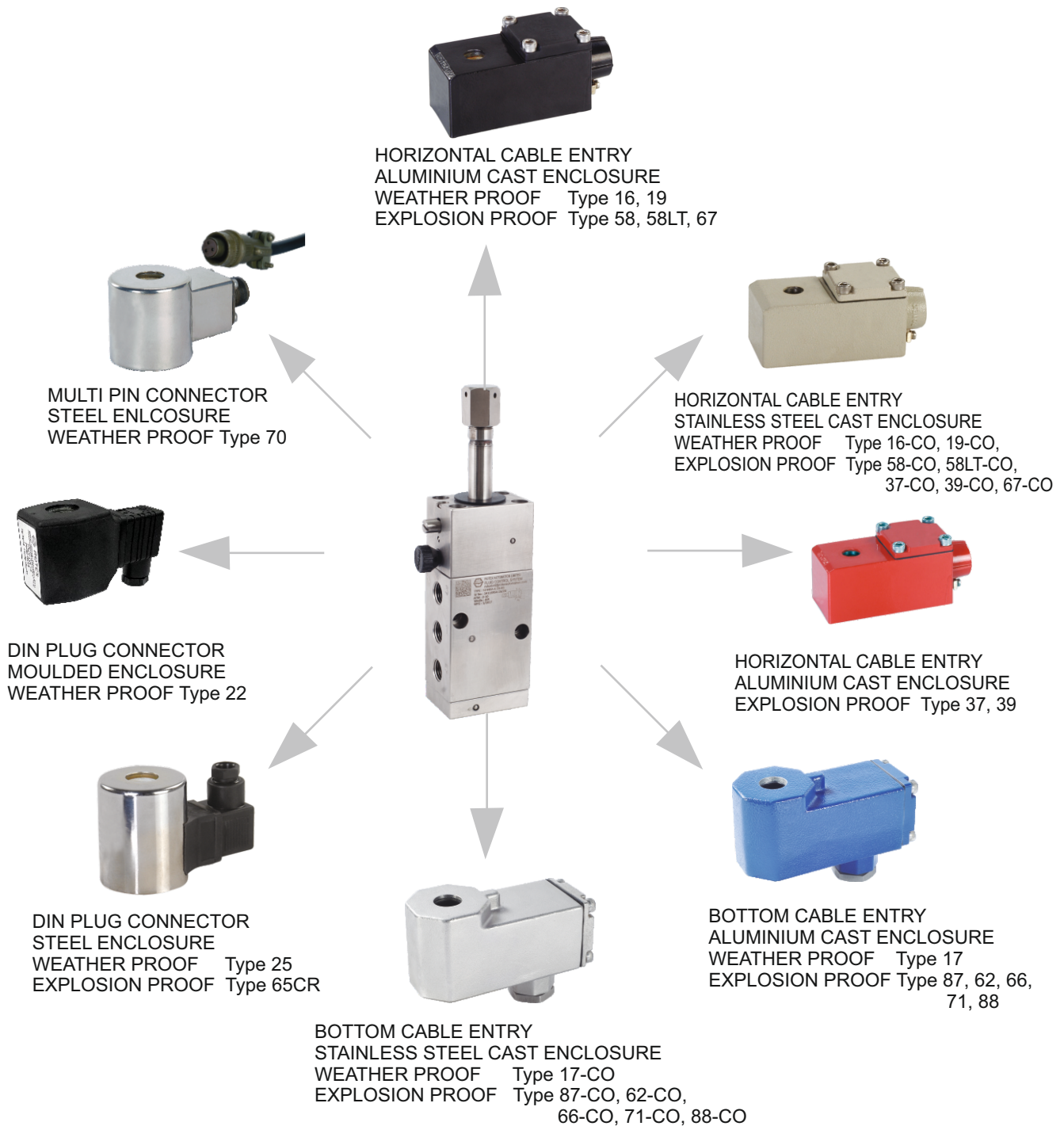


5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

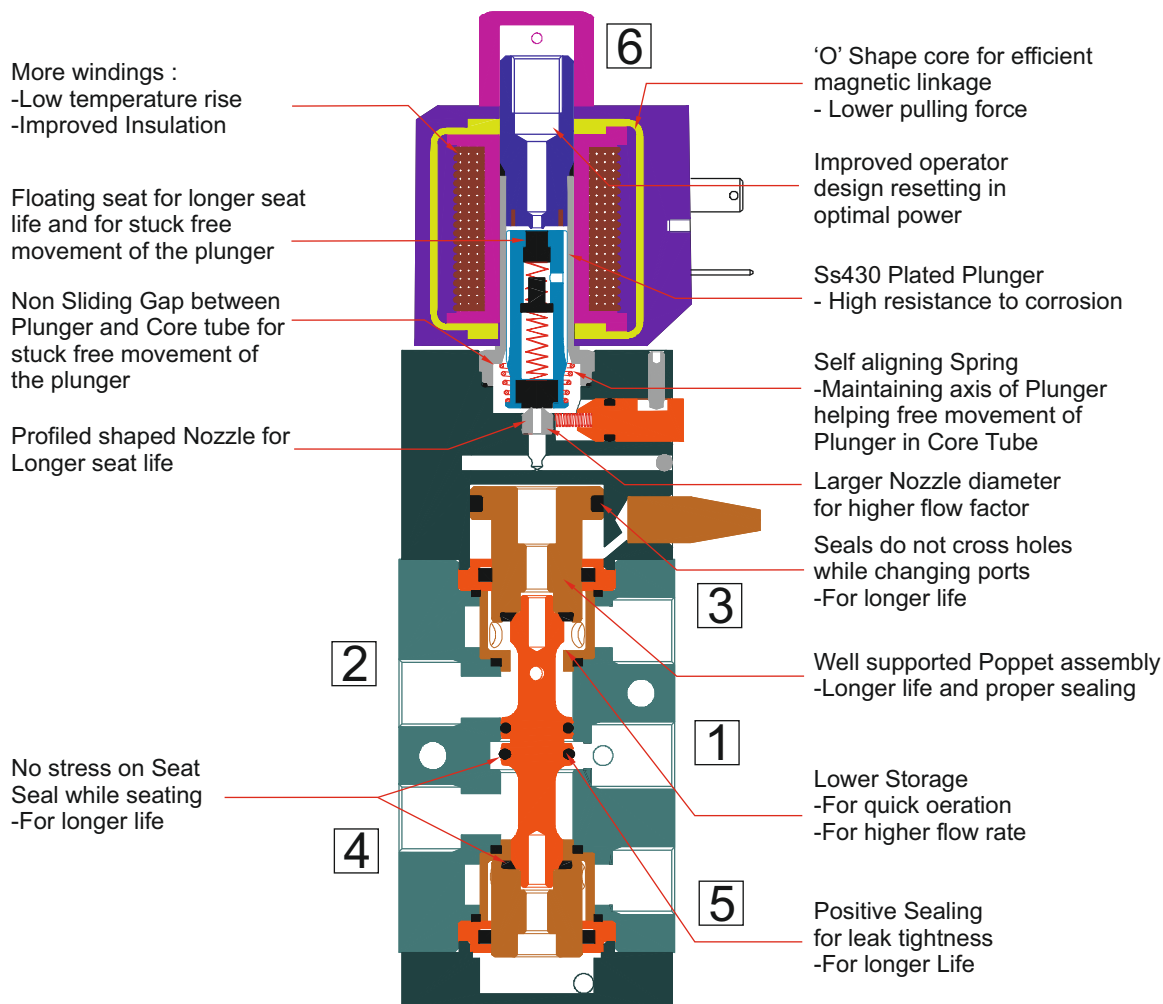


**Interchangeable across
Voltage/ Current range without
affecting performance of the Valve**

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

FEATURES

- Bubble tight shut OFF
- Can be used as 3/2 NC/ NO by plugging port 4/2
- Vibration resistance up to 9g
- Ideally suited where speed control by blocking exhaust is desired
- Suitable for high speed cycling, speed upto 500 cycles/ min
- Life >20 million cycles



VOLTAGE VARIATION

(For Continuous Duty)

Rated Voltage	Operating Voltage
6	4.8V to 7.2V
12	9.6V to 14.4V
24	19.2V to 28.8V
48	38.4V to 57.6V
110 to 120	88V to 132V
220/ 230/ 240	176V to 264V
256	205V to 280V

WEIGHT IN Kg. (lbs)

(Appx.)

Valve

Orifice - Port Connection	Al	Brass	SS316
6-2G/ 2R	0.90 (1.98)	1.90 (4.18)	1.80 (3.96)
12-3G/ 3R/ 4G/ 4R	1.50 (3.30)	4.00 (8.81)	3.50 (7.71)
25-6G/ 6R/ 8G/ 8R	4.40 (9.70)	5.50 (19.42)	11.20 (24.69)
40-12G/ 12R	-	-	25.70 (56.65)
50-16G/ 16R	-	-	68.00 (149.9)

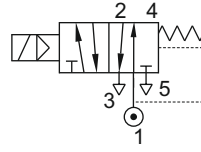
Solenoid

Type	Size	kg. (lbs)
22	I	0.25 (0.55)
25, 65CR	II	0.45 (0.99)
	III	0.40 (0.88)
	IV	0.50 (1.10)

Type	Size	Enclosure	
		Al	SS
16, 19, 37, 39, 58, 58LT, 67	II, IV	0.85 (1.87)	1.70 (3.74)
	III	0.60 (1.32)	1.50 (3.30)
17, 62, 66, 71, 87, 88	II, IV	1.00 (2.91)	1.65 (3.63)
	III	0.90 (1.98)	1.50 (3.30)

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

TYPE	PRESSURE bar (psi)
51440	2 - 10 (29 - 150)
51440A	2 - 10 (29 - 150)
51441	2 - 16 (29 - 232)
P5003	2 - 10 (29 - 150)
P5011	2 - 8 (29 - 116)
51440LW	2 - 10 (29 - 150)
I5005	2 - 11 (29 - 159)



