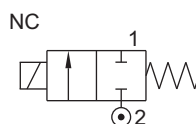


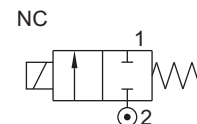
2/2 DIRECT ACTING NORMALLY CLOSED SOLENOID VALVE

TYPE	PRESSURE

TYPE	PRESSURE
20124	0 - 0.3 bar
20126V01	0 - 225 bar
3352V01	0 - 100 bar



TYPE	PRESSURE
20101	0-150 bar
20126	0-63 bar



FEATURES

- Bubble tight shut off
- Suitable for vacuum up to 10^{-6} torr
- Vibration resistance up to 9g
- Mounts in any position
- Suitable for high speed cycling up to 1000 cycles/ min.
- Manual override optionally provided



WETTED PARTS

Code	※	B17	B2	B5
Body	Anodized Aluminium	Forged Brass	Brass	SS316
Guide Assembly	SS 304			
Shadow-Ring	Copper/ Silver/ None			
Plunger, Insert	SS 430			
Spring	SS 302			
Seat, Seals	NBR, Viton, EPDM, PTFE			

※ Do not specify code if opted for. Refer Page # 22 for Value of ※

AMBIENT AND FLUID TEMPERATURE

-30 °C to 75 °C

SPECIAL VERSION AND SUFFIX

Suffix : (Valve) OX, AM

Special version : (Solenoid) CO, FR, SS, LC, III, TM

MEDIA

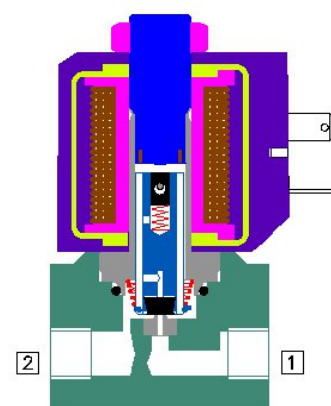
Air, Inert Gases, Water, Vacuum, Free Flowing Liquid, Oil, Diesel, Kerosene, LPG

APPLICATION

Dispensing, Analyzer, Drain

PORT CONNECTION

INLET	OUTLET
2	1



SPARES

(Refer page 25 for ordering code)

SPARE KIT	CODE
Seal Kit : Oring Set and Plunger Assembly	98
Repair Kit : Oring Set, Plunger Assembly, Springs, Manual Override, Guide assembly	99
Solenoid Kit : Solenoid, Gasket	34

APPROVAL

(★ applied for)

Approval	Nema 4X	IP67	Ex d IIC T4 or T5 or T6 IP66	Ex ia IIC T6 IP67	DGMS	CCOE
		✓	✓	✓	✓	✓
		✓	✓	✓		
	✓		★			
			✓	✓		
			✓	✓		
			✓	✓		

Contact Rotex for

- Any other ambient, fluid temperature, media and application
- UL listed, Listed general purpose Valve



20123 Model is discontinued Offer Alternate Model 20172V02LP
Contact Rotex if must to Offer Specific Model
OIL Media Temperature Restricted from 0 °C to 100 °C

2/2 DIRECT ACTING NORMALLY CLOSED SOLENOID VALVE

SPECIFICATION

PORT CONNECTION			PRE-SSURE bar		VALVE TYPE	PILOT PRESSURE	BODY MATERIAL AND INTERNALS				SEALS				MANUAL OVERRIDE		SOLENOID ENCLOSURE				SUFFIX		POWER VA		CONSTRUCTION REFERENCE NUMBER
SIZE	BSP(F)	NPT(F)	MINIMUM	MAXIMUM			ALUMINIUM	ALUMINIUM + SS	BRASS (STD. PORT NPT)	SS316 (STD. PORT NPT)	NBR	Viton	EPDM	PU	PTFE	NIL	STAYPUT CUM MOMENTARY	WEATHER PROOF	EXPLOSION PROOF	FLYING LEAD	OXYGEN	AMONIA	AC INRUSH	AC HOLDING	
					NW ORIFICE (mm)													PLUG IN, IP67	SQ. PLUG IN, IP67	TERMINAL BOX IP67	EXPLOSION PROOF IIC, IP67	LARGE ENCLOSURE	SOLENOID SIZE		
					FLOW FACTOR KV (LPM OF WATER @ 1 bar ΔP)																				

