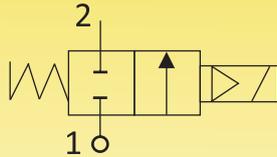


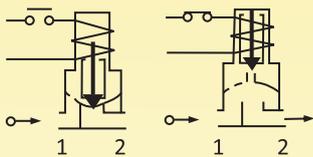
SOLENOID VALVES FOR AIR, GAS AND MILD VACUUM

2/2-WAY NORMALLY CLOSED, FORCED LIFT TYPE, PILOT OPERATED, SOLENOID VALVE FOR AIR, GAS AND MILD VACUUM.

SERIES R215E



N.C.
Normally Closed
 Coil energised - Open
 Coil de-energised - Closed



Special Features :

- ▶ Aluminium body with oversize orifice, valve suitable for delivering maximum flow.
- ▶ The valves are suitable for On-Off control of low pressure air, gas and mild vacuum.
- ▶ Valve seats are with Buna Nitrile or Viton.

- Sealing, Diaphragm : Buna Nitrile or Viton. & discs
- Backing seat : St.St.
- Rider rings : PTFE (Teflon).
- Shading coil : Copper, No shading coil for DC.
- Coil Insulation class : 'H'.

General Description:-

- Differential pressure : 0 to 3.5 bar (Size dependent) (please see specification table).
- Safe pressure Body : 10 bar on Air test.
- Response time : 10 ms to 200 ms (size dependent).
- Fluids - Air/Gas : With Buna Nitrile
- Temp. : (-)5°C to 80°C
- Pressure : See table below.
- Mild vacuum : 0 To 10⁻³ Torr. (with Viton Seat & Diaphragm)
- Temp. : (-)5°C to 120°C

Connector Details

- 1)M40&M50 SQ coil : Spade plug PG 11
- Connector : DIN 43650.
- RD/WP/FLP coil : Screwed Terminal.
- Weatherproof : IP 67,
- Flameproof : Exd IIC-T6,CE,ATEX,IEC Ex.

NOTES:

1. Use of fine gauge filter in the inlet side is highly recommended.
2. Valves not recommended for installation in inlet side of Pump.
3. Do not install bigger size of Solenoid Valve on smaller size pipeline.
4. No Manual Override Provided.

Construction:

- Size : 15 mm(1/2") to 50 mm (2")
- Body /Cover : Aluminum Diecast For 1" to 2" and in CF8 for 1/2" & 3/4" Size.
- End connection : 1/2" to 2" BSP (F)
- Tube Nut : S. S. 304.
- Plunger & Stopper : S. S. 430F.
- Springs : S. S. 302

SPECIFICATIONS :