WETTED PARTS

Code	※	B2	B5	B17	B12
Body	Anodized Aluminium	Brass	SS316	Brass Forged	CF8M (SS316 Cast)
Internals	Aluminium, Brass and SS316	Brass and SS316	SS316	Brass CF8M	CF8M
Guide	SS304				
Shadow-Ring	Copper/ None				
Plunger, Insert	SS430				
Spring	SS302				
Fasteners	SS304				
Seat, Seals	NBR, Viton, F Silicon				

APPLICATION

Operation of double acting Cylinder / Actuator



PESO



UL



KOSHA



NACE
MR 0175-1

POWER

Type	Power		Ex ia		
	Normal	Low	Type : 66/ 62	Type : 65CR, 67, 71	
51440, 51441, 51440A	6W/ 8W	2W	1.8W	1W	1W
P5003					
P5003					
51440LW					
P5003, P5011					
51440A, 51440, 51441					
I5005					
Size	I/ III	I/ III	IV	IV	III

SPARES

SPARE KIT	CODE
Seal Kit : Oring Set and Plunger Assembly	98
Repair Kit : All Components except Body, Cover and Solenoid	99
Solenoid Kit : Solenoid, Gasket	34

PORT CONNECTION

VALVE TYPE	INLET	OUTLET	OUTLET	EXHAUST	EXHAUST	PILOT EXHAUST
51440, 51441, 51440A, P5003, P5011, 51440LW, I5005,	1	2	4	3	5	6

Contact Rotex for

- Any other Temperature Range, Media and Application

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

SPECIFICATION

VALVE		SOLENOID	
Valve Type	5/2 Internal pilot operated, Spring Return Inline single solenoid poppet valve	Voltage-Current	DC 12V, 24V, 48V, 110V, 220V, 256V AC (50Hz / 60Hz) 24V, 110V, 120V, 220V, 240V AC / DC (50Hz / 60Hz / DC) 24V, 110V, 120V, 230, 240V
Body Material	Aluminium / Brass / Stainless Steel 316 / Brass forging / CF8M	Power	8W / 6W / 2W / 1.8W / 1W
Port Connection	1/4", 3/8", 1/2", 3/4", 1", 1 1/2", 2"	Protection	Weather Proof IP67 Explosion Proof Ex d, Ex ia, Ex e mb, IIC, T6 / T5 / T4 IP67
Orifice	6mm (1/4") / 12mm (1/2") / 25mm (1") / 40mm (1 1/2") / 50mm (2")	Cable Entry	Pg9 / M20X1.5 / 1/2" NPT / M25 X 1.5
Seals	NBR / Viton / F.Silicon		
Manual Override	Stayput/ Momentary/ Without Manual Override		
Flow factor Orifice-kv / Kv / Cv	6mm (1/4") - 12 / 0.72 / 0.84 12mm (1/2") - 50 / 3 / 3.5 25mm (1") - 150 / 9.0 / 10.4 (Port 3/4") 25mm (1") - 185 / 11.1 / 13 (Port 1") 40mm (1 1/2") - 410 / 25 / 29 50mm (2") - 650 / 39 / 45		
Media	Air/ Inert Gas		
13 Ambient, Fluid Temperature	-25 °C to 75 °C, Optionally -60 °C to 170 °C (-13 °F to 167 °F), Optionally (-76 °F to 338 °F)		
Response ON / OFF Pressure	≤ 50ms / ≤ 90ms 2 - 8 bar (29 - 116 psi) 2 - 10 bar (29 - 150 psi) 2 - 11 bar (29 - 159 psi) 2 - 16 bar (29 - 232 psi)		

ORDERING CODE Solenoid Valve (Valve Code + Solenoid Code)

VALVE 51440A	-	SIL SL	-	SUFFIX ※	-	ORIFICE 6	-	PORT CONNECTION 2G	-	BODY INTERNAL B5	-	MANUAL OVERRIDE M0	-	SEAL S2G	-	27 MEDIA ※
ACCESSORIES VALVE, PORT A3	+	SIZE III	-	VOLTAGE, CURRENT 24V DC	-	ENCLOSURE 37	-	7 MTL CO	-	SPECIAL ※	-	POWER ※	-	INSULATION H	-	APPROVAL 01
SIL SL	-	ACCESSORIES SOLENOID B4														

ORDERING CODE Valve Spare Kit

SPARE KIT 99	-	VALVE TYPE 51440A	-	SIL SL	-	SUFFIX *	-	ORIFICE 6	-	PORT CONNECTION 2G	-	BODY INTERNAL B5	-	MANUAL OVERRIDE M0
-	SEAL S2G	-	ACCESSORIES VALVE, PORT A3											

ORDERING CODE Spare Solenoid

SOLENOID KIT 34	-	SIZE III	-	VOLTAGE, CURRENT 24V DC	-	ENCLOSURE 37	-	7 MTL CO	-	SPECIAL *	-	POWER *	-	INSULATION H	-	APPROVAL 01
-	SIL SL	-	ACCESSORIES SOLENOID B4													

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

VALVE TYPE-ORIFICE	
CODE	DESCRIPTION
SINGLE SOLENOID, AIR+SPRING RETURN	
NORMAL POWER	
51440A-6	2 -10 bar (29 - 150 psi), 8 Watt, Port ¼"
51441-6	2 -16 bar (29 - 232 psi), 8 watt, Port ¼"
51440-12	2-10 bar (29 - 150 psi), 8 Watt, Port ¾" & ½"
51441-12	2-16 bar (29 - 232 psi), 8 Watt, Port ¾" & ½"
51440V01-25	2-10 bar (29 - 150 psi), 8 Watt, Port ¾" & 1"
51441V01-25	2-16 bar (29 - 232 psi), 8 Watt, Port ¾" & 1"
17 51440V01-40	2-10 bar (29 - 150 psi), 8 Watt, Port 1 ½", Size III, Current DC, AC/ DC
17 51440-50	2-10 bar (29 - 150 psi), 8 Watt, Port 2", Size III, Current DC, AC/ DC
LOW POWER	
P5003-6	2-10 bar (29 - 150 psi), 2 Watt, Port ¼", Size III
P5003-12	2-10 bar (29 - 150 psi), 2 Watt, Port ¾" & ½", Size III
P5003V01-25	2-10 bar (29 - 150 psi), 2 Watt, Port ¾" & 1", Size III
P5003V01-40	2-10 bar (29 - 150 psi), 1.8 Watt, Port 1 ½", Size IV
51440V01LW-40	2-10 bar (29 - 150 psi), 1.0 Watt, Port 1 ½", Size IV, Power LW1, Enclosure Type 17 or 87
11 P5003-6	2-10 bar (29 - 150 psi), 0.4 Watt, Port ¼", Size III, Power LB04
11 P5003-12	2-10 bar (29 - 150 psi), 0.4 Watt, Port ¾" & ½", Size III, Power LB04
11 P5003V01-25	2-10 bar (29 - 150 psi), 0.4 Watt, Port ¾" & 1", Size III, Power LB04
P5011-6	2-8 bar (29 - 116 psi), 1 Watt, Port ¼", Size III, Power LW1
P5011-12	2-8 bar (29 - 116 psi), 1 Watt, Port ¾" & ½", Size III, Power LW1
P5011V01-25	2-8 bar (29 - 116 psi), 1 Watt, Port ¾", 1", Size III, Power LW1
INTRINSICALLY SAFE Ex ia 24V DC	
51440A-6	2-10 bar (29 - 150 psi), Port ¼", Ex ia Enclosure Type 66, Size III
51440-12	2-10 bar (29 - 150 psi), Port ¾" & ½", Ex ia Enclosure Type 66, Size III
51440V01-25	2-10 bar (29 - 150 psi), Port ¾" & 1" Ex ia Enclosure Type 66, Size III
P5003-6	2-10 bar (29 - 150 psi), Port ¼", Ex ia Enclosure Type 66-BP, Size III
51440V01-40	2-10 bar (29 - 150 psi), Port 1 ½", Ex ia Enclosure Type 62, Size IV
51440-50	2-10 bar (29 - 150 psi), Port 2", Ex ia Enclosure Type 62, Size IV
I5005-6	2-11 bar (29 - 159 psi), Port ¼", Enclosure Type 65CR, 67, 71
I5005-12	2-11 bar (29 - 159 psi), Port ¾", ½", Enclosure Type 65CR, 67, 71
I5005V01-25	2-11 bar (29 - 159 psi), Port ¾", 1", Enclosure Type 65CR, 67, 71

SIL CERTIFIED	
CODE	DESCRIPTION
1 ✖	NO
SL	YES

SUFFIX	
CODE	DESCRIPTION
1 ✖	NIL
8 AM	Ammonia
18 TC	3 Port NC
19 TO	3 Port NO

ORIFICE	
CODE	DESCRIPTION
6	6 mm (¼")
12	12 mm (½")
25	25 mm (1")
17 25	40 mm (1½")
17 50	50 mm (2")

PORT CONNECTION			
CODE	DESCRIPTION	CODE	DESCRIPTION
2G	¼" BSP	6G	¾" BSP
2R	¼" NPT	6R	¾" NPT
3G	¾" BSP	8G	1" BSP
3R	¾" NPT	8R	1" NPT
4G	½" BSP	12G	1 ½" BSP
4R	½" NPT	12R	1 ½" NPT
		16G	2" BSP
		16R	2" NPT

MANUAL OVERRIDE	
CODE	DESCRIPTION
M0	NIL
1 ✖	Stayput
M8	Momentary

27 MEDIA	
CODE	DESCRIPTION
1 ✖	Air, Inert Gas

SEAL		MEDIA
CODE	GRADE, AMBIENT/ FLUID TEMPERATURE	1 ✖
1 ✖	NBR, -25 °C to 75 °C (-13 °F to 167 °F)	✓
S2G	VITON, -40 °C to 160 °C (-40 °F to 320 °F)	✓
S19	F. Silicon, -60 °C to 190 °C (-76 °F to 374 °F)	✓

