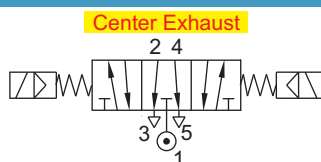


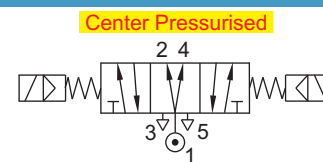
SERIES : 32P

5/3 CENTER EXHAUST/ PRESSURISED, POPPET SOLENOID VALVE

TYPE	PRESSURE
51416	2 - 10 bar



TYPE	PRESSURE
51420	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

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	SS 302			
Seat, Seals	NBR, Viton, F.Silicon			
Fasteners	SS 304			

AMBIENT AND FLUID TEMPERATURE

-30 °C to 75 °C

SPECIAL VERSION AND SUFFIX

Suffix (valve) AM
Special version (Solenoid) CO, FR, SS, III

MEDIA

Air, Inert Gases

APPLICATION

Double acting actuator/ Cylinder, control valve promotional actuation. Air motor operation

PORT CONNECTION

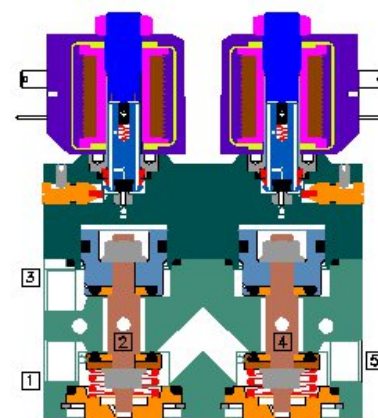
INLET	OUTLET	OUTLET	EXHAUST	EXHAUST	PILOT EXHAUST
1	2	4	3	5	6

Contact Rotex for

- Any other ambient, fluid temperature, media and application
- UL listed, Listed general purpose Valve
- Media like Water, Light Oil etc.



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.



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
		✓	✓	✓	✓	✓
CE		✓	✓	✓		
UL	✓		*			
			✓	✓		
EAC			✓	✓		
			✓	✓		

5/3 CENTER EXHAUST/ PRESSURISED, POPPET SOLENOID VALVE

SPECIFICATION

PORT CONNECTION	SIZE	PRE-SURE bar		ORIFICE (mm)	FLOW FACTOR kv (LPM OF WATER @ 1 bar ΔP)	VALVE TYPE					
	BSP(F)	NPT(F)	MINIMUM								
			MAXIMUM								
PILOT PRESSURE	BODY MATERIAL AND INTERNALS			SEALS	MANUAL OVERRIDE	SOLENOID ENCLOSURE		SUFFIX	POWER VA		CONSTRUCTION REFERENCE NUMBER
	ALUMINIUM					WEATHER PROOF	EXPLOSION PROOF				
	ALUMINIUM + SS										
	BRASS (STD. PORT NPT)				FLYING LEAD	PLUG IN, IP67	SQ. PLUG IN, IP67	TERMINAL BOX IP67	EXPLOSION PROOF IIC, IP67	LARGE ENCLOSURE	
	SS 316/ CF8 (STD. PORT NPT)										
	NBR	Viton	EPDM		HYTREL	F. Silicon	NIL	STAYPUT CUM MOMENTARY	MOMENTARY		

5/3 CENTER, EXHAUST POPPET SOLENOID VALVE

[illegible]

5/3 CENTER, PRESURISED POPPET SOLENOID VALVE

[illegible]

SOLENOID 14							
Cable Entry	T		E				
			Ex d	Ex ia	Ex emb		
M20 x 1.5	19	17MS	39	87MS	66MS	58MS	58LTMS
M25 x 1.5		17		87	66	58	58LT
1/2" NPT	16	17NS	37	87NS	66NS	58NS	58LNS

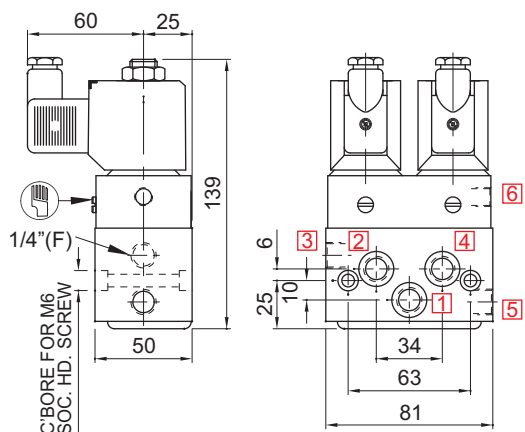
※ = Do not specify when opted for. Refer Page # 22 for Value of ※
✓ = Options available

[illegible]

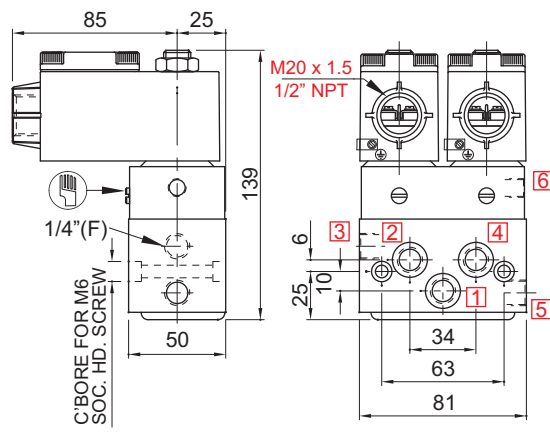
TYPE - SUFFIX - ORIFICE - PORT CONNECTION - BODY AND INTERNALS - MANUAL OVERRIDE - SEAL +
SIZE - VOLTAGE - CURRENT - SOLENOID ENCLOSURE - APPROVAL - INSULATION - SPECIAL VERSION
e.g. 51416-10-3G-S2-MO+24V DC-22

