

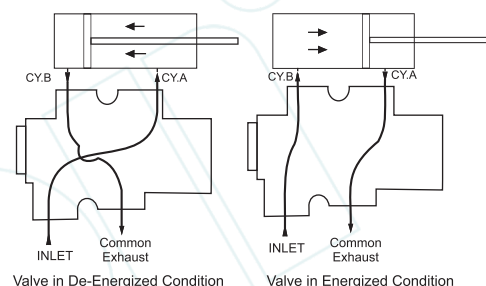
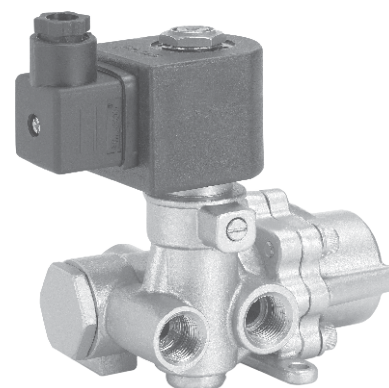
4/2 Way Pilot Operated Poppet Type Solenoid Valves.

2 POSITION SINGLE SOLENOID VALVES,
4 WAY / 4 PORT (COMMON EXHAUST) / 2 POSITION VALVES.

DATA SHEET
9440E- CF8/CF8M

SPECIFICATIONS

Sizes	: 1/4" (6 mm) & 1" (25 mm).
End Connections	: Standard-G-ISO-228(BSP-F), Optional-NPT.
Body & Piston	: Investment Casted CF8 / CF8M.
Body Test Pressure	: 40 Bar.
Max.Wkg.Pressure	: 9 Bar & 19 Bar (Refer table below).
Seat Material	: Std. : Buna Nitrile, Optional - Viton.
Core Tube Nut	: St.St.304/St.St.316.
Plunger/Stopper	: St.St.430FR.
Spring	: St.St.302.
Shading Ring	: Copper.
Temp.(ambient)	: 42Deg.C
Max.Wkg.Temp.	: (-)5 to 80Deg.C.
Voltage (AC)	: 230, 110, 48, 24 V - 50/60 Hz
(DC)	: 24, 110, 240 V
Enclosures	: General Purpose (IP20), Weatherproof- RD-WP-67, Flameproof-RD-FLP-IIC+WP67.
Approvals	: KLPL/PESO/CE/ATEX/BIS.
Differential Pr.	: From 0.7 to 9 bar (9440E06-25) & from 2 to 19 bar (9440E07-26).
Coil Insulation	: Class 'H' upto 155Deg.C.
Fluids	: Air, Gas, Light Oil.
Manual Override	: Standard.
Mounting Bracket	: Not Applicable.
Sales Point	: Heavy duty, high flow, reliable, semi-poppet valve for multi-million operations. Rugged construction, design Investment Casted CF8/CF8M with BN seat.
Application	: For operating Double Acting Cylinders, forging and moulding processes, machine tools, power generation, Ash handling plant, LPG bottling equipment and others.
Mounting	: In horizontal pipeline, keeping solenoid upright and vertical.
Note	: 1) Use of Filter in the inlet size is highly recommended. 2) Not suitable for back pressure from outlet side. 3) Available with special Weatherproof and Flameproof coils.



SPECIFICATION TABLE

4/2 POSITION SINGLE SOLENOID (Low Pressure 10 bar)

Catalogue Number	Pipe Size	Orifice Size	Flow Factor Kv	Minimum Pressure	Maximum Operating Pressure (bar)				BTP	Material		Constr. Ref.	VA Rating	Watt Rating	Coil	Housing
					AC		DC									
					Inch	mm	M ³ /hr.	bar		Air/Gas	Light Oil		Air/Gas	Light Oil		
9440E06	1/4	6.3	0.7	0.7	9	6	9	6	40	CF8	BN	30.1	18	12	M45.1	SQ
9440E10	3/8	12.7	1.9	0.7	9	6	9	6	40	CF8	BN	30.1	18	12	M45.1	SQ
9440E15	1/2	12.7	1.9	0.7	9	6	9	6	40	CF8	BN	30.1	18	12	M45.1	SQ
9440E20	3/4	19	4.8	0.7	9	6	9	6	40	CF8	BN	30.1	18	12	M45.1	SQ
9440E25	1	19	4.8	0.7	9	6	9	6	40	CF8	BN	30.1	18	12	M45.1	SQ

◆ Above pressure range can be improved with higher wattage coil.