BODY MATERIAL						
CODE	DESCRIPTION	ORIFICE				
		6	12	25	40	50
①※	ALUMINIUM	✓	✓	✓		
B2	BRASS	✓	✓			
B5	SS316	✓	✓	✓		✓
B5N	SS316 NACE Compliance	✓	✓	✓		✓
②B17	BRASS FORGING			✓		
②B12	CF8M (CAST SS316)				✓	

SIZE-VOLTAGE CURRENT		
CODE	SIZE	COIL VOLTAGE
I-12V DC	I	12V DC
I-24V DC	I	24V DC
I-24V 50Hz	I	24V 50Hz/ 60Hz
I-110V 50Hz	I	110V 50Hz/ 120V 60Hz
I-230V 50Hz	I	230V 50Hz/ 240V 60Hz
III-12V DC	III	12V DC
III-24V DC	III	24V DC
III-24V 50Hz	III	24V 50Hz/ 60Hz
III-24V AC/ DC	III	4 24V 50Hz/ 60Hz/ DC
III-48V DC	III	48V DC
III-110V DC	III	110V DC
III-110V 50Hz	III	110V 50Hz/ 120V 60Hz
III-110V AC/ DC	III	4 110V 50Hz/ 60Hz/ DC 120V 50Hz/ 60Hz/ DC
III-220V DC	III	220V DC
III-230V 50Hz	III	230V 50Hz/ 240V 60Hz
III-230V AC/ DC	III	4 220V 50Hz/ 60Hz/ DC 240V 50Hz/ 60Hz/ DC
III-256V DC	III	256V DC
IV-24V DC	IV	24V DC

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

ENCLOSURE TYPE	
CODE	DESCRIPTION
WEATHER PROOF	
⑤ 22	DIN Plug Solenoid, IP67, Cable Entry Pg9, as per DIN43650A, Size I
⑤ 25	DIN Plug Solenoid, IP67, Cable Entry Pg9, as per DIN43650B, Size III, IV
16	Integrated Terminal Box, IP67, ½" NPT, -40 °C to 100 °C (-40 °F to 212 °F)
16-A	Integrated Terminal Box, IP68, 1/2" NPT, -40 °C to 100 °C (-40 °F to 212 °F)
19	Integrated Terminal Box, IP67, M20 X 1.5, -40 °C to 100 °C (-40 °F to 212 °F)
19-A	Integrated Terminal Box, IP68, M20 X 1.5, -40 °C to 100 °C (-40 °F to 212 °F)
17	Integrated Terminal Box, Bottom Cable entry M25 X 1.5, Size III, IV, Insulation Class H
17-NS	Integrated Terminal Box, Bottom Cable entry ½" NPT, Size III, IV, Insulation Class H
EXPLOSION PROOF Ex d (For Gas & Dust)	
⑮ 37	Ex d IIC IP66, -40 °C to 60 °C (-40 °F to 140 °F), ½" NPT
⑮ 39	Ex d IIC IP66, -40 °C to 60 °C (-40 °F to 140 °F), M20 X 1.5
87	Ex d IIC IP67, -60 °C to 100 °C (-76 °F to 212 °F), M25 X 1.5, Size III, IV
87-MS	Ex d IIC IP67, -60 °C to 100 °C (-76 °F to 212 °F), M20 X 1.5, Size III, IV
87-NS	Ex d IIC IP67, -60 °C to 100 °C (-76 °F to 212 °F), ½" NPT, Size III, IV
88	Explosion Proof, UL Listed, -60 °C to +100 °C (-76 °F to 212 °F), M25 X 1.5, Size II, III, IV
88-MS	Explosion Proof, UL Listed, -60 °C to +100 °C (-76 °F to 212 °F), M20 X 1.5, Size II, III, IV
88-NS	Explosion Proof, UL Listed, -60 °C to +100 °C (-76 °F to 212 °F), ½" NPT, Size II, III, IV
EXPLOSION PROOF Ex e mb (For Gas & Dust)	
58	Ex e mb IIC, IP67, -40 °C to 70 °C (-40 °F to 158 °F), M25 X 1.5
58-MS	Ex e mb IIC, IP67, -40 °C to 70 °C (-40 °F to 158 °F), M20 X 1.5
58-NS	Ex e mb IIC, IP67, -40 °C to 70 °C (-40 °F to 158 °F), ½" NPT
58LT	Ex e mb IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M25 X 1.5
58LT-MS	Ex e mb IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M20 X 1.5
58LT-NS	Ex e mb IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), ½" NPT
EXPLOSION PROOF Ex ia (For Gas & Dust)	
62	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M25 X 1.5, Size IV, Booster Circuit
62-MS	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M20 X 1.5, Size IV, Booster Circuit
62-NS	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), ½" NPT, Size IV, Booster Circuit
③ 65CR	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), Pg9, Size III, DIN Plug In Enclosure
66	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M25 X 1.5, Size III, Booster Circuit
66-MS	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M20 X 1.5, Size III, Booster Circuit
66-NS	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), ½" NPT, Size III, Booster circuit
66-BP	Ex ia IIC, IP67, -60°C TO 70°C (-76°F to 158°F), M25 X 1.5, Size III, Booster Circuit
66-MS-BP	Ex ia IIC, IP67, -60°C TO 70°C (-76°F to 158°F), M20 X 1.5, Size III, Booster Circuit
66-NS-BP	Ex ia IIC, IP67, -60°C TO 70°C (-76°F to 158°F), ½" NPT, Size III, Booster circuit
67	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M25 X 1.5, Size III
67-MS	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M20 X 1.5, Size III
67-NS	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), ½" NPT, Size III
71	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M25 X 1.5, Size III
71-MS	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), M20 X 1.5, Size III
71-NS	Ex ia IIC, IP67, -60 °C to 70 °C (-76 °F to 158 °F), ½" NPT, Size III

ENCLOSURE MATERIAL	
CODE	DESCRIPTION
① ✖	Aluminium Cast Epoxy Powder Coated
CO	CF8M (SS316Cast)

SPECIAL	
CODE	DESCRIPTION
① ✖	NIL
⑦ FR	Full Rectifier with Surge Suppressor Size II, III, IV
⑩ LD	LED, Size II, III, IV
⑫ SS	Surge Suppressor Size II, III, IV
⑫	

INSULATION	
CODE	DESCRIPTION
① ✖	CLASS F
H	CLASS H

SIL	
CODE	DESCRIPTION
① ✖	NO
SL	YES

POWER																
			12V DC	24V DC	24V-50Hz	24V AC/ DC	48V DC	110V DC	110V-50Hz	110V AC/ DC		230V 50Hz	220V DC	230V AC/DC		256V DC
CODE	SIZE	POWER WATT	12V DC	24V DC	24V 50 Hz / 60 Hz	24V 50Hz / 60 Hz / DC	48V DC	110V DC	110V 50Hz / 120V 60Hz	110V 50Hz / ④ 60Hz / DC	120V 50Hz / ④ 60Hz / DC	230V 50Hz / 240V 60Hz	220V DC	220V 50Hz / ④ 60Hz / DC	240V 50Hz / ④ 60Hz / DC	256V DC
LW2	I	2.0		✓												
① ✖	I	6.0			✓				✓			✓				
① ✖	I	8.0	✓	✓												
LW1	III	1		✓												
LW2	III	2.0	✓	✓				✓		✓	✓					
① ✖	III	6.0			✓				✓			✓				
① ✖	III	8.0	✓	✓		✓	✓	✓		✓			✓	✓		
		9.0									✓				✓	✓
LW1.8	IV	1.8		✓												
②④ LW1	IV	1.0		✓												
⑪ LB04	III	0.4		✓												

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

APPROVAL		9 ENCLOSURE TYPE											
CODE	DESCRIPTION	17	37	39	58	58LT	62	65CR	66	67	71	87	88
① ⑮ ×	CCOE/ PESO + BIS, Insulation Class H		✓	✓			✓	✓	✓	✓	✓	✓	
01	CE - ATEX, Insulation Class H		✓	✓	✓	✓							
01	IEC Ex + ATEX, Insulation Class H						✓		✓	✓	✓	✓	
01B	CCOE / PESO + CE - ATEX		✓	✓	✓	✓							
01B	CCOE / PESO + IEC Ex + ATEX						✓	✓	✓	✓	✓	✓	
02	UL Recognised, for USA and Canada, Type 3, 3S, 4, 4X, 6, 6P UL file Number E 342217	✓											
03	INMETRO + ATEX, Insulation Class H		✓	✓			✓		✓	✓	✓	✓	
03C	IEC Ex + ATEX + IN METRO + CuTR-EAC											✓	
03U	IEC Ex + ATEX + IN METRO + UL (Type 3, 3S, 4, 4X, 6, 6P)	✓										✓	
04	CuTR- EAC + ATEX , Insulation Class H		✓	✓			✓		✓	✓	✓	✓	
04U	IEC Ex + ATEX + CuTR + UL (Type 3, 3S, 4, 4X, 6, 6P)	✓										✓	
② ⑦	KOSHA + ATEX, Insulation Class H											✓	
08	Ukraine, Insulation Class H						✓		✓	✓	✓	✓	
09	UL Listed Ex for USA & Canada Class I, DIV 1, Class II, DIV 1, Class III DIV 1												✓
12	ITRI Certification (TS Certification Taiwan)						✓		✓	✓	✓		
③ CE	CE (Weatherproof Solenoid)	✓											
④ EAC	EAC MARK	✓											

Note :

