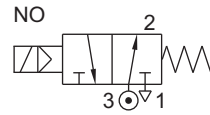


SERIES : 32P

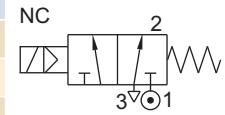
3/2 INTERNAL PILOT OPERATED, NC/ NO SUBBASE MOUNTED SOLENOID VALVE

TYPE	PRESSURE

TYPE	PRESSURE
31205	2 - 10 bar



TYPE	PRESSURE
31123	2 - 10 bar



FEATURES

- Bubble tight shut OFF
- Mounts in any position
- Vibration resistance up to 9g
- Suitable for high speed cycling
- Speed up to 600 cycles/ min
- Life >10 million cycles
- O Rings and fasteners supplied loose with the valve

WETTED PARTS

Code	※	B1	B2	B5
Body	Anodized Aluminium	Anodized Aluminium	Brass	SS 316
Internals	Aluminium, Brass and SS 316	SS 316	Brass and SS 316	SS 316
Guide Assembly	SS 304			
Shadow-Ring	Copper/ Silver/ None			
Plunger, Insert	SS 430			
Spring/ Circlip	SS 302/ Steel			
Fasteners	SS 304			
Seat, Seals	NBR, Viton			

※ Do not specify code if opted

AMBIENT AND FLUID TEMPERATURE

-20 °C to 80 °C

SPECIAL VERSION AND SUFFIX

Suffix : (Valve) OX, AM, WO
 Special versions : (Solenoid) CO, FR, SS, LC, III

MEDIA

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

APPLICATION

Single acting actuator/ Cylinder, control valve actuation

PORT CONNECTION

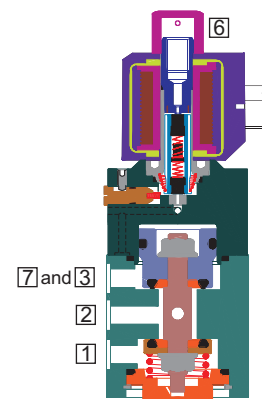
	INLET	OUTLET	EXHAUST	PILOT EXHAUST
NC	1	2	3	6
NO	3	2	1	6

Contact Rotex for

- Any other ambient, fluid temperature, media and application
- UL listed, Listed general purpose Valve
- SIL4 approved valve



The pressure drop at inlet port causes malfunction of the Valve. All equipment connected between the header and the inlet port should have a higher orifice compared to the solenoid Valve. Select Manifold MF009
 OIL Media Temperature Restricted from 0 °C to 100 °C



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	99
Solenoid Kit : Solenoid, Gasket and Nut	34

APPROVAL

(* applied for)

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

3/2 INTERNAL PILOT OPERATED, NC/ NO SUBBASE MOUNTED SOLENOID VALVE

SPECIFICATION

SIZE	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
	BSP(F)	NPT(F)	MINIMUM	MAXIMUM					ALUMINIUM	ALUMINIUM + SS	BRASS	SS 316/ CF8M	NBR	Viton	EPDM	HYTREL	PTFE	NIL	STAYPUT CUM MOMENTARY	MOMENTARY	FLYING LEAD	PLUG IN, IP67	SQ. PLUG IN, IP67	TERMINAL BOX IP67	FPJB Ex d IIC, T4 OR T6, IP67	LARGE ENCLOSURE	SOLENOID SIZE	OXYGEN	

3/2 NORMALLY CLOSED

SB	2	10	7	18	31123	*	B2	B5	*	S2	S1	M0	*	M8	F	22	25	T	E	III	14	✓	18	12	8	711
----	---	----	---	----	-------	---	----	----	---	----	----	----	---	----	---	----	----	---	---	-----	----	---	----	----	---	-----

3/2 NORMALLY OPEN

SB	2	10	7	18	31205	*	B2	B5	*	S2	S1	M0	*	M8	F	22	25	T	E	III	14	✓	18	12	8	711
----	---	----	---	----	-------	---	----	----	---	----	----	----	---	----	---	----	----	---	---	-----	----	---	----	----	---	-----

Cable Entry	T	E	F
M20 x 1.5	FJ	OC/OC	Flying lead IP54 *
M25 x 1.5	HU	IT/IT	Flying lead IP67 01
1/2" NPT	FI	HI	

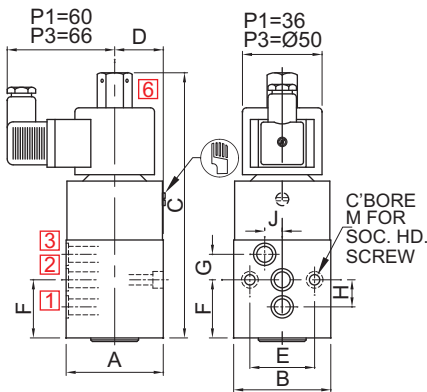
* = Do not specify when opted for
✓ = Options available

ORDERING CODE AND EXAMPLE VALVE + SOLENOID

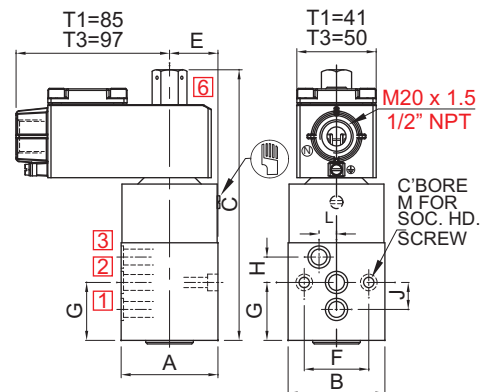
TYPE - SUFFIX - ORIFICE - PORT CONNECTION
 BODY AND INTERNALS - MANUAL OVERRIDE - SEAL+
 SIZE - VOLTAGE - CURRENT - SOLENOID ENCLOSURE
 - APPROVAL - INSULATION - SPECIAL VERSION
 e.g. 31123-7-SB+24V DC-22

DIMENSIONS

All Dimensions are in mm



PLUG IN SOLENOID TYPE 22/ 25

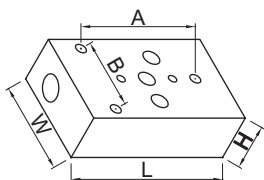


TERMINAL BOX/ Ex d/ LARGE ENCLOSURE, TYPE 16, 19, 37, 39

NW	A	B	C	D	E	F	G	H	J	M	CONST. REF.
VALVE TYPE : 31123, 31205											
7	51	51	157	26	38	34	14	14	9	M6	711

ADOPTER PLATE

Adopter plate is used for mounting 1 No. 31123 valve. This has individual inlet, outlet and exhaust ports. Pilot connection can be provided on the adopter plate



ADOPTOR PLATE	K (PORT SIZE)	L	B	H	A	W
AP3A	1/4"	100	64	32	64	50