

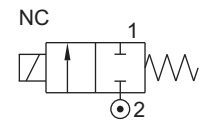
2/2 DIRECT ACTING, NORMALLY CLOSED/ OPEN SUBBASE MOUNTED SOLENOID VALVE

TYPE	PRESSURE

TYPE	PRESSURE



TYPE	PRESSURE
20108	0 - 60 bar



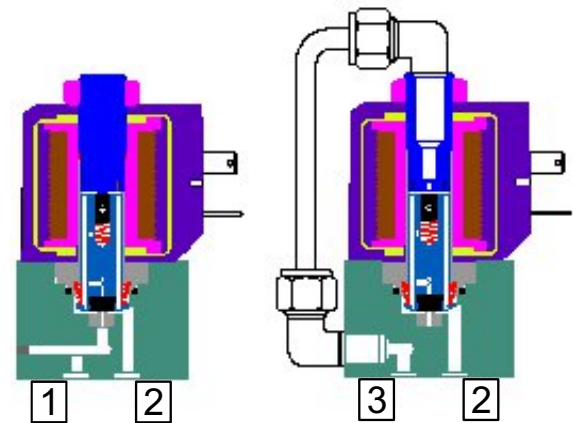
FEATURES

- Bubble tight shut off
- Mounts in any position
- Suitable for Vacuum up to 10⁻⁶ torr
- Vibration resistance up to 9g
- Speed up to 1000 cycles/ min
- Life >10 million cycles
- Manual Over ride optionally provided
- O Rings and fasteners supplied loose with the valve



WETTED PARTS

Code	※		B5
Body	Anodized Aluminium		SS 316
Internals	Aluminium, Brass and SS 316		SS 316
Guide Assembly	SS 304		
Shadow-Ring	Copper/ Silver/ None		
Plunger, Insert	SS 430		
Spring	SS 302		
Fasteners	SS 304		
Seat, Seals	NBR, Viton, EPDM, PTFE		



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

MEDIA

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

APPLICATION

Analyser, Lubrication, Vacuum Venting, Cryogenic, Purging, Welding, Dental Chair, Rinsing, Fire Fighting, Sampling

PORT CONNECTION

	INLET	OUTLET
NC	2	1
NO	3	2

Contact Rotex for

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

SPARES

(Refer page 25 for ordering code)

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

APPROVAL

(* applied for)

Approval	TYPE 4X, 6P	IP67	Ex d IIC T4 or T5 or T6 IP66	Ex ia IIC T6 IP67	DGMS	CCOE
		✓	✓	✓	✓	✓
		✓	✓	✓		
	✓		*			
			✓	✓		
			✓	✓		
			✓	✓		



Select Manifold type MF001/ MF002/ MF011/ MF012/ MF016
 OIL Media Temperature Restricted from 0 °C to 100 °C



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SPECIFICATION

PORT CONNECTION			PRE-SSURE bar		ORIFICE (mm)	FLOW FACTOR kv (LPM OF WATER @ 1 bar ΔP)	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	SS 316	NBR	Viton	EPDM	HYTREL	PTFE+Viton	NIL	STAYPUT CUM MOMENTARY	MOMENTARY	FLYING LEAD	PLUG IN, IP67	SQ. PLUG IN, IP67	TERMINAL BOX IP67	EXPLOSION PROOF IIC, IP67	LARGE ENCLOSURE	SOLENOID SIZE	OXYGEN	AMONIA	

2/2 NORMALLY CLOSED

SB	0	2.5	5	8	20108	*			B5	*	S2	S1		*	M6	M8	F	22	25	T	E	III	14	✓	18	12	8	700
	0	4	4	7	20108	*			B5	*	S2	S1		*	M6	M8	F	22	25	T	E	III	14	✓	18	12	8	700
	0	6	3.5	5	20108	*			B5	*	S2	S1		*	M6	M8	F	22	25	T	E	III	14	✓	18	12	8	700
	0	8	3	4	20108	*			B5	*	S2	S1		*	M6	M8	F	22	25	T	E	III	14	✓	18	12	8	700
	0	12	2.5	3.5	20108	*			B5	*	S2	S1		*	M6	M8	F	22	25	T	E	III	14	✓	18	12	8	700
	0	15	2.2	2.5	20108	*			B5	*	S2	S1		*	M6	M8	F	22	25	T	E	III	14	✓	18	12	8	700
	0	20	1.8	1.8	20108	*			B5	*	S2	S1		*	M6	M8	F	22	25	T	E	III	14	✓	18	12	8	700
	0	60	1.2	0.7	20108	*			B5					S8	*	M5	F	22	25	T	E	III	14	✓	18	12	8	700