- ① Do not specify when opted for
- ② Approval Other than BIS, CCOE/ PESO, DGMS
- ③ BIS, CCOE/ PESO, DGMS Approved coil
- ④ Opt FR from special
- ⑤ Current DC, 50Hz, 60Hz
- ⑦ Do not Opt for Enclosure Type 01, 06, 22, 25
- ⑧ Select Body Material SS316 (B5), Solenoid DC or AC/DC Current
- ⑨ All variation of 17, 37, 39, 58, 58LT, 62, 65CR, 66, 67, 71, 87 included
- ⑩ Media should be Oil free Air/ Inert Gas/ Water
- ⑪ Do not opt for 01, 06, 22, 25. In rush 2W for 100 msec., Holding 0.4W
- ⑫ Current DC
- ⑬ Ambient Temperature restricted for Enclosure Type 17, 37, 39, 58, 58LT, 62, 65CR, 66, 67, 71, 87 to Solenoid Ambient Temperature
- ⑭ Select Nil or one Accessories from A1 to A6 for Valve and from B1 to B8 for Solenoid
- ⑮ IP67 Certified by BIS, CCOE/ PESO, DGMS
- ⑰ Select Solenoid XXXV DC or III-XXXV AC/ DC
- ⑱ Type 51440A, 51440, 51441, 51440LW, P5003, P5011, I5005, with Suffix TC (Port 4 plugged) can be used as 3 Port NC Valve
- ⑲ Type 51440A, 51440, 51441, 51440LW, P5003, P5011, I5005, with Suffix TO (Port 2 plugged) can be used as 3 Port NO Valve
- ⑳ Can not be opted for Enclosure Type 01, 06
- ㉑ KOSHA certificate only for enclosure size II ≤ 20W
- ㉒ Orifice 6, 12, 25
- ㉓ Can be opted for Enclosure Type 01, 06, 16, 19, 22, 25
- ㉔ Enclosure Type 17, 17NS, 87, 87MS, 87NS
- ㉕ For Body material B17 (Brass Forged) and B12 (Cast Ss316), add suffix V01 to Valve Type
- ㉖ Do not Opt for Enclosure Type 01, 06, 22
- ㉗ Media shall not be part of Ordering code but It shall be printed separately on Valve

ENTITY PARAMETER

Entity Parameter	
Ui	32V DC
Ii	230mA
Pi	2.3W
Ci	0
Li	0

RESPONSE ON TIME FOR SOLENOID TYPE 66-BP

Voltage(V)	6.5	7	8	9.5	10.5	11.5	12.5	14
Current(mA)	9	10.15	12.5	15	17.5	20	22	24.5
Response Time(ms) ≤	2500	2350	1600	1200	1100	1000	600	250

MINIMUM OPERATING PARAMETER

Type	62	62..LD..
Minimum Voltage (V)	12.5	14
Minimum Current (mA)	25.5	28.5
Minimum Power (W)	0.3	0.4
LED	NO	YES
Pressure (bar)	10	10

MINIMUM OPERATING PARAMETER

Type	66	66..LD..	66-BP	66-BP-LD	65CR	67	67..LD..	71	71..LD..	
Minimum Voltage (V)	10	10	6.5	7	11	14	14	15	14	14
Minimum Current (mA)	20	21	9	10.15	22	25	25	28	25	28
Minimum Power (W)	0.20	0.21	0.06	0.07	0.24	0.35	0.35	0.42	0.35	0.42
LED	No	Yes	No	Yes	Yes	No	No	Yes	No	Yes
Pressure (bar)	As per Solenoid Valve rating		Maximum 11.0						As per Solenoid Valve rating	

RESPONSE ON TIME FOR SOLENOID TYPE 62, 66, 62..LD.., 66..LD..

Voltage (V)	10	11	12	14	18	22	24	26	30	32	Current (mA)	18.5	20	25	30
Current (mA)	20	22	24	28.5	37	45.5	49.7	54	63	67	Open Ckt Voltage (V)	19.5	19.5	19.5	19.5
Response Time (ms)≤	4800	3800	2500	1600	850	650	450	400	250	250	Time (ms)≤	5000	4000	2500	2000

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

Explosion Proof

ENCLOSURE TYPE 37/ 39

SIZE	Power	BIS & PESO, DGMS	ATEX / INMETRO	EAC - CuTR (Russia)
I II IV	≤ 5W ≤ 8W ≤ 11W	Ex d IIC T6/ T5 Gb IP67 -20 °C ≤ Ta ≤ 65 °C FOR T6 -20 °C ≤ Ta ≤ 70 °C FOR T5	Ex db IIC T6/ T5 Gb Ex tb IIIC T80°C/ T95°C Db, IP66/ IP67 -40°C ≤ Ta ≤ 65°C FOR T6 -40°C ≤ Ta ≤ 70°C FOR T5	1 Ex db IIC T6/ T5/ T4 Gb Ex tb IIIC T80°C/ 95°C/ 130°C Db, IP66 -40°C ≤ Ta ≤ 35°C FOR T6 -40°C ≤ Ta ≤ 50°C FOR T5 -40°C ≤ Ta ≤ 60°C FOR T4
I II III	≤ 8W ≤ 13W ≤ 8W	Ex d IIC T6/ T5 Gb IP67 -20°C ≤ Ta ≤ 60°C FOR T6 -20°C ≤ Ta ≤ 70°C FOR T5	Ex db IIC T6/ T5 Gb Ex tb IIIC T80°C/ T95°C Db, IP66/ IP67 -40°C ≤ Ta ≤ 60°C FOR T6 -40°C ≤ Ta ≤ 70°C FOR T5	
III	≤ 15W	Ex d IIC T6/ T5/ T4 Gb IP67 -20°C ≤ Ta ≤ 50°C FOR T6 -20°C ≤ Ta ≤ 65°C FOR T5 -20°C ≤ Ta ≤ 70°C FOR T4	Ex db IIC T6/ T5/ T4 Gb Ex tb IIIC T80°C/ T95°C/T130°C Db, IP66/ IP67 -40°C ≤ Ta ≤ 50°C FOR T6 -40°C ≤ Ta ≤ 65°C FOR T5 -40°C ≤ Ta ≤ 70°C FOR T4	
III IV	≤ 5W ≤ 5W	Ex d IIC T6 Gb IP67 -20 °C ≤ Ta ≤ 70 °C FOR T6	Ex db IIC T6 Gb Ex tb IIIC T80°C Db, IP66/ IP67 -40°C ≤ Ta ≤ 70°C FOR T6	
II	≤ 20W	Ex d IIC T6/ T5 Gb IP67 -20°C ≤ Ta ≤ 55°C FOR T6 -20°C ≤ Ta ≤ 70°C FOR T5	Ex db IIC T6/ T5 Gb Ex tb IIIC T80°C/ T95°C Db, IP66/ IP67 -40 °C ≤ Ta ≤ 55 °C FOR T6 -40 °C ≤ Ta ≤ 70 °C FOR T5	
II	≤ 30W	Ex d IIC T6/ T5/ T4 Gb IP67 -20°C ≤ Ta ≤ 40°C FOR T6 -20°C ≤ Ta ≤ 55°C FOR T5 -20°C ≤ Ta ≤ 70°C FOR T4	Ex db IIC T6/ T5/ T4 Gb Ex tb IIIC T80°C/ T95°C/T130°C Db, IP66/ IP67 -40 °C ≤ Ta ≤ 40 °C FOR T6 -40 °C ≤ Ta ≤ 55 °C FOR T5 -40 °C ≤ Ta ≤ 70 °C FOR T4	

ENCLOSURE TYPE 87

SIZE	Power	ATEX, IEC Ex, BIS & PESO, DGMS	INMETRO	EAC - CuTR (Russia) / UKRANE	KOSHA
III II IV	≤ 5W ≤ 8W ≤ 11W	Ex d IIC T6/T5/T4 Gb IP67 Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +65°C for T6 -60°C ≤ Ta ≤ +80°C for T5 -60°C ≤ Ta ≤ +100°C for T4	Ex d IIC T6/T5/T4 Gb Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +65°C for T6 -60°C ≤ Ta ≤ +80°C for T5 -60°C ≤ Ta ≤ +100°C for T4	1 Ex d IIC T6/T5/T4 Gb IP67 Ex tb IIIC T80°C/T95°C/T130°C Db ИЛИ -60°C ≤ Ta ≤ +65°C for T6 -60°C ≤ Ta ≤ +80°C for T5 -60°C ≤ Ta ≤ +100°C for T4	형식 또는 모델명 : 87, BCE 규격 또는 등급 : Ex d IIC T3-T6 제조자명 : Rotex Automation Limited 안전인증 번호 : 15-AV4BO-0000
III II	≤ 8W ≤ 13W ≤ 8W	Ex d IIC T6/T5/T4 Gb IP67 Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +60°C for T6 -60°C ≤ Ta ≤ +75°C for T5 -60°C ≤ Ta ≤ +100°C for T4	Ex d IIC T6/T5/T4 Gb Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +60°C for T6 -60°C ≤ Ta ≤ +75°C for T5 -60°C ≤ Ta ≤ +100°C for T4	1 Ex d IIC T6/T5/T4 Gb IP67 Ex tb IIIC T80°C/T95°C/T130°C Db ИЛИ -60°C ≤ Ta ≤ +60°C for T6 -60°C ≤ Ta ≤ +75°C for T5 -60°C ≤ Ta ≤ +100°C for T4	
III	≤ 15W	Ex d IIC T6/T5/T4 Gb IP67 Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +50°C for T6 -60°C ≤ Ta ≤ +65°C for T5 -60°C ≤ Ta ≤ +100°C for T4	Ex d IIC T6/T5/T4 Gb Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +50°C for T6 -60°C ≤ Ta ≤ +65°C for T5 -60°C ≤ Ta ≤ +100°C for T4	1 Ex d IIC T6/T5/T4 Gb IP67 Ex tb IIIC T80°C/T95°C/T130°C Db ИЛИ -60°C ≤ Ta ≤ +50°C for T6 -60°C ≤ Ta ≤ +65°C for T5 -60°C ≤ Ta ≤ +100°C for T4	
IV	≤ 5W ≤ 5W	Ex d IIC T6/T5/T4 Gb IP67 Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +70°C for T6 -60°C ≤ Ta ≤ +85°C for T5 -60°C ≤ Ta ≤ +100°C for T4	Ex d IIC T6/T5/T4 Gb Ex t IIIC T85°C/T100°C/T135°C Db IP67 -60°C ≤ Ta ≤ +70°C for T6 -60°C ≤ Ta ≤ +85°C for T5 -60°C ≤ Ta ≤ +100°C for T4	1 Ex d IIC T6/T5/T4 Gb IP67 Ex tb IIIC T80°C/T95°C/T130°C Db ИЛИ -60°C ≤ Ta ≤ +70°C for T6 -60°C ≤ Ta ≤ +85°C for T5 -60°C ≤ Ta ≤ +100°C for T4	
II	≤ 20W	Ex d IIC T5/T4/T3 Gb IP67 Ex IIIC T100°C/T135°C/155°C Db IP67 -60°C ≤ Ta ≤ +45°C for T5 -60°C ≤ Ta ≤ +80°C for T4 -60°C ≤ Ta ≤ +100°C for T3	Ex d IIC T5/T4/T3 Gb Ex IIIC T100°C/T135°C/155°C Db IP67 -60°C ≤ Ta ≤ +45°C for T5 -60°C ≤ Ta ≤ +80°C for T4 -60°C ≤ Ta ≤ +100°C for T3	1 Ex d IIC T5/T4/T3 Gb IP67 Ex tb IIIC T95°C/T130°C/T155°C Db ИЛИ -60°C ≤ Ta ≤ +45°C for T5 -60°C ≤ Ta ≤ +80°C for T4 -60°C ≤ Ta ≤ +100°C for T3	
II	≤ 30W	Ex d IIC T4/T3 Gb IP67 Ex IIIC T135°C/T150°C Db IP67 -60°C ≤ Ta ≤ +60°C for T4 -60°C ≤ Ta ≤ +70°C for T3	Ex d IIC T4/T3 Gb Ex IIIC T135°C/T155°C Db IP67 -60°C ≤ Ta ≤ +60°C for T4 -60°C ≤ Ta ≤ +70°C for T3	1 Ex d IIC T4/T3 Gb IP67 Ex tb IIIC T130°C/T155°C Db ИЛИ -60°C ≤ Ta ≤ +60°C for T4 -60°C ≤ Ta ≤ +70°C for T3	