DIMENSIONS

All Dimensions are in mm

CONSTRUCTION REFERENCE : 574

PLUG IN SOLENOID TYPE 22

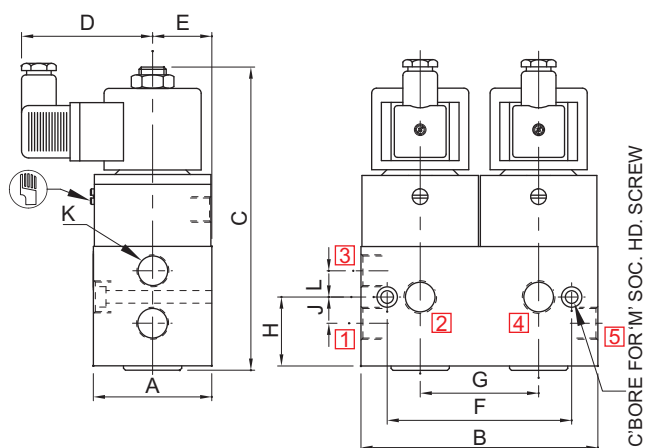
CONSTRUCTION REFERENCE : 574

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

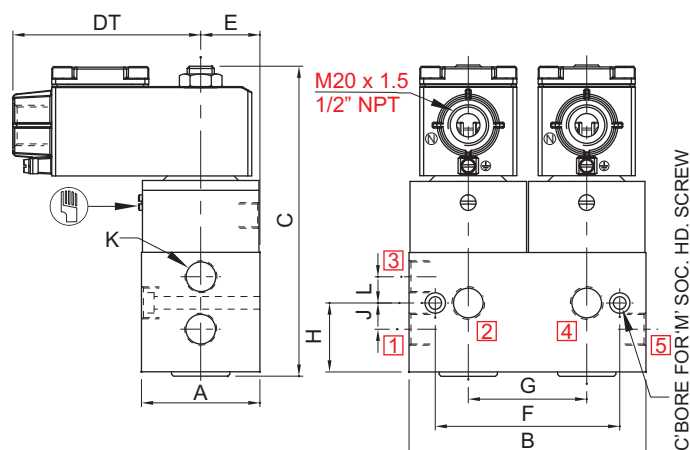
5/3 CENTER EXHAUST/ PRESSURISED, POPPET SOLENOID VALVE

DIMENSIONS

All Dimensions are in mm



SQUARE PLUG IN SOLENOID TYPE 25

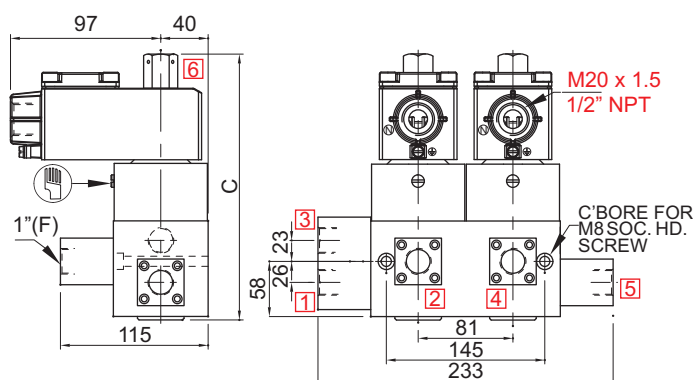


TERMINAL BOX/ Ex d LARGE ENCLOSURE, TYPE 16, 19, 37, 39, 58, 58LT

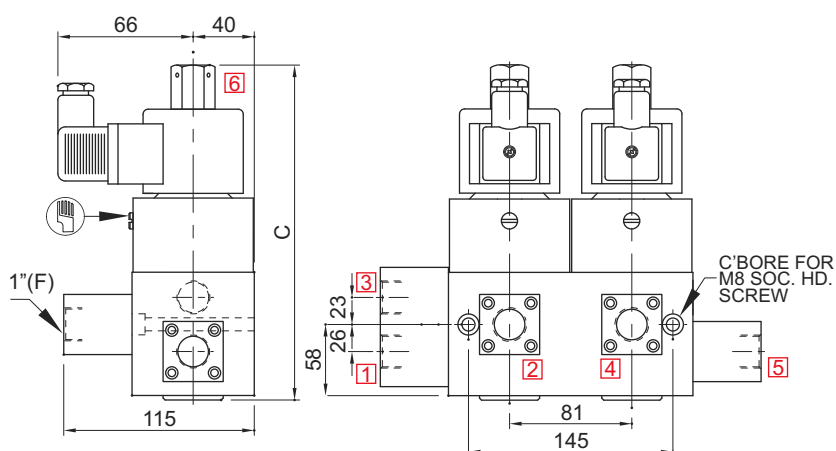
NW	K (PORT SIZE)	A	B	C	D	DT	E	F	G	H	J	L	M	CONST. REF.
VALVE TYPE : 51416, 51420														
10	3/8"	61	122	171	68	97	30.5	95	61	35.5	13.5	13.5	M6	575
16	1/2"	81	165	201	68	97	40.5	145	81	47.5	18	18	M8	576
20	3/4"	81	165	210	68	97	40.5	145	81	57.5	26	23	M8	577

CONSTRUCTION REFERENCE : 578

VALVE TYPE : 51416, 51420 ORIFICE : 25 MM



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



PLUG IN SOLENOID TYPE 25