2/2 NORMALLY CLOSED

2" NORMALLY CLOSED																																		
1/2"	4G	4R	0	1.5	12	50	20124		✖		B5	✖	S2	S1		✖		F		25	T	E		18	✓	✓	13	13	13					
1/2"	4G	4R	0	2.5	5	8	20101		✖		B2	B5	✖	S2	S1		S8	✖		F	22	25	T	E	III	14	✓	✓	18	12	8	A		
			0	4	4	7	20101		✖		B2	B5	✖	S2	S1		S8	✖	M6	M8	F	22	25	T	E	III	14	✓	✓	18	12	8	A	
			0	6	3.5	5	20101		✖		B2	B5	✖	S2	S1		S8	✖	M6	M8	F	22	25	T	E	III	14	✓	✓	18	12	8	A	
			0	6	5	8	20126		✖		B2	B5	✖	S2	S1		S8	✖	M6	M8	F		25	T	E		18	✓	✓	13	13	13	C	
			0	8	3	4	20101		✖		B17	B5	✖	S2	S1		S8	✖	M6	M8	F	22	25	T	E	III	14	✓	✓	18	12	8	A	
			0	10	4	7	20126		✖		B2	B5	✖	S2	S1		S8	✖	M6	M8	F		25	T	E		18	✓	✓	13	13	13	C	
			0	12	2.5	3.5	20101		✖		B17	B5	✖	S2	S1		S8	✖	M6	M8	F	22	25	T	E	III	14	✓	✓	18	12	8	A	
			0	15	2.2	2.5	20101		✖		B17	B5	✖	S2	S1		S8	✖	M6	M8	F	22	25	T	E	III	14	✓	✓	18	12	8	A	
3/8"	3G	3R	0	15	3.5	5	20126		✖		B2	B5	✖	S2	S1		S8	✖	M6	M8	F		25	T	E		18	✓	✓	13	13	13	C	
			0	20	1.8	1.8	20101		✖		B2	B5	✖	S2	S1		S8	✖	M6	M8	F	22	25	T	E	III	14	✓	✓	18	12	8	A	
			0	25	1.6	1.4	20101		✖		B17	B5	✖	S2	S1		S8	✖	M6	M8	F	22	25	T	E	III	14	✓	✓	18	12	8	A	
			0	25	3	4	20126		✖		B2	B5	✖	S2	S1		S8	✖	M6	M8	F		25	T	E		18	✓	✓	13	13	13	C	
			0	32	2.5	3.5	20126		✖		B2	B5	✖	S2	S1		S8	✖	M12	M5	F	25	T	E		18	✓	✓	13	13	13	C		
			0	40	2.2	2.5	20126		✖		B2	B5	✖	S2	S1		S8	✖	M12	M5	F	25	T	E		18	✓	✓	13	13	13	C		
			0	50	1.8	1.8	20126		✖		B2	B5	✖	S2	S1		S8	✖	M11	M4	F		25	T	E		18	✓	✓	13	13	13	C	
			0	60	1.2	0.7	20101		✖		B17	B5					S8	✖	M11	M4	F	22	25	T	E	III	14	✓	✓	18	12	8	A	
1/4"	2G	2R	0	63	1.6	1.4	20126		✖		B2	B5					S8	✖	M11	M4	F		25	T	E		18	✓	✓	13	13	13	C	
			①	0	100	1.2	0.7	20126V01		✖		B2	B5					S8	✖	M11	M4	F		25	T	E		18	✓	✓	13	13	13	C
			0	150	0.8	0.5	20101		✖		B17	B5					S8	✖	M11	M4		25	T	E	III	14	✓	✓	15	15	15	A		
			0	225	0.8	0.5	20126V01				B2	B5					S8	✖	M11	M4	F	25	T	E		18	✓	✓	13	13	13	C		
			0	4	6	12	20126		✖		B2	B5	✖	S2	S1		S8	✖	M6	M8	F	25	T	E		18	✓	✓	13	13	13	D		
			②	0	100	1.2	0.7	3352V01				B2	B5			S6		✖					25	T	E		18	✓	✓	13	13	13	C	

SOLENOID 14

Cable Entry	T		Ex d		E		Ex emb
	17MS	39	87MS	66MS	58MS	58LTMS	
M20 x 1.5	19	17MS	39	87MS	66MS	58MS	58LTMS
M25 x 1.5	17		87	66	58	58LT	
1/2" NPT	16	17NS	37	87NS	66NS	58NS	58LTNS