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

Explosion Proof

ENCLOSURE TYPE 58

SIZE	Power	CE-ATEX, Insulation H
II IV	≤ 5W ≤ 8W ≤ 11W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -40°C ≤ Ta ≤ 65°C for T6 -40°C ≤ Ta ≤ 70°C for T5
II III	≤ 8W ≤ 13W ≤ 8W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -40°C ≤ Ta ≤ 60°C for T6 -40°C ≤ Ta ≤ 70°C for T5
III	≤ 15W	Ex II 2GD Ex e mb IIC T6/T5/T4 Gb IP67 Ex tb IIIC T6/ T5/ T4 Db IP67 -40°C ≤ Ta ≤ 50°C for T6 -40°C ≤ Ta ≤ 65°C for T5 -40°C ≤ Ta ≤ 70°C for T4
III IV	≤ 5W ≤ 5W	Ex II 2GD Ex e mb IIC T6 Gb IP67 Ex tb IIIC T6 Db IP67 -40°C ≤ Ta ≤ 70°C for T6
II	≤ 20W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -40°C ≤ Ta ≤ 55°C for T6 -40°C ≤ Ta ≤ 70°C for T5
II	≤ 30W	Ex II 2GD Ex e mb IIC T6/T5/T4 Gb IP67 Ex tb IIIC T6/ T5/ T4 Db IP67 -40°C ≤ Ta ≤ 40°C for T6 -40°C ≤ Ta ≤ 55°C for T5 -40°C ≤ Ta ≤ 70°C for T4

ENCLOSURE TYPE 58LT

SIZE	Power	CE-ATEX, Insulation H
II IV	≤ 5W ≤ 8W ≤ 11W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -60°C ≤ Ta ≤ 65°C for T6 -60°C ≤ Ta ≤ 70°C for T5
II III	≤ 8W ≤ 13W ≤ 8W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -60°C ≤ Ta ≤ 60°C for T6 -60°C ≤ Ta ≤ 70°C for T5
III	≤ 15W	Ex II 2GD Ex e mb IIC T6/T5/T4 Gb IP67 Ex tb IIIC T6/ T5/ T4 Db IP67 -60°C ≤ Ta ≤ 50°C for T6 -60°C ≤ Ta ≤ 65°C for T5 -60°C ≤ Ta ≤ 70°C for T4
III IV	≤ 5W ≤ 5W	Ex II 2GD Ex e mb IIC T6 Gb IP67 Ex tb IIIC T6 Db IP67 -60°C ≤ Ta ≤ 70°C for T6
II	≤ 20W	Ex II 2GD Ex e mb IIC T6/T5 Gb IP67 Ex tb IIIC T6/ T5 Db IP67 -60°C ≤ Ta ≤ 55°C for T6 -60°C ≤ Ta ≤ 70°C for T5
II	≤ 30W	Ex II 2GD Ex e mb IIC T6/T5/T4 Gb IP67 Ex tb IIIC T6/ T5/ T4 Db IP67 -60°C ≤ Ta ≤ 40°C for T6 -60°C ≤ Ta ≤ 55°C for T5 -60°C ≤ Ta ≤ 70°C for T4

ENCLOSURE TYPE 88

SIZE	Power	US & Canada (UL Recognized)
III	≤ 6W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ 55 °C FOR T6 -60 °C ≤ Ta ≤ 70 °C FOR T5 -60 °C ≤ Ta ≤ 100 °C FOR T4 TYPE 3, 3R, 3S, 4, 4X, 6, 6P
IV	≤ 5W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +55 °C FOR T6 -60 °C ≤ Ta ≤ +80 °C FOR T5 -60 °C ≤ Ta ≤ +100 °C FOR T4A TYPE 3, 3R, 3S, 4, 4X, 6, 6P
II III IV	≤ 9W ≤ 9W ≤ 13W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +60 °C FOR T6 -60 °C ≤ Ta ≤ +75 °C FOR T5 -60 °C ≤ Ta ≤ +95 °C FOR T4A -60 °C ≤ Ta ≤ +100 °C FOR T4 TYPE 3, 3R, 3S, 4, 4X, 6, 6P
II III	≤ 15W ≤ 17W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +50 °C FOR T6 -60 °C ≤ Ta ≤ +65 °C FOR T5 -60 °C ≤ Ta ≤ +85 °C FOR T4A -60 °C ≤ Ta ≤ +100 °C FOR T4 TYPE 3, 3R, 3S, 4, 4X, 6, 6P
II	≤ 22W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +45 °C FOR T6 -60 °C ≤ Ta ≤ +60 °C FOR T5 -60 °C ≤ Ta ≤ +70 °C FOR T4A TYPE 3, 3R, 3S, 4, 4X, 6, 6P
II	≤ 30W	CLASS I, DIV I, GROUP B, C, D CLASS II, DIV I, GROUP E, F, G CLASS III, DIV I -60 °C ≤ Ta ≤ +30 °C FOR T6 -60 °C ≤ Ta ≤ +45 °C FOR T5 -60 °C ≤ Ta ≤ +65 °C FOR T4A -60 °C ≤ Ta ≤ +70 °C FOR T4 TYPE 3, 3R, 3S, 4, 4X, 6, 6P

ENCLOSURE TYPE 62, 66, 67 & 71

Enclosure	ATEX/ IECEx (Europe)/ INMETRO/ CEPEL (Brazil)	EAC - CuTR (Russia)
Al Cast	Ex ia IIC T5 Ga (-60°C ≤ Ta ≤ +75°C) Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +60°C) Ex ia IIIC T200 125°C IP67 Da (60°C ≤ Ta ≤ +75°C)	0 Ex ia IIC T5 Ga IP67 (-60°C ≤ Ta ≤ +75°C) 0 Ex ia IIC T6 Ga IP67 (-60°C ≤ Ta ≤ +60°C) 0 Ex ia IIIC T200 125°C IP67 Da (-60°C ≤ Ta ≤ +75°C)
SS Cast	Ex ia IIC T5 Ga (-60°C ≤ Ta ≤ +75°C) Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +60°C) Ex ia IIIC T200 125°C IP67 Da (60°C ≤ Ta ≤ +75°C) Ex ia I Ma (-60°C ≤ Ta ≤ 75°C)	0 Ex ia IIC T5 Ga IP67 (-60°C ≤ Ta ≤ +75°C) 0 Ex ia IIC T6 Ga IP67 (-60°C ≤ Ta ≤ +60°C) 0 Ex ia IIIC T200 125°C IP67 Da (-60°C ≤ Ta ≤ +75°C) PO Ex ia I Ma (-60°C ≤ Ta ≤ +75°C) (ТОЛЬКО сталь) или
Al Cast	Ukraine 0 Ex ia IIC T5 X -60°C ≤ Ta ≤ +75°C 0 Ex ia IIC T6 X -60°C ≤ Ta ≤ +60°C	
SS Cast	PO Иа X -60°C ≤ Ta ≤ +75°C (для варианта в стальном корпусе) 0 Ex ia IIC T5 X -60°C ≤ Ta ≤ +75°C 0 Ex ia IIC T6 X -60°C ≤ Ta ≤ +60°C	

BIS & PESO, DGMS

Ex ia IIC T5, IP67 (-40°C ≤ Ta ≤ 75°C) Ex ia IIC T6, IP67 (-40°C ≤ Ta ≤ 60°C)
--

ENCLOSURE TYPE 65CR

BIS & PESO, DGMS

Ex ia IIC T5, IP67 (-40°C ≤ Ta ≤ 75°C) Ex ia IIC T6, IP67 (-40°C ≤ Ta ≤ 60°C)
--

MARKING Weather Proof

ENCLOSURE TYPE 17

US & Canada (UL Recognised)

