

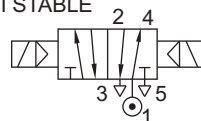
SERIES : 52S

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

TYPE	PRESSURE

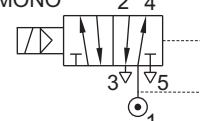
TYPE	PRESSURE
57450V02	2 - 10 bar

BI STABLE



TYPE	PRESSURE
51450V02	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



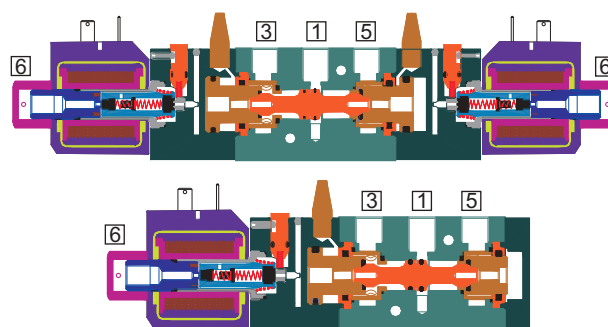
Match Slot to 5/2 for 5/2



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	TERMINAL BOX IP67	EXPLOSION PROOF IIC, IP67	LARGE ENCLOSURE

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

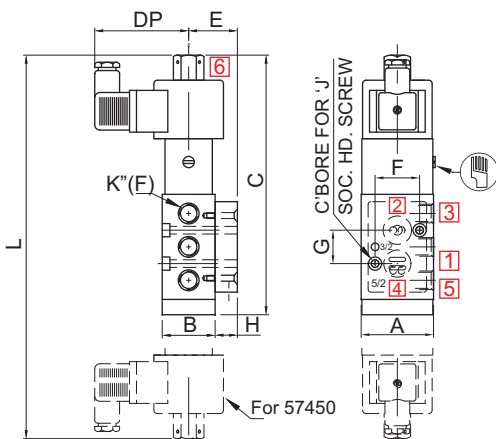
× = Do not specify when opted for. Refer Page # 22 for Value of ×

ORDERING CODE, EXAMPLE VALVE + SOLENOID

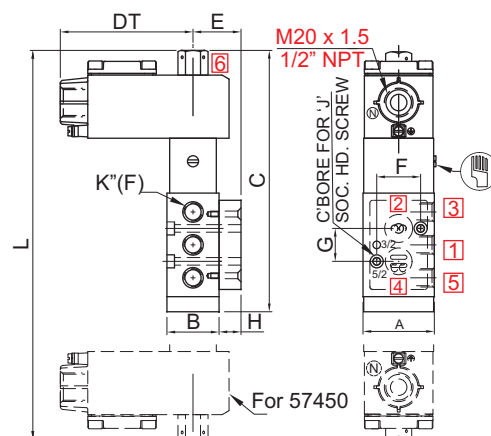
TYPE - SUFFIX - ORIFICE - PORT CONNECTION - BODY AND INTERNALS - MANUAL OVERRIDE - SEAL + SIZE - VOLTAGE - CURRENT - SOLENOID ENCLOSURE - APPROVAL - INSULATION - SPECIAL VERSION
e.g. 57450-12-4G+110V DC-39

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