SOLENOID 18

Cable Entry	T		Ex d		E		Ex emb
	17MS	39	87MS		58MS	58LTMS	
M20 x 1.5	19	17MS	39	87MS		58MS	58LTMS
M25 x 1.5	17		87		58	58LT	
1/2" NPT	16	17NS	37	87NS		58NS	58LTNS

	F
Flying lead IP54	06
Flying lead IP67	01

Code	Construction Reference
A	1, 3, 5, 7
B	2, 4, 6, 8
C	9, 13
D	10, 14

✖ = Do not specify when opted for. Refer Page # 22 for Value of ✖
✓ = Options available

① = Do not Opt, for CO2 Media.

② = Only for CO2 Media.



20123 Model is discontinued Offer Alternat Model 20172V02LP
Contact Rotex if must to Offer Specific Model

2/2 DIRECT ACTING NORMALLY CLOSED SOLENOID VALVE

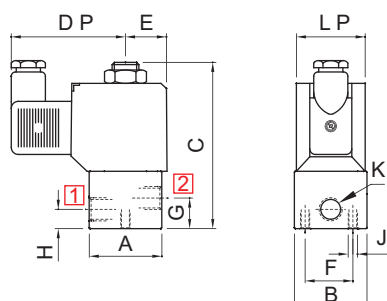
ORDERING CODE AND EXAMPLE VALVE + SOLENOID

VALVE TYPE – SIL – SUFFIX – ORIFICE – PORT CONNECTION – BODY AND INTERNALS – MANUAL OVERRIDE – SEAL – MEDIA + SIZE – VOLTAGE – CURRENT – SOLENOID ENCLOSURE – SPECIAL VERSION – POWER – INSULATION – APPROVAL – SIL – ACCESSORIES SOLENOID

eg.: 20126-4-2G+II-230V-50Hz-25-RC; 20101-2.2-2R-B5-M6-S2+III-24V DC-37-CO-H-01

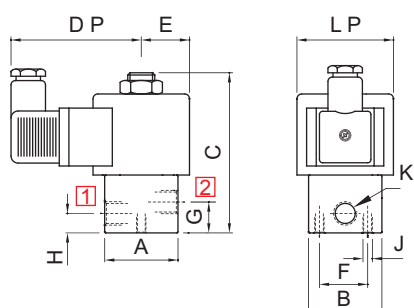
DIMENSIONS

All Dimensions are in mm

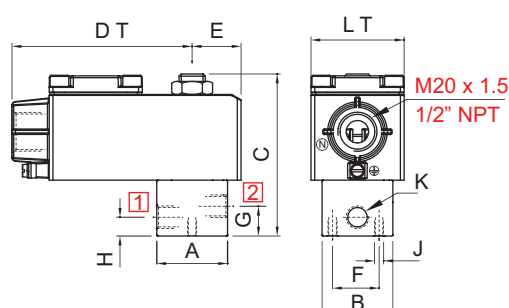


PLUG IN SOLENOID TYPE 22

K (PORT SIZE)	A	B	C	DP	DT	E	F	G	H	J	LP	LT	BODY MATL.	CONST. REF.
VALVE TYPE : 20101														
1/8", 1/4"	38	38	87	60	85	22	25	16	10	M6	36	40	AL, BR	1
3/8", 1/2"	60	38	95	60	85	22	25	20.5	20.5	M6	36	40	AL, BR	2
1/8", 1/4"	44	Ø48	91	60	85	22	25	17	10.5	M6	36	40	SS	3
3/8", 1/2"	58	Ø62	111	60	60	22	25	14	14	M6	36	40	SS	4



PLUG IN SOLENOID TYPE 25



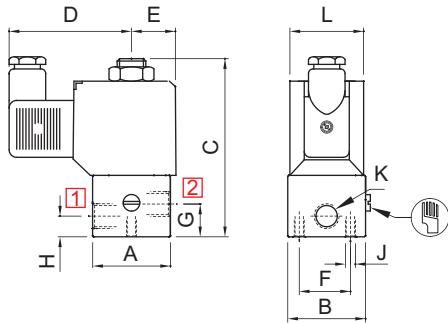
TERMINAL BOX/ Ex d LARGE ENCLOSURE
TYPE 16, 19, 37, 39, 58, 58LT, LC