TYPE 3, 3R, 3S, 4, 4X, 6 & 6P -60°C to +100°C POWER ≤ 20W -60°C to +60°C 20W < POWER ≤ 30W
--

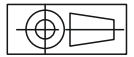
5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

14 ACCESSORIES			
	CODE	DESCRIPTION	
	① ✕	NIL	VALVE
	A1	NRV Metallic Dust cap SS316, ideally suited for Protecting Valve internals from external Environment (Ambient Temperature - 60 °C to 150 °C (-76°F to 302°F)), Water, Snow, Bugs, etc.	
	A3	Silencer Sintered Bronze	
	A4	Silencer Sintered SS	
	A5	Dust Cap (Ambient Temperature - 20 °C to 80 °C (-4°F to 176°F))	
	A6	NRV Dust cap Nylon, ideally suited for preventing external Environmental Media/ Water/ Liquid entering in the valve. Supplied only for 1/4" BSP / NPT (Ambient Temperature - 20 °C to 80 °C (-4°F to 176°F))	
	① ✕	NIL	SOLENOID
	B1	Weather Proof Cable Gland M20X1.5(M) Brass	
	B5	ATEX Approved Cable Gland (Plastic) M20X1.5(M) (Ambient Temperature - 20 °C to 80 °C (-4°F to 176°F))	
	B6	ATEX Approved Cable Gland (BRASS) M20X1.5(M) (Ambient Temperature - 20 °C to 80 °C (-4°F to 176°F))	
	B7	ATEX Approved Cable Gland (SS316) M20X1.5(M) (Ambient Temperature - 20 °C to 80 °C (-4°F to 176°F))	
	B8	Weather Proof Cable gland M20X1.5(M) (Plastic)	
	B3	Explosion Proof Double Compression Cable Gland (BRASS) 1/2" NPT(M) (Ambient Temperature - 20 °C to 80 °C (-4°F to 176°F)), CCOE / PESO Certified	
	B4	Explosion Proof Double Compression Cable Gland (SS316) 1/2" NPT(M) (Ambient Temperature - 20 °C to 80 °C (-4°F to 176°F)), CCOE / PESO Certified	

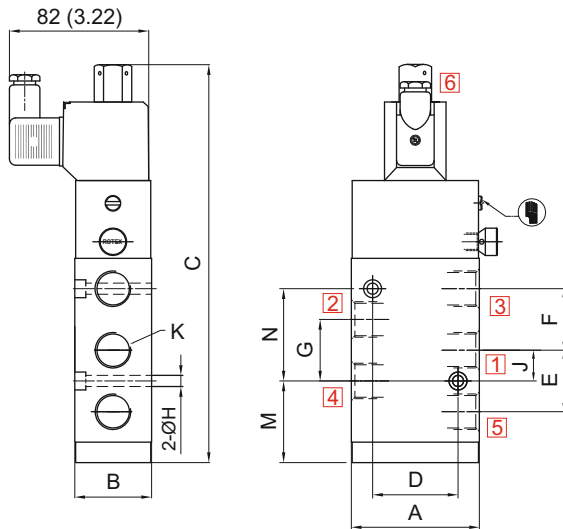
SERIES : 52S

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

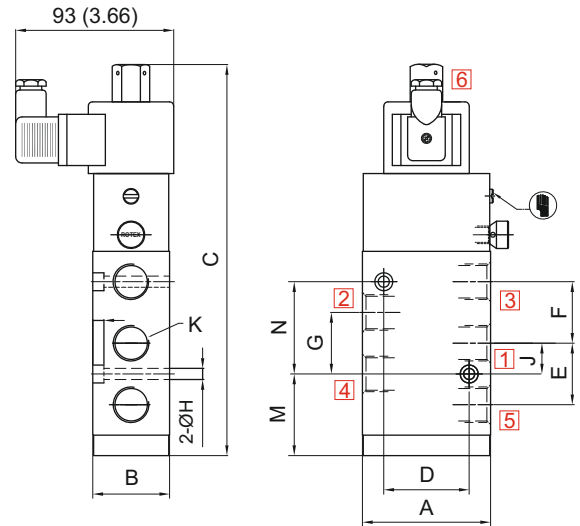
DIMENSIONS



All dimensions are in mm (inch)



Valve Type	51440A, 51440, 51441, 51440V01, 51441V01, P5003, P5003V01
Enclosure Type	22
Enclosure Size	I

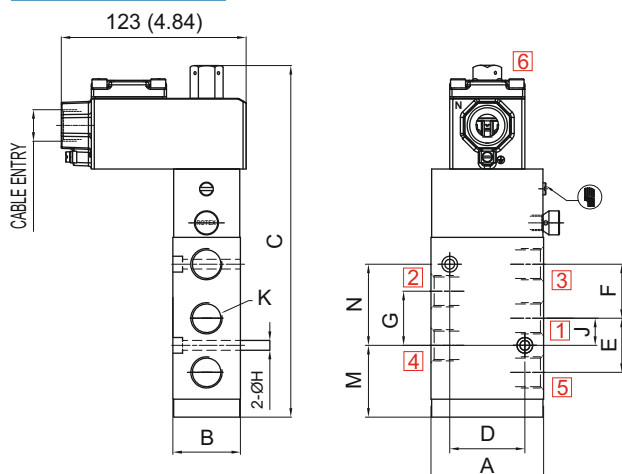


Valve Type	51440A, 51440, 51441, 51440V01, 51441V01, P5003, P5003V01, P5011, P5011V01, I5005, I5005V01
Enclosure Type	25, 65CR
Enclosure Size	III

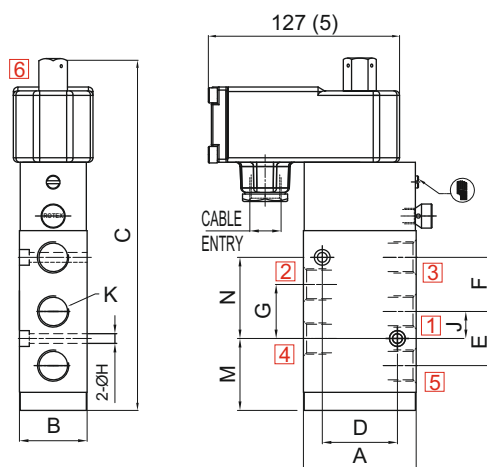
Valve Type : 51440A, 51440, 51441, P5003, P5003V01, P5011, P5011V01, I5005, 51440V01, 51441V01, I5005V01													Body Material		
NW	K	A	B	C	D	E	F	G	H	J	M	N	AL	SS	BR
6	1/4"	53 (2.08)	38 (1.50)	196 (7.72)	40 (1.57)	24 (0.94)	24 (0.94)	24 (0.94)	5.5 (0.22)	12 (0.47)	49 (1.93)	12 (0.47)	✓	✓	✓
12	3/8", 1/2"	75 (2.95)	45 (1.77)	235 (9.25)	50 (1.96)	36 (1.42)	36 (1.42)	36 (1.42)	6.5 (0.25)	18 (0.71)	30 (1.18)	54 (2.12)	✓	✓	✓
25	3/4", 1"	110 (4.33)	81 (3.19)	290 (11.42)	80 (3.15)	56 (2.20)	56 (2.20)	54 (2.12)	8.5 (0.33)	27 (1.06)	67 (2.64)	27 (1.06)	✓	✓	

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

DIMENSIONS

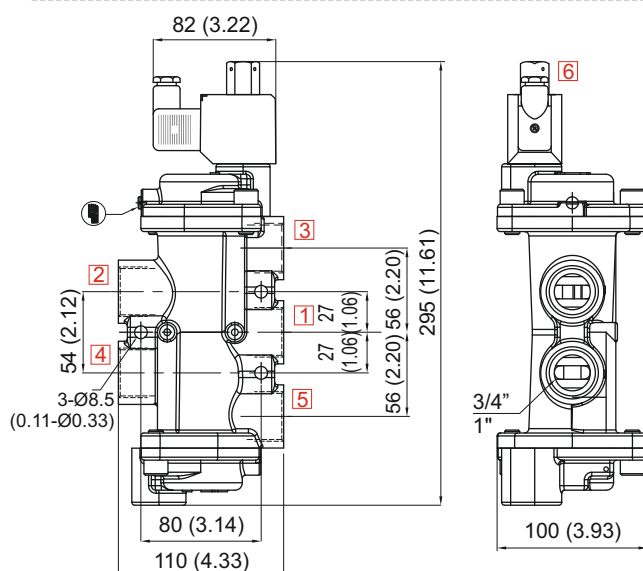


Valve Type	51440A, 51440, 51441, 51440V01, 51441V01, P5003, P5003V01, I5005, I5005V01, P5011, P5011V01
Enclosure Type	16, 19, 37, 39, 58, 58LT, 67
Enclosure Size	III

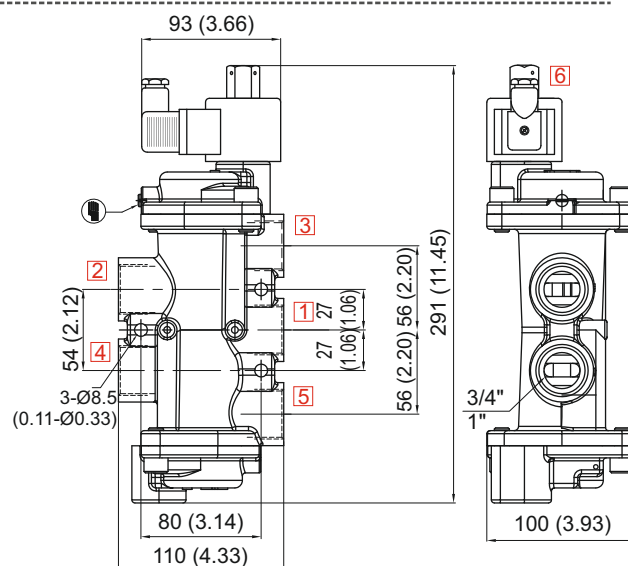


Valve Type	51440A, 51440, 51441, 51440V01, 51441V01, P5003, P5003V01, I5005, I5005V01, P5011, P5011V01
Enclosure Type	17, 87, 66, 71
Enclosure Size	III

