

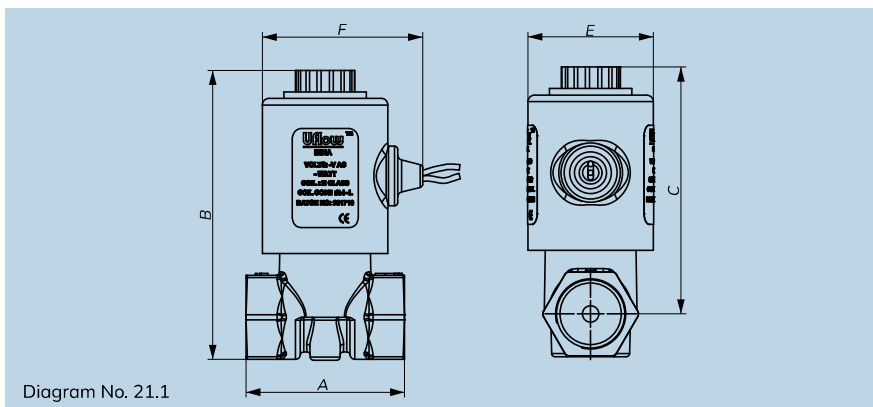
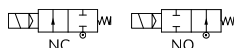


Diagram No. 21.1



Specifications

Port :	Refer below technical data sheet (Available BSP / NPT)				
End Connection :	Screwed				
Body Material :	SS ASTM A351 Grade CF8 / CF8M, Forged Brass, Aluminium				
Diaphragm:	Nitrile (NBR)	EPDM	Viton (FKM)		
Media Temp:	-30°C to 90°C	-10°C to 140°C	-10°C to 180°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 :	Epoxy square coil, Metallic round enclosure, IP-67 Flameproof enclosure, IP-68 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
DAN104BNEW031V0	¼"	21.1	44.5	81	71	44	57
DBN104BNEW040V0	¼"	21.1	43	83	74	44	57
DCN104BNEW040V0	¼"	21.1	43	83	74	44	57
DBN704BNEW040V0	¾"	21.1	48	88	75	44	57
DBN204BNEW040V0	½"	21.1	48	88	75	44	57
DCN202BNIW120V0	½"	21.1	61.5	109	96	62	50
DAN204BNIW050V0	½"	21.1	65	102	88	62	50
DBN004BNCW020V0	⅝"	21.1	38	56	47	28	33
DRN103BNCM028V0	¼"	21.1	34	69	46	28	33
DCN204BNEW040V0	½"	21.1	48	91	79	44	57
DCN003BNAW016V0	⅝"	21.1	27	50	43	21	51