K (PORT SIZE)	A	B	C	PD	DT	E	F	G	H	J	LP	LT	BODY MATL.	CONST. REF.
VALVE TYPE : 20101														
1/8", 1/4"	38	38	87	66	97	26	25	16	10	M6	Ø50	50	AL, BR	5
3/8", 1/2"	60	38	95	66	97	26	25	20.5	20.5	M6	Ø50	50	AL, BR	6
1/8", 1/4"	44	Ø48	91	66	97	26	25	17	10.5	M6	Ø50	50	SS	7
3/8", 1/2"	58	Ø62	111	68	103	28	25	14	14	M6	Ø50	50	SS	8
VALVE TYPE : 20126														
1/8", 1/4"	50	50	102	68	103	28	25	17	10.5	M6	Ø50	50	AL, BR	9
3/8", 1/2"	65	50	108	68	103	28	25	14	14	M6	Ø50	50	AL, BR	10
1/8"	44	Ø48	91	66	103	28	25	17	10.5	M6	Ø50	50	SS	13
3/8"	58	Ø62	111	68	103	29	25	14	14	M6	Ø50	50	SS	14

2/2 DIRECT ACTING NORMALLY CLOSED SOLENOID VALVE

DIMENSIONS

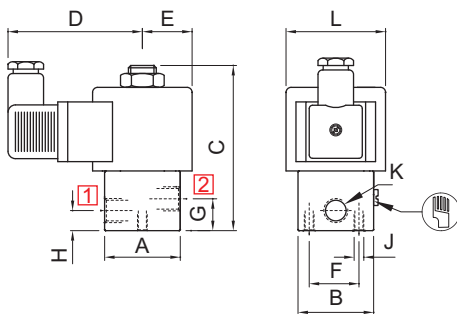
All Dimensions are in mm



PLUG IN SOLENOID TYPE 22

K (PORT SIZE)	A	B	C	D	E	F	G	H	J	L	BODY MATL.	CONST. REF.
VALVE TYPE : 20101 WITH MO												
1/8", 1/4"	38	38	87	60	22	25	16	10	M6	36	AL, BR	1
3/8", 1/2"	60	38	95	60	22	25	20.5	20.5	M6	36	AL, BR	2
1/8", 1/4"	44	Ø48	91	60	22	25	17	10.5	M6	36	SS	3
3/8", 1/2"	58	Ø62	111	60	22	25	14	14	M6	36	SS	4

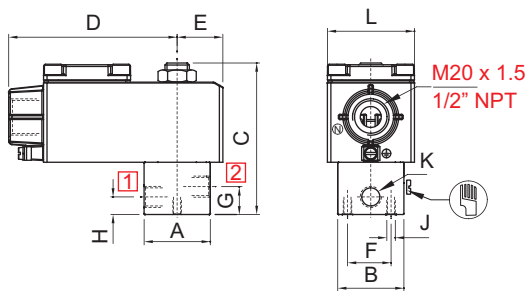
MANUAL OVERRIDE OPTIONALLY PROVIDED



SQUARE PLUG IN SOLENOID TYPE 25

K (PORT SIZE)	A	B	C	D	E	F	G	H	J	L	BODY MATL.	CONST. REF.
VALVE TYPE : 20101 WITH MO												
1/8", 1/4"	38	38	87	66	25	25	16	10	M6	Ø50	AL, BR	5
3/8", 1/2"	60	38	95	66	25	25	20.5	20.5	M6	Ø50	AL, BR	6
1/8", 1/4"	44	Ø48	91	66	25	25	17	10.5	M6	Ø50	SS	7
3/8", 1/2"	58	Ø62	111	68	22	25	14	14	M6	Ø50	SS	8
VALVE TYPE : 20126 WITH MO												
1/8", 1/4"	50	50	104	68	25	25	17	10.5	M6	Ø50	AL, BR	9
3/8", 1/2"	65	50	104	68	25	25	14	14	M6	Ø50	AL, BR	10
1/4"	44	Ø48	91	66	25	25	17	10.5	M6	Ø50	SS	13
1/2"	58	Ø62	111	68	29	25	14	14	M6	Ø50	SS	14