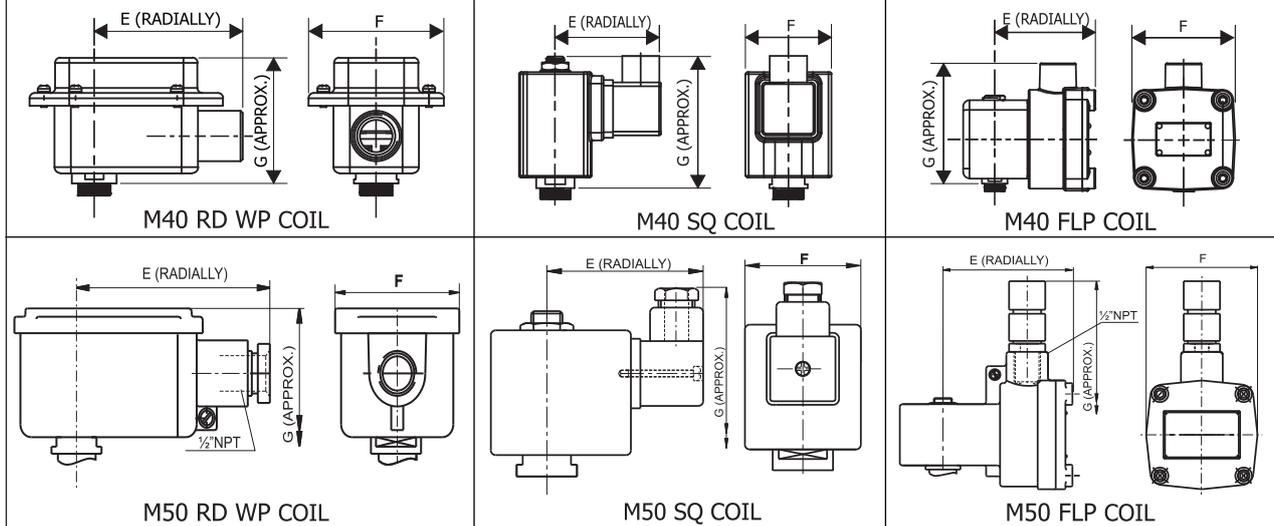
Series	Pipe Size	Orifice Size	Flow		Body Material	Seat Material		BTP		Working Pr.(bar)		Coil Type	Coil Rating		Constr. Ref.	Weight Kgs
			M ³ /hr.	L/mt		bar	Min	AC	DC	VA	Watt					
R215E	Inch	mm														
15	1/2	19	3.8	63.3	CF8	BN	V	10	0	3.5	1.8	M40-SQ	25.5	16	713	1
20	3/4	19	4.4	73	CF8	BN	V	10	0	3.5	1.8	M40-SQ	25.5	16	713	1.1
25	1	41	18	300	AL	BN	V	10	0	1.8	1.8	M50-SQ	36	22	713	2.0
32	1.1/4	41	27	450	AL	BN	V	10	0	1.8	1.8	M50-SQ	36	22	713	2.1
40	1.1/2	41	30	500	AL	BN	V	10	0	1.8	1	M50-SQ	36	22	713	2.2
50	2	53	50	833	AL	BN	V	10	0	1.8	1	M50-SQ	36	22	713	2.5



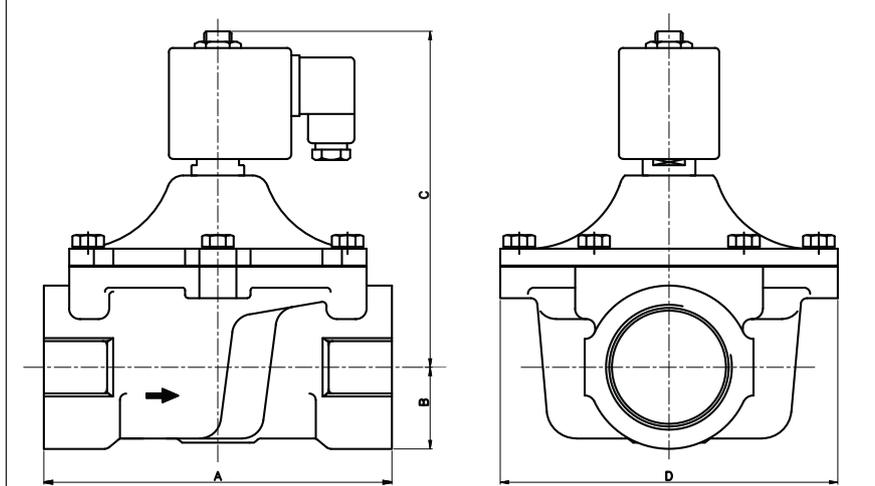
NOTE :

1. Please check up suitability of gases with Aluminum body.
2. Do not allow liquid medium to solidify.
3. All valves to be mounted in horizontal pipeline, keeping solenoid portion upright and vertical.
4. M40, M50 – SQ coils are with Spade terminals.
5. M40, M50 – Flameproof IIC + WP67 are Screwed Terminals.
6. All WP coils enclosure are IP67 certified as per IS/IEC-60529-2001 & CE Marked (except 24V DC).
7. All Flameproof coils and enclosures are Flameproof IIC + IP67 as per IS/IEC 60079-1-2014.
8. All WP coils enclosure are IP67 certified as per IS/IEC-60529-2001 & CE Marked (except 24V DC).

