EPDM | 0.54 | 0.16 |
| DCN705BNEW030V0 | SS304 | ⅜" | 3 | 2 | 0 | 16 | NBR / FKM / EPDM | 0.20 | 0.11 |
| DCN711BNEW025V0 | SS304 | ⅜" | 2.5 | 1.8 | 0 | 25 | NBR / FKM / EPDM | 0.16 | 0.10 |

Technical Data

| Model No. | Body Material | Port Size | Orifice (mm) | | Min. Operating Pressure Kg/cm ² | Max. Operating Pressure Kg/cm ² | Seal & Diaphragm Material | Flow Factor Kv m ³ / hr | |
|-----------------|---------------|-----------|--------------|-----|--|--|---------------------------|------------------------------------|------|
| | | | NC | NO | | | | NC | NO |
| DCN718BNEW020V0 | SS304 | 3/8" | 2 | 1.3 | 0 | 40 | NBR / FKM / EPDM | 0.11 | 0.05 |
| DCN717BNEW018V0 | SS304 | 3/8" | 1.8 | 1.3 | 0 | 60 | NBR / FKM / EPDM | 0.10 | 0.05 |
| DCN720BNEW015V0 | SS304 | 3/8" | 1.5 | 0.9 | 0 | 100 | NBR / FKM / EPDM | 0.07 | 0.03 |
| DCN712BNEW013V0 | SS304 | 3/8" | 1.3 | NA | 0 | 150 | NBR / FKM / EPDM | 0.05 | -- |
| DCS226BNEW170V0 | SS304 | 1/2" | 17 | NA | 0 | 0.200 | NBR / SI / FKM / EPDM | 3.20 | -- |
| DCN213BNEW050V0 | SS304 | 1/2" | 5 | 4 | 0 | 4 | NBR / FKM / EPDM | 0.73 | 0.54 |
| DCN204BNEW040V0 | SS304 | 1/2" | 4 | 2.5 | 0 | 10 | NBR / FKM / EPDM | 0.54 | 0.16 |
| DCN205BNEW030V0 | SS304 | 1/2" | 3 | 2.5 | 0 | 16 | NBR / FKM / EPDM | 0.20 | 0.16 |
| DCN211BNEW025V0 | SS304 | 1/2" | 2.5 | 1.8 | 0 | 25 | NBR / FKM / EPDM | 0.16 | 0.10 |
| DCN218BNEW020V0 | SS304 | 1/2" | 2 | 1.3 | 0 | 40 | NBR / FKM / EPDM | 0.11 | 0.05 |
| DCN217BNEW018V0 | SS304 | 1/2" | 1.8 | 1.3 | 0 | 60 | NBR / FKM / EPDM | 0.10 | 0.05 |
| DCN220BNEW015V0 | SS304 | 1/2" | 1.5 | 0.9 | 0 | 100 | NBR / FKM / EPDM | 0.07 | 0.03 |
| DCN212BNEW013V0 | SS304 | 1/2" | 1.3 | NA | 0 | 150 | NBR / FKM / EPDM | 0.05 | -- |
| DCS202BNIW120V0 | SS304 | 1/2" | 12 | NA | 0 | 2 | NBR / SI / FKM / EPDM | 2.10 | -- |
| DCN202BNIW120V0 | SS304 | 1/2" | 12 | NA | 0 | 2 | NBR / FKM / EPDM | 2.10 | -- |
| DCN201BNIW120V0 | SS304 | 1/2" | 12 | 12 | 0 | 0.500 | NBR / FKM / EPDM | 2.10 | 2.10 |
| DAN004BNCW020V0 | Aluminum | 1/8" | 2 | NA | 0 | 10 | NBR / FKM / EPDM | 0.11 | -- |
| DAN102BNCW025V0 | Aluminum | 1/4" | 2.5 | NA | 0 | 2 | NBR / FKM / EPDM | 0.16 | -- |
| DAN104BNCW020V0 | Aluminum | 1/4" | 2 | NA | 0 | 10 | NBR / FKM / EPDM | 0.11 | -- |
| DBN014BNCW030V0 | Brass | 1/8" | 3 | NA | 0 | 3 | NBR / FKM / EPDM | 0.20 | -- |
| DBN004BNCW020V0 | Brass | 1/8" | 2 | NA | 0 | 10 | NBR / FKM / EPDM | 0.11 | -- |
| DBN104BNCW020V0 | Brass | 1/4" | 2 | NA | 0 | 10 | NBR / FKM / EPDM | 0.11 | -- |
| DCN004BNCW020V0 | SS304 | 1/8" | 2 | NA | 0 | 10 | NBR / FKM / EPDM | 0.11 | -- |
| DCN102BNCW020V0 | SS304 | 1/4" | 2 | NA | 0 | 2 | NBR / FKM / EPDM | 0.11 | -- |
| DCN103BNCW025V0 | SS304 | 1/4" | 2.5 | NA | 0 | 7 | NBR / FKM / EPDM | 0.16 | -- |
| DCN104BNCW020V0 | SS304 | 1/4" | 2 | NA | 0 | 10 | NBR / FKM / EPDM | 0.11 | -- |

