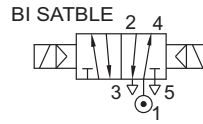


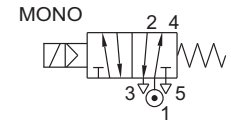
5/2, 3/2 CONVERTIBLE POPPET TYPE, NAMUR SOLENOID VALVE

TYPE	PRESSURE

TYPE	PRESSURE
57442	2 - 10 bar



TYPE	PRESSURE
51442	2 - 10 bar



FEATURES

- This valve is same as 51450 except for coil orientation
- Ideally suited for dusty out door application
- Best suited for low power solenoid or IS coil with circuit
- Dust cap fitted on exhaust port
- In 3/2 mode exhaust purged to spring chamber



Match Slot to 5/2 for 5/2

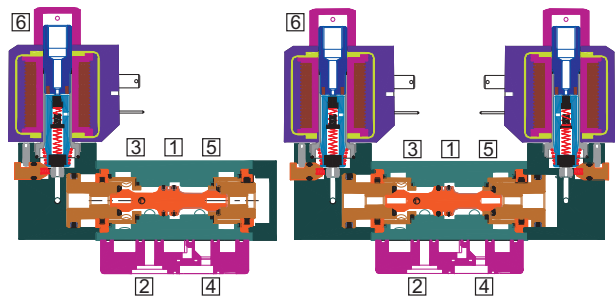


Match Slot to 3/2 for 3/2



WETTED PARTS

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



AMBIENT AND FLUID TEMPERATURE

-20 °C to 80 °C

SPECIAL VERSION AND SUFFIX

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

MEDIA

Air, Inert Gases

APPLICATION

Operation of double/ single acting actuator

PORT CONNECTION

INLET	OUTLET	OUTLET	EXHAUST	EXHAUST	PILOT EXHAUST
1	2	4	3	5	6

Contact Rotex for

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

5/2, 3/2 CONVERTIBLE POPPET TYPE, NAMUR SOLENOID VALVE

SPECIFICATION

SIZE	PORT CONNECTION	PRE-SSURE bar	MINIMUM	MAXIMUM	ORIFICE (mm)	FLOW FACTOR kv (LPM OF WATER @ 1 bar ΔP)	VALVE TYPE	PILOT PRESSURE	BODY MATERIAL AND INTERNALS			SEALS			MANUAL OVERRIDE		SOLENOID ENCLOSURE			OUTLET PORT		POWER VA		CONSTRUCTION REFERENCE NUMBER					
									ALUMINIUM	ALUMINIUM + SS	BRASS (STD. PORT NPT)	SS 316/CF8M (STD. PORT NPT)	NBR	Viton	EPDM	Viton GLT	F-Silicon	NIL	STAYPUT CUM 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	NAMUR
5/2, 3/2 CONVERTIBLE SINGLE SOLENOID																													
1/4"	2G	2R	2	10	6	18	51442		×	B1	B5	×	S2	S2G	S19	M0	×	M8	22	25	T	E	III	14	2	18	12	8	N13
1/2"	4G	4R	2	10	12	60	51442		×	B1	B5	×	S2			M0	×	M8	22	25	T	E	III	14	4	18	12	8	N14
5/2, 3/2 CONVERTIBLE DOUBLE SOLENOID																													
1/4"	2G	2R	2	10	6	18	57442		×	B1	B5	×	S2	S2G	S19	M0	×		22	25	T	E	III	14	2	18	12	8	N13
1/2"	4G	4R	2	10	12	60	57442		×	B1	B5	×	S2			M0	×		22	25	T	E	III	14	4	18	12	8	N14

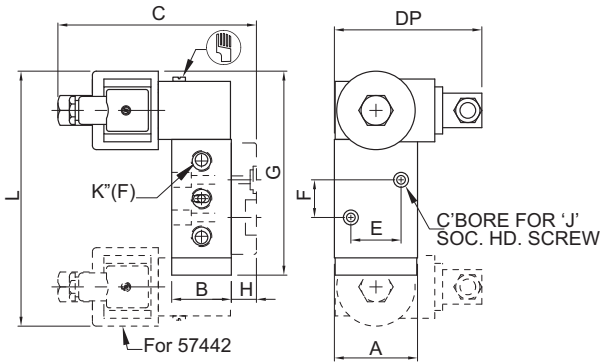
Cable Entry	T	E	×	= Do not specify when opted for
M20 x 1.5	19	39		
1/2" NPT	16	37		

ORDERING CODE, EXAMPLE VALVE + SOLENOID

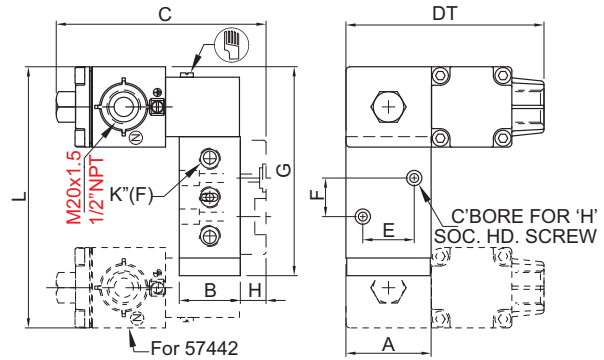
TYPE - SUFFIX - ORIFICE - PORT CONNECTION - BODY AND INTERNALS - MANUAL OVERRIDE - SEAL + SIZE - VOLTAGE - CURRENT - SOLENOID ENCLOSURE - APPROVAL - INSULATION - SPECIAL VERSION
 e.g. 51442-12-4R-B5+12V DC-22

DIMENSIONS

All Dimensions are in mm



PLUG IN SOLENOID TYPE 22/ 25



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

NW	K'' (PORT SIZE)	A	B	C	DP	DT	E	F	G	H	J	L	CONST. REF.
VALVE TYPE : 51442													
6	1/4"	53	38	130	94	123	32	24	130	16	M4	--	N13
12	1/2"	75	45	188	105	134	50	40	174	20	M6	--	N14
VALVE TYPE : 57442													
6	1/4"	53	38	130	94	123	32	24	--	16	M4	163	N13
12	1/2"	75	45	188	105	134	50	40	--	20	M6	230	N14