Valve Type : 51440A, 51440, 51441, P5003, P5003V01, P5011, P5011V01, I5005, 51440V01, 51441V01, I5005V01													Body Material		
NW	K	A	B	C	D	E	F	G	H	J	M	N	AL	SS	BR
6	¼"	53 (2.08)	38 (1.50)	196 (7.72)	40 (1.57)	24 (0.94)	24 (0.94)	24 (0.94)	5.5 (0.22)	12 (0.47)	49 (1.93)	12 (0.47)	✓	✓	✓
12	⅜", ½"	75 (2.95)	45 (1.77)	235 (9.25)	50 (1.96)	36 (1.42)	36 (1.42)	36 (1.42)	6.5 (0.25)	18 (0.71)	30 (1.18)	54 (2.12)	✓	✓	✓
25	¾" 1"	110 (4.33)	81 (3.19)	290 (11.42)	80 (3.15)	56 (2.20)	56 (2.20)	54 (2.12)	8.5 (0.33)	27 (1.06)	67 (2.64)	27 (1.06)	✓	✓	



Valve Type	51440V01, 51441V01, P5003V01
Orifice	25 (1")
Body Material	B17 (Forged Brass)
Enclosure Type	22
Enclosure Size	1

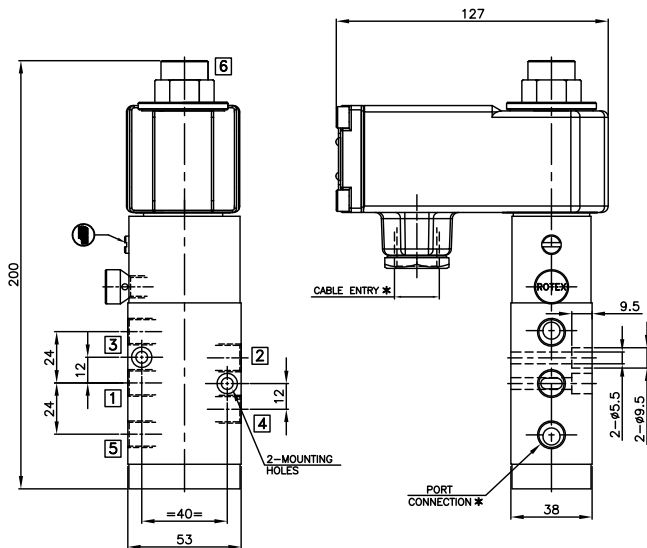


Valve Type	51440V01, 51441V01, P5003V01, P5011V01
Orifice	25 (1)
Body Material	B17 (Forged Brass)
Enclosure Type	25, 65CR
Enclosure Size	III

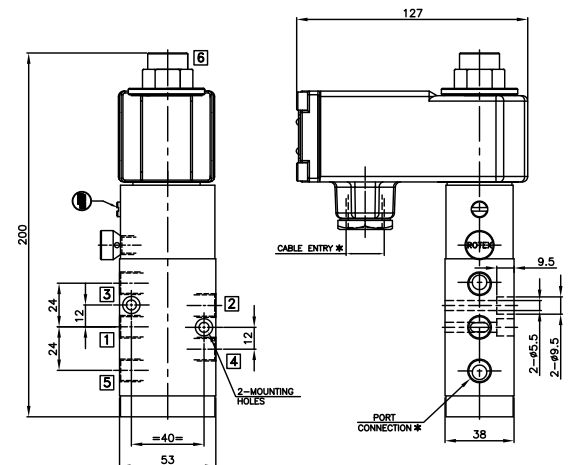
SERIES : 52S

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

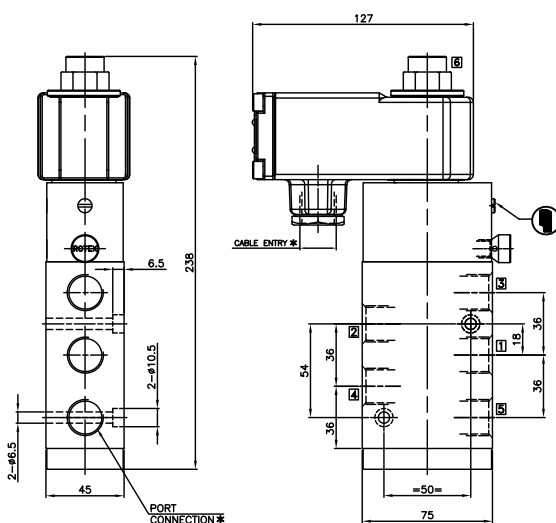
Valve Type	51440A-6, 51441-6
Solenoid Model	88
Solenoid Size	III
Body Material	Aluminium
Port Connection	1/4"



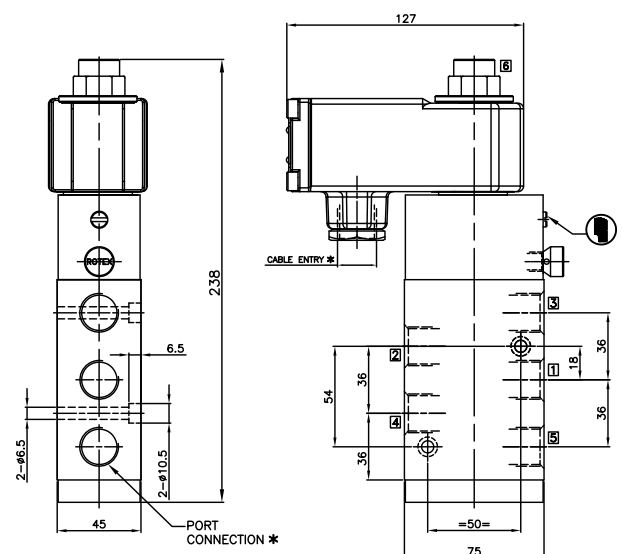
Valve Type	P5003-6
Solenoid Model	88
Solenoid Size	III
Body Material	Aluminium
Port Connection	1/4"



Valve Type	51440-12, 51441-12
Solenoid Model	88
Solenoid Size	III
Body Material	Aluminium
Port Connection	3/8" 1/2"

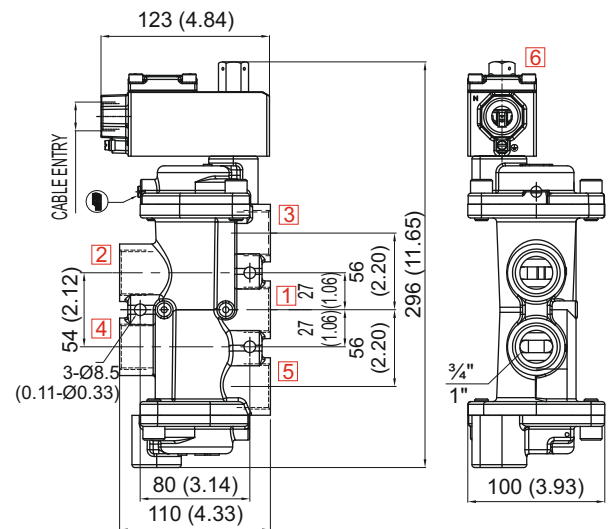


Valve Type	P5003-12
Solenoid Model	88
Solenoid Size	III
Body Material	Aluminium
Port Connection	1/4"

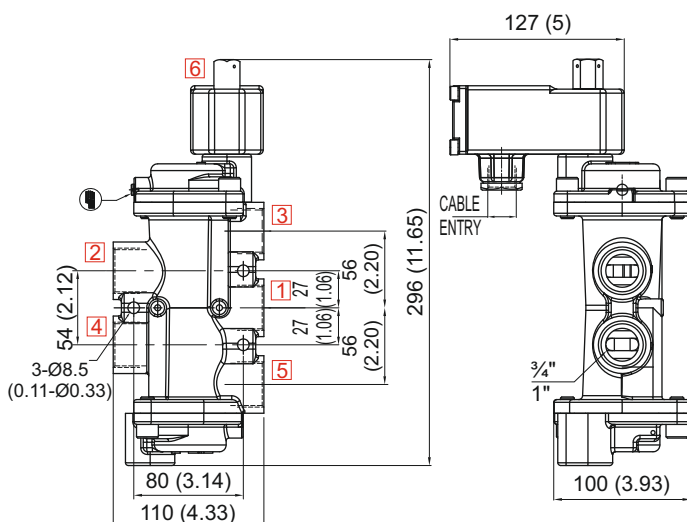


5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

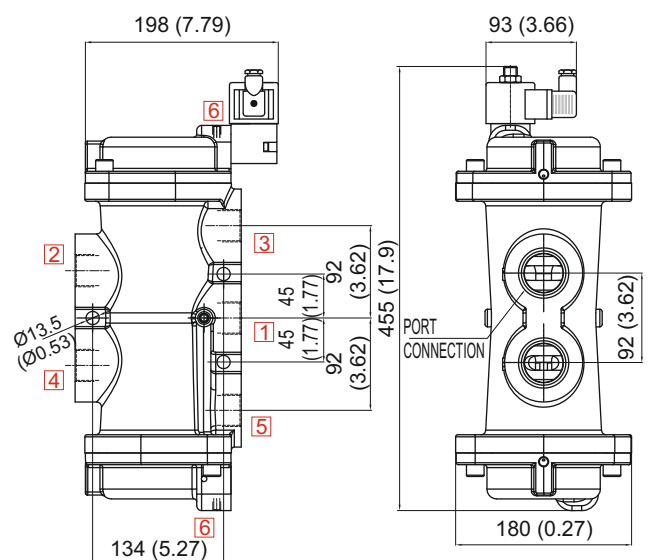
DIMENSIONS



Valve Type	51440V01, 51441V01, P5003V01, P5011V01, I5005V01
Orifice	25 (1")
Body Material	B17 (Forged Brass)
Enclosure Type	16, 19, 37, 39, 58, 58LT, 67
Enclosure Size	III



