

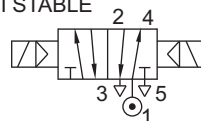
## SERIES : 52S

### 5/2, 3/2 CONVERTIBLE INLINE POPPET, NAMUR SOLENOID VALVE

TYPE	PRESSURE

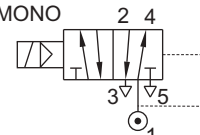
TYPE	PRESSURE
<b>Fi i EXEC</b>	2 - 10 bar

BI STABLE



TYPE	PRESSURE
<b>Fi i EXEC</b>	2 - 10 bar

MONO



#### FEATURES

- Ideally suited where speed control by blocking exhaust is desired
- Power fail to reset
- Non return plug provided on the exhaust port
- In 3/2 mode exhaust purged to spring chamber



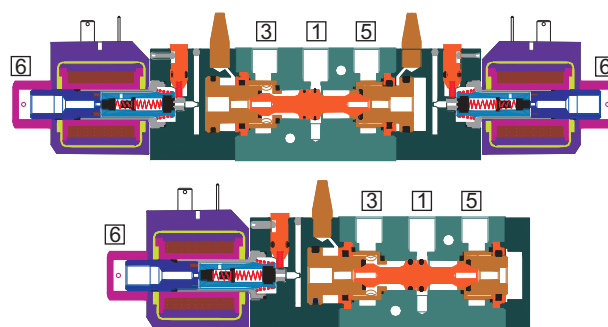
Match Slot to 5/2 for 5/2



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	SS 302		
Fasteners	SS 304		
Seat, Seals	NBR, Viton		



#### AMBIENT AND FLUID TEMPERATURE

-30 °C to 75 °C

#### SPECIAL VERSION AND SUFFIX

Suffix : (Valve) AM

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

#### 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, Piston Kit	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
		✓	✓	✓	✓	✓
		✓	✓	✓		
	✓		*			
			✓	✓		
			✓	✓		
			✓	✓		



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

### 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		OUTLET PORT	POWER VA		CONSTRUCTION REFERENCE NUMBER								
SIZE	BSP(F)	NPT(F)	MINIMUM					MAXIMUM	ALUMINIUM			ALUMINIUM + SS	BRASS (STD. PORT NPT)	SS 316/CF8 (STD. PORT NPT)	NBR		Viton	EPDM		Viton GLT	F. Silicon	NIL	STAYPUT CUM MOMENTARY	MOMENTARY	FLYING LEAD	PLUG IN, IP67	SQ. PLUG IN, IP67

#### 5/2, 3/2 CONVERTIBLE SINGLE SOLENOID

1/4"	2G	2R	2	10	6	12	51450V02			×	B1	B5	×	S2					M0	×	M8		22	25	T	E	III	14	2	18	12	8	N15
1/2"	4G	4R	2	10	12	60	51450			×	B1	B5	×	S2					M0	×	M8		22	25	T	E	III	14	4	18	12	8	N16

#### 5/2, 3/2 CONVERTIBLE DOUBLE SOLENOID

1/4"	2G	2R	2	10	6	12	57450V02			×	B1	B5	×	S2					M0	×			22	25	T	E	III	14	2	18	12	8	N15
1/2"	4G	4R	2	10	12	60	57450			×	B1	B5	×	S2					M0	×			22	25	T	E	III	14	4	18	12	8	N16

Cable Entry	T	Öc/A	Öc/A	Öc/A	Öc/A
M20 x 1.5	FJ	HJ	ITÜ	ITÜ	ITÜ
M25 x 1.5			IT	IT	IT
1/2" NPT	FJ	HJ	ITÜ	ITÜ	ITÜ

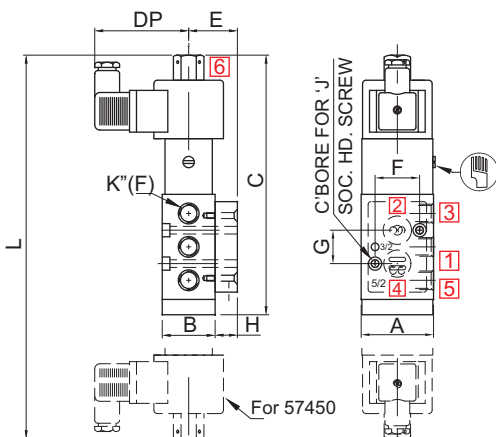
× = Do not specify when opted for. Refer Page # 22 for Value of ×

### ORDERING CODE, EXAMPLE VALVE + SOLENOID

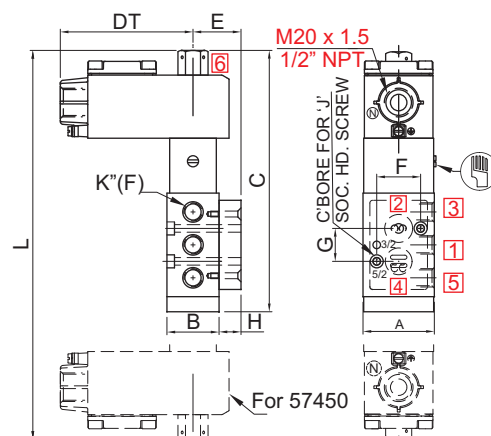
TYPE - SUFFIX - ORIFICE - PORT CONNECTION - BODY AND INTERNALS - MANUAL OVERRIDE - SEAL + SIZE - VOLTAGE - CURRENT - SOLENOID ENCLOSURE - APPROVAL - INSULATION - SPECIAL VERSION  
e.g. 57450-12-4G+110V DC-39

### DIMENSIONS

All Dimensions are in mm



PLUG IN SOLENOID TYPE 22/ 25



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

NW	K'' (PORT SIZE)	A	B	C	DP	DT	E	F	G	H	J	L	CONST. REF.
VALVE TYPE : 51450, 51450V01													
6	1/4"	53	38	191	68	97	35	32	24	16	M5	--	N15
12	1/2"	75	45	228	68	97	42.5	45	40	20	M6	--	N16
VALVE TYPE : 57450, 57450V01													
6	1/4"	53	38	--	68	97	35	32	24	16	M5	289	N15
12	1/2"	75	45	--	68	97	42.5	45	40	20	M6	232	N16

6

Specifications are subject to change without notice.