DIRECT ACTING SOLENOID VALVE MODEL IDENTIFICATION CHART

| PRODUCT TYPE | | SEAL MATERIAL | PRESSURE RANGE | PORT CONNECTION | VALVE POSITION | FEATURES | ORIFICE IN MM | CONFIGURATION | VERSION |
|--------------|-------|----------------|-----------------|-----------------------|---------------------|-------------------|---------------|---------------|---------------|
| D | 2 WAY | Nitrile | 00 0 - 350 Mbar | B BSP | N NC | W W/O MOR | 005 0.5 | Blank | V0 VERSION 0 |
| T | 3 WAY | EPDM | 01 0 - 500 Mbar | N NPT | Z NO | M TURN MOR | 006 0.6 | C1 | V1 VERSION 1 |
| | | VITON | 02 0 - 2 Bar | P BSPT | U Universal | P PUSH MOR | 007 0.7 | C2 | V2 VERSION 2 |
| | | Silicone | 03 0 - 7 Bar | R NAMUR BSP | T Diverting | T PUSH & TURN MOR | 008 0.8 | C3 | V3 VERSION 3 |
| | | SPL VITON | 04 0 - 10 Bar | T NAMUR NPT | M Mixing | U PULL MOR | 009 0.9 | . | . |
| | | FLUORO SILICON | 05 0 - 16 Bar | C MM | R BI directional NC | 3 3 POSITION MOR | 010 1 | . | . |
| | | VITON GLT | 11 0 - 25 Bar | M Manifold Mounted | | | 012 1.2 | . | . |
| | | PTFE | 12 0 - 150 Bar | H HOSETAIL CONNECTION | | | 013 1.3 | . | . |
| | | LOW TEMP NBR | 13 0 - 4 Bar | J BARB | | | 015 1.5 | . | . |
| | | | 14 0 - 3 Bar | | | | 016 1.6 | C9 | V9 VERSION 9 |
| | | | 15 0 - 1 Bar | | | | 018 1.8 | CA | VA VERSION 10 |
| | | | 17 0 - 60 Bar | | | | 020 2 | CB | VB VERSION 11 |
| | | | 18 0 - 40 Bar | | | | 022 2.2 | | |
| | | | 19 0 - 5 Bar | | | | 025 2.5 | | |
| | | | 20 0 - 100 Bar | | | | 028 2.8 | | |
| | | | 21 0 - 20 Bar | | | | 030 3 | | |
| | | | 26 0 - 200 Mbar | | | | 031 3.1 | | |
| | | | 30 0 - 1.5 Bar | | | | 035 3.5 | | |
| | | | 31 0 - 6 Bar | | | | 040 4 | | |
| | | | 32 0 - 8 Bar | | | | 045 4.5 | | |
| | | | 34 0 - 10 PSI | | | | 050 5 | | |
| | | | 38 0 - 12 Bar | | | | 060 6 | | |
| | | | 39 0 - 150 Mbar | | | | 064 6.4 | | |
| | | | 42 0 - 13 Bar | | | | 070 7 | | |
| | | | 43 0 - 15 Bar | | | | 080 8 | | |
| | | | 44 0 - 18 Bar | | | | 100 10 | | |
| | | | 46 0 - 21 Bar | | | | 120 12 | | |
| | | | 47 0 - 35 Bar | | | | 152 15.2 | | |
| | | | 48 20 - 110 Bar | | | | 170 17 | | |
| | | | 52 1 - 1 Bar | | | | 180 18 | | |
| | | | | | | | 200 20 | | |
| | | | | | | | 250 25 | | |
| | | | | | | | 300 30 | | |

| BODY MATERIAL | PORT SIZE | COIL DIA |
|---------------|------------------|----------------|
| C CF8 | 0 1/8" | C 10 MM AC |
| M CF8M | 1 1/4" | D 10 MM DC |
| B Brass Forge | 2 1/2" | E 14 MM AC |
| A Aluminium | 3 3/4" | F 14 MM DC |
| N Nylon GF | 4 1" | G 14 MM FLP AC |
| 4 SS304 | 7 3/8" | H 14 MM FLP DC |
| 6 SS316 | M5 | I 18 MM AC |
| R Brass Bar | Manifold Mounted | J 18 MM DC |
| L SS316L | 22MM MALE | K 30 MM AC |
| S ABS | 10MM | M 28 MM |
| 3 CF3M | | N 5.5MM DC |
| | | Q 5MM DC |
| | | T 12MM AC |
| | | U 12MM DC |
| | | V 18MM FLP AC |
| | | W 18MM FLP DC |

DBN104BNGW040V0
 1/4" 2 WAY DIRECT ACTING BRASS FORGE
 -NITRILE-0 TO 10 Bar-BSP-
 NC-14MM FLP AC-4MM ORIFICE

Note : The above chart is for identification purposes only, and it may not be possible to make all combinations for the above chart.

Global Presence...



Made In India



CONTACT US:

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📍 Uflow Automation, Ankur Industrial Complex, Survey No: 275/276, Plot No: 31, Nr. Intol Cast Pvt. Ltd. Shapar(Veraval) Dist.: Gujarat (India) - 360 024.