COIL TYPE	POWER CONSUMPTION & WATT RATING			Class of Insulation	Protection	Certification Standard
	AC		DC			
	VA Holding	Watts	Watts			
M40-SQ-GP/SQ-WP67	25.5	14	16	H	GP/WP-IP-67	IS/IEC 60529-2001
M40-RD/WP67	25.5	14	16	H	WP-IP-67	IS/IEC 60529-2001
M50-SQ-GP/SQ-WP67	36	20	22	H	GP/WP-IP-67	IS/IEC 60529-2001
M50-RD/WP67	36	20	22	H	WP-IP-67	IS/IEC 60529-2001
M40-RD/FLP-IIC + IP67	25.5	14	16	H	FLP-IIC+IP67	IS/IEC 60079-1-2014
M50-RD/FLP-IIC + IP67	36	20	22	H	FLP-IIC+IP67	IS/IEC 60079-1-2014



CONSTRUCTION REF. NO.:713



DIMENSION IN (MM)

CATALOGUE NO.	Size	A	B	C	D
R215E 15	1/2	70	14	88	60
R215E 20	3/4	94	20	93	60
R215E 25	1	127	32	129	137
R215E 32	1.1/4	127	32	138	137
R215E 40	1.1/2	127	32	144	137
R215E 50	2	165	39	154	160

List Of Approvals

APPROVAL	IP 67	TYPE 4X, 6P	Exd mb IIC T6 Gb	Exia IIC T6	Exd Tb IIC T6 Gb	DGMS	PESO
ISI	✓	✓	✓	✓	✓	✓	✓
CE	✓	✓	✓	✓	✓	✓	✓
UL	✓	✓	✓	✓	✓	✓	✓
ROST	✓	✓	✓	✓	✓	✓	✓
IECEx	✓	✓	✓	✓	✓	✓	✓
ATEX	✓	✓	✓	✓	✓	✓	✓

CATALOGUE NO.	PIPE SIZE	CONSTR NO.	E (RADIALLY)						F						G					
			SQ		RDWP		FLP		SQ		RDWP		FLP		SQ		RDWP		FLP	
			M40	M50	M40	M50	M40	M50	M40	M50	M40	M50	M40	M50	M40	M50	M40	M50	M40	M50
R215E	INCH	713	55	-	77	-	79	-	45	-	76	-	81	-	88	-	100	-	94	-
15	1/2	713	55	-	77	-	79	-	45	-	76	-	81	-	93	-	105	-	94	-
20	3/4	713	-	63	-	96	-	96	-	48	-	68	-	80	-	129	-	141	-	190
25	1	713	-	63	-	96	-	96	-	48	-	68	-	80	-	138	-	150	-	199
32	1.1/4	713	-	63	-	96	-	96	-	48	-	68	-	80	-	144	-	156	-	205
40	1.1/2	713	-	63	-	96	-	96	-	48	-	68	-	80	-	154	-	166	-	215
50	2	713	-	63	-	96	-	96	-	48	-	68	-	80	-	154	-	166	-	215

Note:
 Technical specifications, details & dimensions are subject to change without prior notice.
 Dimensions in the table are approximate subject to final confirmation by AVCON.

Office At.:
 PUNE (BR)
 NEW DELHI (BR)
 KOLKATA (BR)
 CHENNAI (BR)
 BANGALORE (BR)
 HYDERABAD (BR)
 BARODA (BR)
 MUMBAI (BR)

Contact No.:
 08390902673
 09810915079
 09831904444
 08939312809
 08431256574
 07995086416
 08511119967
 09810015079

AVCON
AVCON CONTROLS PVT. LTD.
REGD OFFICE & WORKS:
 Plot No.65, Road No.13, MIDC Marol Area,
 Andheri (E), Mumbai-400 093.
 Tel. No.: 91(22)-69156100 / 28221505
 Fax No.: 91(22)-28213298
 E-mail : avcon@avconcontrols.com