SOLENOID 14				
Cable Entry	T	E		
		ÖcA	ÖcA	ÖcA
M20 x 1.5	FJ	İİTÜ	İİTÜ	İİTÜ
M25 x 1.5	Fİ	İİ	İİ	İİ
1/2" NPT	Fİ	İİPÜ	İİPÜ	İİPÜ

Flying lead IP54	F
Flying lead IP67	01

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

ORDERING CODE AND EXAMPLE VALVE + SOLENOID

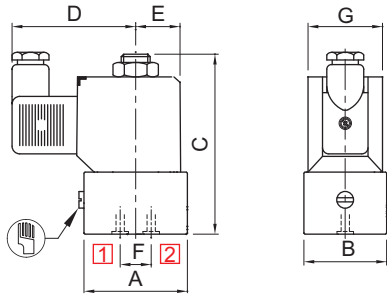
VALVE TYPE – SIL – SUFFIX – ORIFICE – PORT CONNECTION – BODY AND INTERNALS – MANUAL OVERRIDE – SEAL – MEDIA + SIZE – VOLTAGE – CURRENT – SOLENOID ENCLOSURE – SPECIAL VERSION – POWER – INSULATION – APPROVAL – SIL – ACCESSORIES SOLENOID

e.g. 20108-3.5-SB-B5-M6+I-230V-50Hz-22-H



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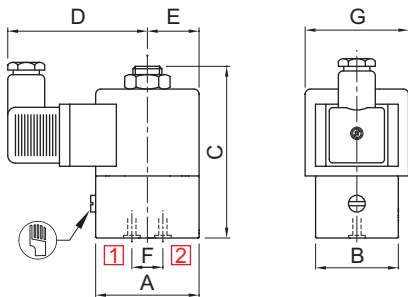
DIMENSIONS All Dimensions are in mm



MANUAL OVERRIDE OPTIONALLY PROVIDED.

PLUG IN SOLENOID TYPE 22

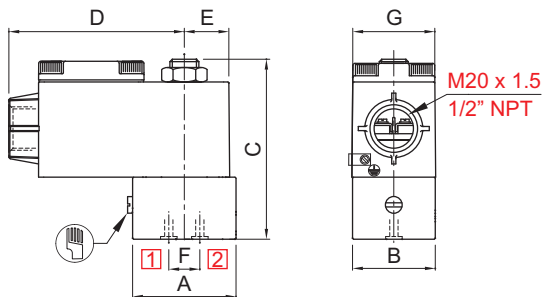
K (PORT SIZE)	A	B	C	D	E	F	G	CONST. REF.
VALVE TYPE : 20108								
SUBBASE	50	40	87	60	22	15	36	700



MANUAL OVERRIDE OPTIONALLY PROVIDED.

SQ. PLUG IN SOLENOID TYPE 25

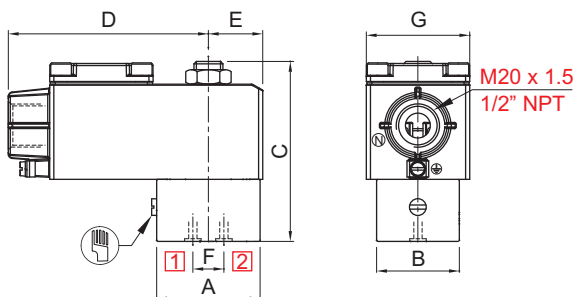
K (PORT SIZE)	A	B	C	D	E	F	G	CONST. REF.
VALVE TYPE : 20108								
SUBBASE	50	40	87	68	25	15	Ø50	700



MANUAL OVERRIDE OPTIONALLY PROVIDED.

TERMINAL BOX/ Ex d TYPE16, 19, 37, 39, 58, 58LT

K (PORT SIZE)	A	B	C	D	E	F	G	CONST. REF.
VALVE TYPE : 20108								
SUBBASE	50	40	87	85	22	15	41	700



MANUAL OVERRIDE OPTIONALLY PROVIDED.

**TERMINAL BOX/ Ex d LARGE ENCLOSURE
TYPE16, 19, 37, 39, 58, 58LT, LC**

K (PORT SIZE)	A	B	C	D	E	F	G	CONST. REF.
VALVE TYPE : 20108								
SUBBASE	50	40	87	97	26	15	50	700