Valve Type	51440V01, 51441V01, P5003V01, I5005V01, P5011V01,
Orifice	25 (1")
Body Material	B17 (Forged Brass)
Enclosure Type	17, 87, 66, 71
Enclosure Size	III

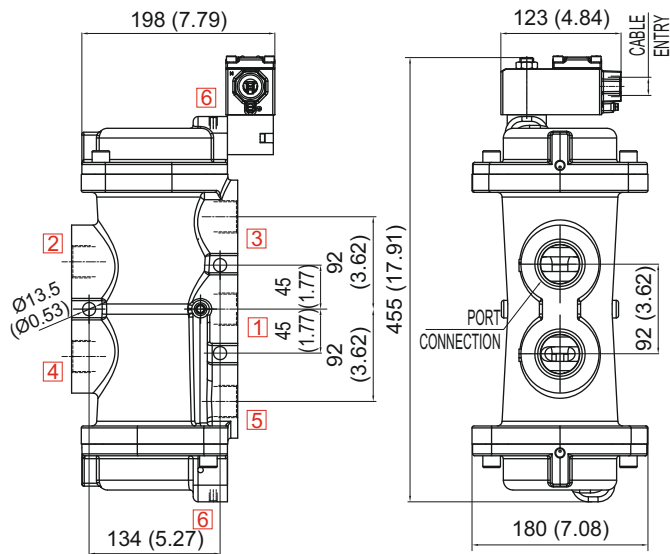


Valve Type	51440V01
Orifice	40(1½")
Body Material	B12 (Stainless Steel Cast)
Enclosure Type	25
Enclosure Size	III

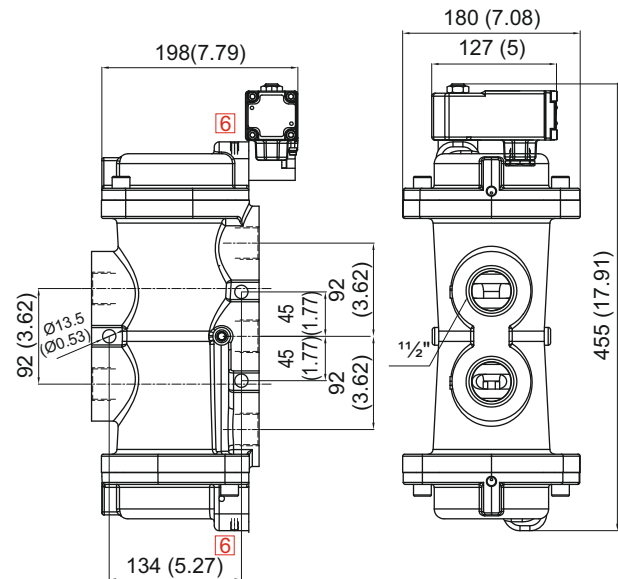
SERIES : 52S

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

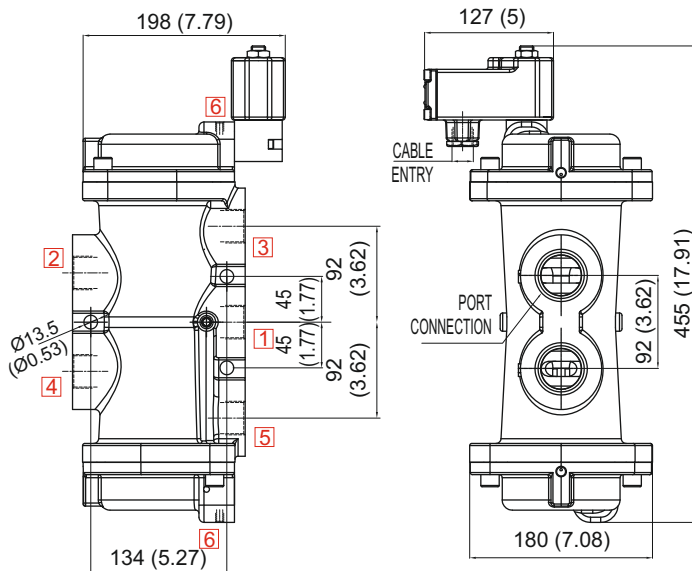
DIMENSIONS



Valve Type	51440V01
Orifice	40 (1½")
Body Material	B12 (Stainless Steel Cast)
Enclosure Type	16, 19, 37, 39, 58, 58LT
Enclosure Size	III



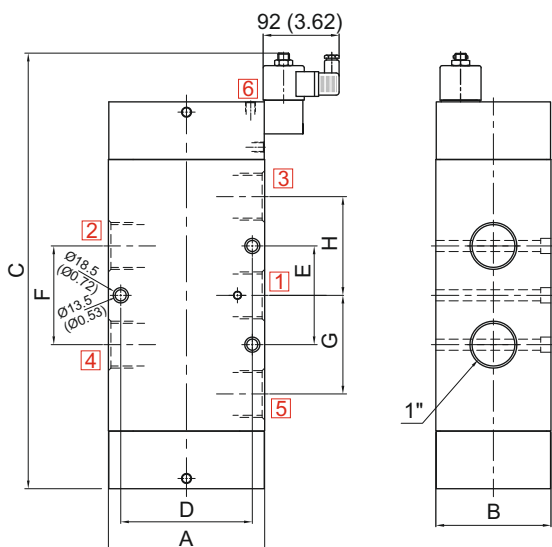
Valve Type	51440V01
Orifice	40 (1½")
Body Material	B12 (Stainless Steel Cast)
Enclosure Type	17, 87
Enclosure Size	III



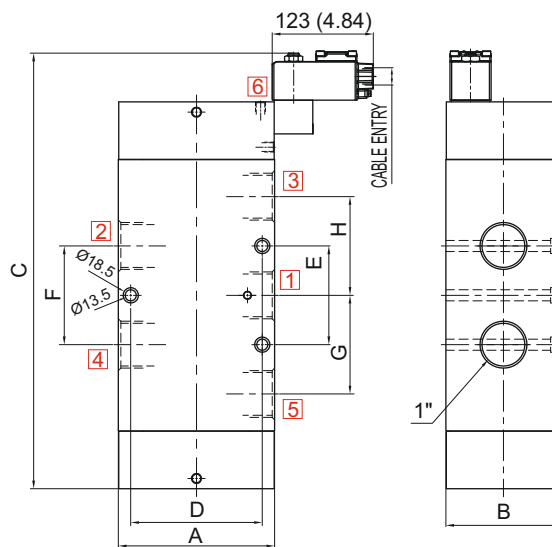
Valve Type	51440V01, P5003V01, 51440V01LW
Orifice	40 (1½")
Body Material	B12 (Stainless Steel Cast)
Enclosure Type	62, 17, 87
Enclosure Size	IV

5/2 INTERNAL PILOT OPERATED, SPRING RETURN, INLINE SINGLE SOLENOID POPPET VALVE

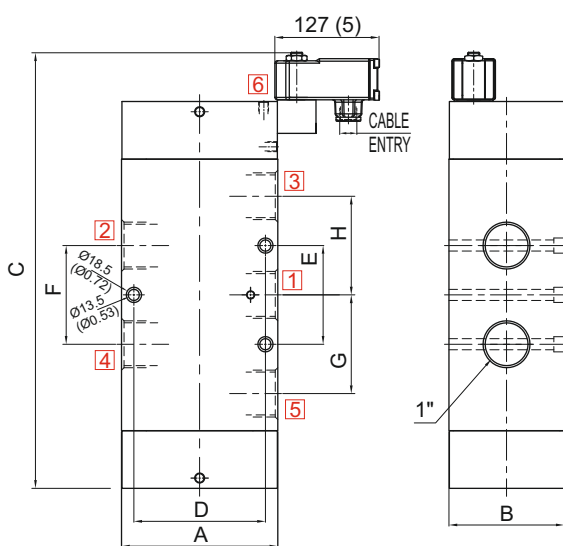
DIMENSIONS



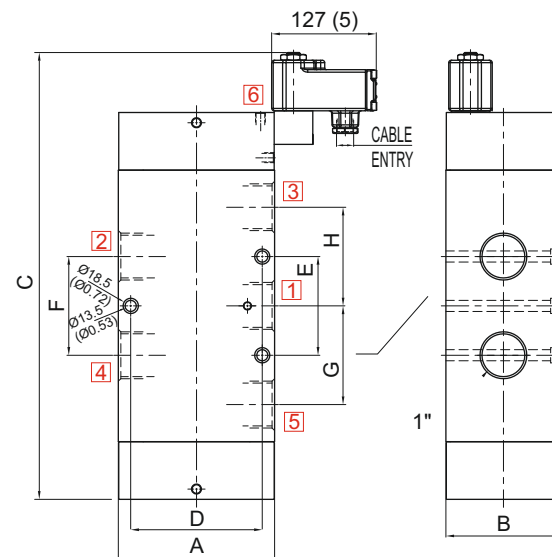
Valve Type	51440
Body Material	SS
Enclosure Type	25
Enclosure Size	III



Valve Type	51440
Body Material	SS
Enclosure Type	16, 19, 37, 39, 58, 58LT
Enclosure Size	III



Valve Type	51440
Body Material	SS
Enclosure Type	17, 87
Enclosure Size	III



Valve Type	51440
Body Material	SS
Enclosure Type	62, 17
Enclosure Size	IV

Valve Type : 51440-50								
NW	A	B	C	D	E	F	G	H
50	190 (7.48)	140 (5.51)	XXX	160 (6.30)	120 (4.72)	120 (4.72)	120 (4.72)	120 (4.72)



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