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	¼"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DAN104BNEW030V0	Aluminium	¼"	3	2.5	0	10	NBR / SI / FKM / EPDM	0.20	0.16
DAN105BNEW022V0	Aluminium	¼"	2.2	1.8	0	16	NBR / SI / FKM / EPDM	0.16	0.10
DAN111BNEW022V0	Aluminium	¼"	2.2	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10
DAN118BNEW018V0	Aluminium	¼"	1.8	1.3	0	40	NBR / SI / FKM / EPDM	0.10	0.05
DAN117BNEW015V0	Aluminium	¼"	1.5	1.3	0	60	NBR / SI / FKM / EPDM	0.07	0.05
DAN204BNIW050V0	Aluminium	½"	5	NA	0	10	NBR / SI / 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 / SI / FKM / EPDM	0.54	0.16
DAN205BNEW030V0	Aluminium	½"	3	2	0	16	NBR / SI / FKM / EPDM	0.20	0.11
DAN205BNIW050V0	Aluminium	½"	5	NA	0	16	NBR / SI / FKM / EPDM	0.73	--
DAN217BNIW025V0	Aluminium	½"	2.5	NA	0	60	NBR / SI / FKM / EPDM	0.16	--
DBN017BNEW018V0	Brass	⅜"	1.8	NA	0	60	NBR / SI / FKM / EPDM	0.10	--
DBN115BNEW060V0	Brass	¼"	6	NA	0	1	NBR / SI / FKM / EPDM	0.84	--
DBN113BNEW050V0	Brass	¼"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DBN104BNEW040V0	Brass	¼"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DBN105BNEW030V0	Brass	¼"	3	2.5	0	16	NBR / SI / FKM / EPDM	0.20	0.16
DBN111BNEW025V0	Brass	¼"	2.5	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10
DBN118BNEW020V0	Brass	¼"	2	1.3	0	40	NBR / SI / FKM / EPDM	0.11	0.05
DBN117BNEW018V0	Brass	¼"	1.8	1.3	0	60	NBR / SI / FKM / EPDM	0.10	0.05
DBN120BNEW015V0	Brass	¼"	1.5	0.9	0	100	NBR / SI / FKM / EPDM	0.07	0.03
DBN112BNEW013V0	Brass	¼"	1.3	NA	0	150	NBR / SI / FKM / EPDM	0.05	--
DBN713BNEW050V0	Brass	⅜"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DBN704BNEW040V0	Brass	⅜"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DBN705BNEW030V0	Brass	⅜"	3	2	0	16	NBR / SI / FKM / EPDM	0.20	0.11
DBN711BNEW025V0	Brass	⅜"	2.5	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10
DBN718BNEW020V0	Brass	⅜"	2	1.3	0	40	NBR / SI / FKM / EPDM	0.11	0.05
DBN717BNEW018V0	Brass	⅜"	1.8	1.3	0	60	NBR / SI / FKM / EPDM	0.10	0.05
DBN720BNEW015V0	Brass	⅜"	1.5	0.9	0	100	NBR / SI / FKM / EPDM	0.07	0.03
DBN712BNEW013V0	Brass	⅜"	1.3	NA	0	150	NBR / SI / FKM / EPDM	0.05	--
DBN215BNEW060V0	Brass	½"	6	NA	0	1	NBR / SI / FKM / EPDM	0.84	--
DBN213BNEW050V0	Brass	½"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DBN204BNEW040V0	Brass	½"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DBN205BNEW030V0	Brass	½"	3	2.5	0	16	NBR / SI / FKM / EPDM	0.20	0.16
DBN211BNEW025V0	Brass	½"	2.5	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10
DBN218BNEW020V0	Brass	½"	2	1.3	0	40	NBR / SI / FKM / EPDM	0.11	0.05
DBN217BNEW018V0	Brass	½"	1.8	1.3	0	60	NBR / SI / FKM / EPDM	0.10	0.05
DBN220BNEW015V0	Brass	½"	1.5	0.9	0	100	NBR / SI / FKM / EPDM	0.07	0.03
DBN212BNEW013V0	Brass	½"	1.3	NA	0	150	NBR / SI / FKM / EPDM	0.05	--
DCN017BNEW018V0	SS304	⅜"	1.8	NA	0	60	NBR / SI / FKM / EPDM	0.16	--
DCN115BNEW060V0	SS304	¼"	6	6	0	1	NBR / SI / FKM / EPDM	0.84	0.84
DCN113BNEW050V0	SS304	¼"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DCN104BNEW040V0	SS304	¼"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DCN105BNEW030V0	SS304	¼"	3	2	0	16	NBR / SI / FKM / EPDM	0.20	0.11
DCN111BNEW025V0	SS304	¼"	2.5	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10
DCN118BNEW020V0	SS304	¼"	2	1.3	0	40	NBR / SI / FKM / EPDM	0.11	0.05
DCN117BNEW018V0	SS304	¼"	1.8	1.3	0	60	NBR / SI / FKM / EPDM	0.10	0.05
DCN120BNEW013V0	SS304	¼"	1.3	0.9	0	100	NBR / SI / FKM / EPDM	0.05	0.03
DCN112BNEW012V0	SS304	¼"	1.2	NA	0	150	NBR / SI / FKM / EPDM	0.042	--
