

# 3/2-Way Pilot Operated, Poppet Type, Solenoid Valves.

Normally Closed, Energised To Open - 9360E/D,  
Normally Open, Energised To Close - 9362E/D.

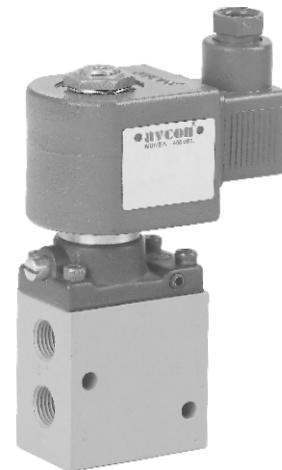
## DATA SHEET

9360E / 9362E  
Size - (1/4", 3/8" & 1/2")

9360D / 9362D  
Size - (3/4", 1" & 1-1/2")

## SPECIFICATIONS

Sizes	: 1/4" (6mm) to 1/2" (15mm) & 3/4" (20mm) to 1-1/2" (36mm).
End Connections	: Standard-G-ISO-228(BSP-F), Optional-NPT.
Body Material-Body	: Aluminum Die Cast - 1/4" to 1/2" & Aluminum Bar stock 3/4" to 1-1/2".
Body Test Pressure	: 15 Bar (Refer to table below).
Max.Wkg.Pressure	: 10 Bar (Refer to table below).
Seat Material	: Standard - 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.	: 2 to 10 (Refer to table below).
Coil Insulation	: Class 'H' upto 155Deg.C.
Fluids	: Lubricated and non-lubricated air, non-corrosive gas.
Manual Override	: Available.
Sales Point	: Heavy duty, reliable valve for multimillion operations, lockable - resettable manual override as a standard feature.
Application	: For operating Diaphragm valves, Single acting cylinders, clutches, single acting rotary actuators, textile processing machinery, compressor loading and unloading, for automation of any type.
Mounting	: In horizontal pipeline, keeping solenoid upright and vertical.
Note	: 1) Use of Filter in the inlet side is highly recommended. 2) Not suitable for back pressure from outlet side.



## SPECIFICATION TABLE 3/2 WAY NORMALLY CLOSED



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				Body	Seat					
					Air/Gas	Water	Light Oil	Air/Gas	Water	Light Oil								
9360E06	1/4	6	0.7	2	10	--	--	10	--	--	15	AD	BN	23.1	18	12	M45.1	SQ
9360E10	3/8	10	1.9	2	10	--	--	10	--	--	15	AD	BN	23.1	18	12	M45.1	SQ
9360E15	1/2	15	1.9	2	10	--	--	10	--	--	15	AD	BN	23.1	18	12	M45.1	SQ
9360D20	3/4	20	2.5	2	10	--	--	10	--	--	15	AL	BN	24.1	18	12	M45.1	SQ
9360D25	1	28	4.6	2	10	--	--	10	--	--	15	AL	BN	24.1	18	12	M45.1	SQ
9360D35	1 1/2	36	5.5	2	10	--	--	10	--	--	15	AL	BN	25.1	18	12	M45.1	SQ

## 3/2 WAY NORMALLY OPEN



9362E06	1/4	6	0.7	2	10	--	--	10	--	--	15	AD	BN	23.1	18	12	M45.1	SQ
9362E10	3/8	10	1.9	2	10	--	--	10	--	--	15	AD	BN	23.1	18	12	M45.1	SQ
9362E15	1/2	15	1.9	2	10	--	--	10	--	--	15	AD	BN	23.1	18	12	M45.1	SQ
9362D20	3/4	20	2.5	2	10	--	--	10	--	--	15	AL	BN	24.1	18	12	M45.1	SQ
9362D25	1	28	4.6	2	10	--	--	10	--	--	15	AL	BN	24.1	18	12	M45.1	SQ
9362D35	1 1/2	36	5.5	2	10	--	--	10	--	--	15	AL	BN	25.1	18	12	M45.1	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 45.1 RD	25	18	12	H	GP/WP IP-67	IS/IEC 60529-2001
M 45.1 FLP IIC	25	18	12	H	FLP-IIC-IP67	IS/IEC 60079-1-2014

## DIMENSIONS IN (MM)

Catalogue Number		Pipe Size Inch	Constr. Ref.	A	B	C	D	H	K	Weight (APPROX.) Kgs. ⬠	Valve fitted with M45 RD GP coil - General purpose enclosure as per IP-20
Normally Closed	Normally Open										
9360E06	9362E06	1/4	23.1	50	133	32	36	15	5.5	0.643	
9360E10	9362E10	3/8	23.1	65	133	38	48	30	7	0.898	
9360E15	9362E15	1/2	23.1	65	163	38	48	30	7	0.898	
9360D20	9362D20	3/4	24.1	76	195	50	60	35	8.5	1.578	
9360D25	9362D25	1	24.1	90	231	65	70	45	8.5	2.548	
9360D35	9362D35	1 1/2	25.1	90	283	90	--	--	--	3.998	

Catalogue Number		Pipe Size Inch	Constr. Ref.	E (RADIALLY)			F			G (APPROX.)		
Normally Closed	Normally Open			RD GP	RD WP	FLP	RD GP	RD WP	FLP	RD GP	RD WP	FLP
9360E06	9362E06	1/4	23.1	60	96	96	48	62	80	120	150	198
9360E10	9362E10	3/8	23.1	60	96	96	48	62	80	120	150	198
9360E15	9362E15	1/2	23.1	60	96	96	48	62	80	150	181	228
9360D20	9362D20	3/4	24.1	60	96	96	48	62	80	182	213	260
9360D25	9362D25	1	24.1	60	96	96	48	62	80	218	249	296
9360D35	9362D35	1 1/2	25.1	60	96	96	48	62	80	270	301	348

⬠ Weight with SQ enclosure, using Aluminium bodies; ask AVCON for other weights.

### 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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