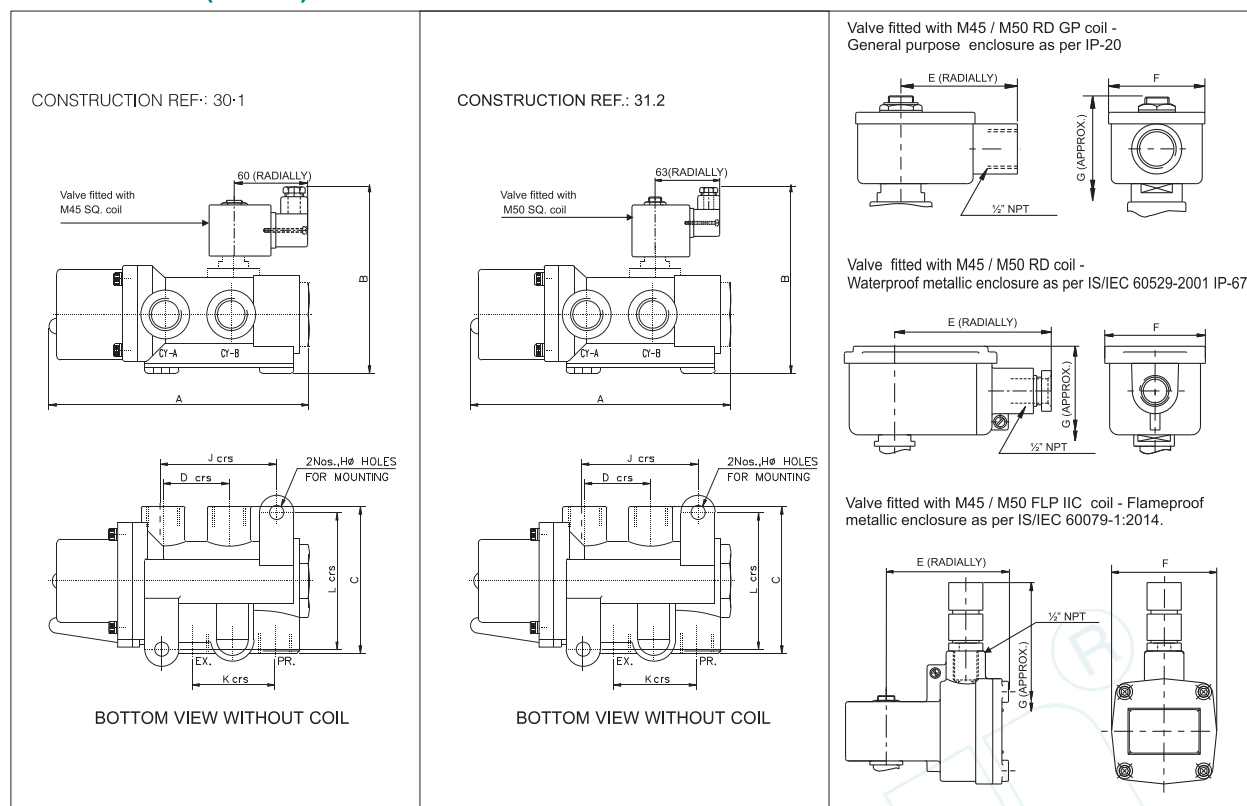
4/2 POSITION SINGLE SOLENOID (High Pressure 19 bar)

9440E07	1/4	6.3	0.7	2	19	15	9	19	15	9	40	CF8	BN	31.2	36	22	M50	SQ
9440E11	3/8	12.7	1.9	2	19	15	9	19	15	9	40	CF8	BN	31.2	36	22	M50	SQ
9440E16	1/2	12.7	1.9	2	19	15	9	19	15	9	40	CF8	BN	31.2	36	22	M50	SQ
9440E21	3/4	19	4.8	2	19	15	9	19	15	9	40	CF8	BN	31.2	36	22	M50	SQ
9440E26	1	19	4.8	2	19	15	9	19	15	9	40	CF8	BN	31.2	36	22	M50	SQ

ELECTRICAL REFERENCE

Coil Type	Power Consumption & Watt Rating			Class of Insulation	Protection	Certification Standard
	AC		DC			
	VA Inrush	VA Holding	Watts			
M 45.1 SQ	25	18	12	H	GP/WP IP-67	IS/IEC 60529-2001
M 50 SQ	50	36	22	H	GP/WP IP-67	IS/IEC 60529-2001
M 45.1 RD	25	18	12	H	GP/WP IP-67	IS/IEC 60529-2001
M 50 RD	50	36	22	H	GP/WP IP-67	IS/IEC 60529-2001
M 45.1 FLP IIC	25	18	12	H	FLP-IIC-IP-67	IS/IEC 60079-1-2014
M 50 FLP IIC	50	36	22	H		

DIMENSIONS (IN MM)



Catalogue Number	Pipe Size (Inch)	Constr. Ref	A	B	C	D	K	J	L	H	Weight (Approx.
											Kgs ◇
9440E06	1/4	30.1	122	125	80	26	36	48	61	7	2.0
9440E10	3/8	30.1	155	127	82	38	48	67	79	7	2.9
9440E15	½	30.1	155	127	82	38	48	67	79	8.5	2.9
9440E20	3/4	30.1	200	142	116	54	53	99	97	8.5	6.3
9440E25	1	30.1	200	142	116	54	53	99	97	8.5	6.3

Catalogue Number	Pipe Size (Inch)	Constr. Ref	A	B	C	D	K	J	L	H	Weight (Approx) Kgs 
9440E07	1/4	31.2	122	130	80	26	36	48	61	7	2.1
9440E11	3/8	31.2	155	132	82	38	48	67	79	7	3
9440E16	½	31.2	155	132	82	38	48	67	79	8.5	3
9440E21	3/4	31.2	200	200	116	54	53	99	97	8.5	6.4
9440F26	1	31.2	200	200	116	54	53	99	97	8.5	6.4

Catalogue Number		Pipe Size	E (RADIALLY)			F			G (APPROX.)		
		Inch	RD GP	RD WP	FLP	RD GP	RD WP	FLP	RD GP	RD WP	FLP
9440E06	9440E07	1/4	60	96	96	48	62	80	125	129	203
9440E10	9440E11	3/8	60	96	96	48	62	80	127	131	205
9440E15	9440E16	1/2	60	96	96	48	62	80	127	131	205
9440E20	9440E21	3/4	60	96	96	48	62	80	142	150	220
9440E25	9440E26	1	60	96	96	48	62	80	142	150	220

◆ Weight with SQ enclosure only, ask AVCON for other weights.

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Note:

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

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