DCN713BNEW050V0	SS304	⅜"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DCN704BNEW040V0	SS304	⅜"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DCN705BNEW030V0	SS304	⅜"	3	2	0	16	NBR / SI / FKM / EPDM	0.20	0.11
DCN711BNEW025V0	SS304	⅜"	2.5	1.8	0	25	NBR / SI / 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
DAN204BNEW040V0	Aluminium	½"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DAN205BNEW030V0	Aluminium	½"	3	2	0	16	NBR / SI / FKM / EPDM	0.20	0.11
DAN205BNIW050V0	Aluminium	½"	5	NA	0	16	NBR / SI / FKM / EPDM	0.73	--
DAN217BNIW025V0	Aluminium	½"	2.5	NA	0	60	NBR / SI / FKM / EPDM	0.16	--
DBN017BNEW018V0	Brass	⅜"	1.8	NA	0	60	NBR / SI / FKM / EPDM	0.10	--
DBN115BNEW060V0	Brass	¼"	6	NA	0	1	NBR / SI / FKM / EPDM	0.84	--
DBN113BNEW050V0	Brass	¼"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DBN104BNEW040V0	Brass	¼"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DBN105BNEW030V0	Brass	¼"	3	2.5	0	16	NBR / SI / FKM / EPDM	0.20	0.16
DBN111BNEW025V0	Brass	¼"	2.5	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10
DBN118BNEW020V0	Brass	¼"	2	1.3	0	40	NBR / SI / FKM / EPDM	0.11	0.05
DBN117BNEW018V0	Brass	¼"	1.8	1.3	0	60	NBR / SI / FKM / EPDM	0.10	0.05
DBN120BNEW015V0	Brass	¼"	1.5	0.9	0	100	NBR / SI / FKM / EPDM	0.07	0.03
DBN112BNEW013V0	Brass	¼"	1.3	NA	0	150	NBR / SI / FKM / EPDM	0.05	--
DBN713BNEW050V0	Brass	⅜"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DBN704BNEW040V0	Brass	⅜"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DBN705BNEW030V0	Brass	⅜"	3	2	0	16	NBR / SI / FKM / EPDM	0.20	0.11
DBN711BNEW025V0	Brass	⅜"	2.5	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10
DBN718BNEW020V0	Brass	⅜"	2	1.3	0	40	NBR / SI / FKM / EPDM	0.11	0.05
DBN717BNEW018V0	Brass	⅜"	1.8	1.3	0	60	NBR / SI / FKM / EPDM	0.10	0.05
DBN720BNEW015V0	Brass	⅜"	1.5	0.9	0	100	NBR / SI / FKM / EPDM	0.07	0.03
DBN712BNEW013V0	Brass	⅜"	1.3	NA	0	150	NBR / SI / FKM / EPDM	0.05	--
DBN215BNEW060V0	Brass	½"	6	NA	0	1	NBR / SI / FKM / EPDM	0.84	--
DBN213BNEW050V0	Brass	½"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DBN204BNEW040V0	Brass	½"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DBN205BNEW030V0	Brass	½"	3	2.5	0	16	NBR / SI / FKM / EPDM	0.20	0.16
DBN211BNEW025V0	Brass	½"	2.5	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10
DBN218BNEW020V0	Brass	½"	2	1.3	0	40	NBR / SI / FKM / EPDM	0.11	0.05
DBN217BNEW018V0	Brass	½"	1.8	1.3	0	60	NBR / SI / FKM / EPDM	0.10	0.05
DBN220BNEW015V0	Brass	½"	1.5	0.9	0	100	NBR / SI / FKM / EPDM	0.07	0.03
DBN212BNEW013V0	Brass	½"	1.3	NA	0	150	NBR / SI / FKM / EPDM	0.05	--
DCN017BNEW018V0	SS304	⅜"	1.8	NA	0	60	NBR / SI / FKM / EPDM	0.16	--
DCN115BNEW060V0	SS304	¼"	6	6	0	1	NBR / SI / FKM / EPDM	0.84	0.84
DCN113BNEW050V0	SS304	¼"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DCN104BNEW040V0	SS304	¼"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DCN105BNEW030V0	SS304	¼"	3	2	0	16	NBR / SI / FKM / EPDM	0.20	0.11
DCN111BNEW025V0	SS304	¼"	2.5	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10
DCN118BNEW020V0	SS304	¼"	2	1.3	0	40	NBR / SI / FKM / EPDM	0.11	0.05
DCN117BNEW018V0	SS304	¼"	1.8	1.3	0	60	NBR / SI / FKM / EPDM	0.10	0.05
DCN120BNEW013V0	SS304	¼"	1.3	0.9	0	100	NBR / SI / FKM / EPDM	0.05	0.03
DCN112BNEW012V0	SS304	¼"	1.2	NA	0	150	NBR / SI / FKM / EPDM	0.042	--
DCN713BNEW050V0	SS304	⅜"	5	4	0	4	NBR / SI / FKM / EPDM	0.73	0.54
DCN704BNEW040V0	SS304	⅜"	4	2.5	0	10	NBR / SI / FKM / EPDM	0.54	0.16
DCN705BNEW030V0	SS304	⅜"	3	2	0	16	NBR / SI / FKM / EPDM	0.20	0.11
DCN711BNEW025V0	SS304	⅜"	2.5	1.8	0	25	NBR / SI / FKM / EPDM	0.16	0.10