MANUAL OVERRIDE OPTIONALLY PROVIDED

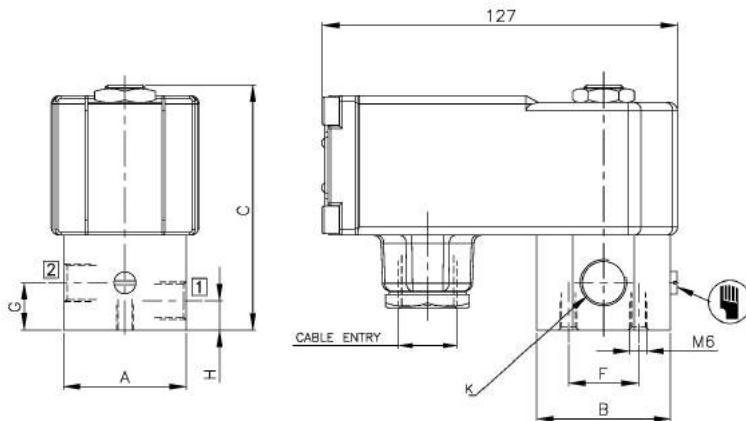


TERMINAL BOX/ Ex d LARGE ENCLOSURE, TYPE 16, 19, 37, 39, 58, 58LT, LC

K (PORT SIZE)	A	B	C	D	E	F	G	H	J	L	BODY MATL.	CONST. REF.
VALVE TYPE : 20101 WITH MO												
1/8", 1/4"	38	38	87	97	26	25	16	10	M6	50	AL, BR	5
3/8", 1/2"	60	38	95	97	26	25	20.5	20.5	M6	50	AL, BR	6
1/8", 1/4"	44	Ø48	91	97	26	25	17	10.5	M6	36	SS	7
3/8", 1/2"	58	Ø62	111	103	28	25	14	14	M6	50	SS	8
VALVE TYPE : 20126 WITH MO												
1/8", 1/4"	50	50	102	103	28	25	17	10.5	M6	50	AL, BR	9
3/8", 1/2"	65	50	102	103	28	25	14	14	M6	50	AL, BR	10
1/4"	44	Ø48	91	103	28	25	17	10.5	M6	50	SS	13
1/2"	58	Ø62	111	103	29	25	14	14	M6	50	SS	14

MANUAL OVERRIDE OPTIONALLY PROVIDED

2/2 DIRECT ACTING NORMALLY CLOSED SOLENOID VALVE

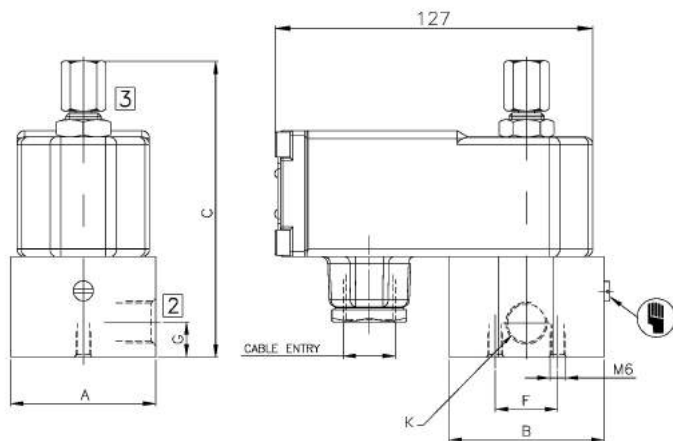


BCE SOLENOID/ Ex d TYPE 87

K (PORT SIZE)	A	B	C	F	G	H	BODY MATL.	CONST. REF.
VALVE TYPE : 20101								
1/8", 1/4"	38	38	87	25	10.5	16	AL, BR	1
3/8", 1/2"	60	38	94	25	20.5	20.5	AL, BR	2
1/8", 1/4"	44	Ø48	87	25	10.5	17	SS	3
3/8", 1/2"	58	Ø62	93	25	14	14	SS	4

6

2/2 DIRECT NORMALLY OPEN SOLENOID VALVE



BCE SOLENOID/ Ex d TYPE 87

K (PORT SIZE)	A	B	C	F	G	BODY MATL.	CONST. REF.
VALVE TYPE : 20201							
1/8", 1/4"	38	38	105	25	16	AL, BR	1
3/8", 1/2"	60	38	115	25	20.5	AL, BR	2
1/8", 1/4"	44	Ø48	105	25	17	SS	3
3/8", 1/2"	58	Ø62	115	25	14	SS	4