DIRECT ACTING SOLENOID VALVE MODEL IDENTIFICATION CHART

D		B	E	1	04	N	Z	C	M	025	-	V0					
PRODUCT TYPE	D	2 WAY		PRESSURE RANGE		PORT CONNECTION		VALVE POSITION		FEATURES		ORIFICE IN MM		CONFIGURATION		VERSION	
		N	Nitrile	00	0 - 350 Mbar	B	BSP	N	NC	W	W/O MOR	007	0.7	BLANK	REGULAR	V0	VERSION 0
		E	EPDM	01	0 - 500 Mbar	N	NPT	Z	NO	M	TURN MOR	008	0.8	C1	CONFIG 1	V1	VERSION 1
		V	VITON	02	0 - 2 Bar	P	BSPT	U	Universal / BI directional	P	PUSH MOR	009	0.9	C2	CONFIG 2	V2	VERSION 2
		S	SILICONE	03	0 - 7 Bar	R	NAMUR BSP	D	Diverting	T	PUSH & TURN MOR	010	1	C3	CONFIG 3	V3	VERSION 3
SEAL MATERIAL	F	SPL VITON		04	0 - 10 Bar	T	NAMUR NPT	M	Mixing	COIL DIA		012	1.2	.	.	.	.
				05	0 - 16 Bar	C	MM					013	1.3	.	.	.	.
				07	0.5 - 8.5 Bar	M	Manifold Mounted					015	1.5	.	.	.	.
												016	1.6	C9	CONFIG 9	V9	VERSION 9
												018	1.8	CA	CONFIG 10	VA	VERSION 10
BODY MATERIAL	C	CF8		11	0 - 25 Bar					COIL DIA		020	2	CB	CONFIG 11	VB	VERSION 11
		CF8M		12	0 - 150 Bar							022	2.2				
		BRASS FORGE		13	0 - 4 Bar							025	2.5				
		Aluminium		14	0 - 3 Bar							028	2.8				
		Nylon GF		15	0 - 1 Bar							030	3				
PORT SIZE	0	"		17	0 - 60 Bar					COIL DIA		031	3.1				
		1/4"		18	0 - 40 Bar							035	3.5				
		1/2"		19	0 - 5 Bar							040	4				
		3/4"		20	0 - 100 Bar							050	5				
		1"		21	0 - 20 Bar							060	6				
SEAL MATERIAL	H	M5		26	0 - 200 Mbar					COIL DIA		080	8				
		Manifold Mounted		30	0 - 1.5 Bar							120	12				
												152	15.2				
												170	17				
												200	20				
BODY MATERIAL	R	BRASS BAR								COIL DIA		300	30				

DBE104NZCM025V0

1/4" 2 WAY DIRECT ACTING BRASS-EPDM-0 TO 10kg-NPT-NO-10mm AC-MOR-2.5mm ORIFICE