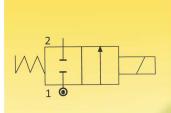




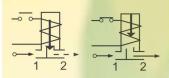
SOLENOID VALVES FOR AUTOMATION

2/2 WAY - NORMALLY CLOSED - DIRECT ACTING TYPE, WITHOUT MANUAL OVERRIDE

SERIES 220A



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



NOTE:

For your requirement of valves with Flameproof Enclosure, please refer to catalogue no. 9210A.

General Description:

Series 220A Solenoid Valves are Direct Acting and DO NOT require minimum pressure to operate. Valves are used on general applications where small overall dimensions and low power consumption is required. Valves are applicable on media such as Water, Air, Light Oil, Inert Gas, etc. provided they are compatible with construction material of the valve.

End Connection:

'G'-ISO-228 (BSP) & NPT.

Max Temperature Range:

For media – Minimum (-)5°C and maximum with Buna Nitrile seating is 80°C; Viton seating 140°C. Max. ambient temperature with Class 'H' coil (+)42°C.

Mounting Bracket:

Mounting Brackets are available as accessory.

Coil:

Series 220A Solenoid Valves are supplied with Class 'H' insulated (180°C) coils; encapsulated in Thermo Plastic, containing 40% Glass fibre. All coils are for continuous service, 100% duty (E.D). Rated voltage tolerances for all AC Coils ±10%/-5% and for DC Supply Coils +10%/-5%. Coils can be used on AC with frequency of 50 Hz to IP 65 as per IEC-60529-2001.

Installation:

Valves can be mounted in any position except "Inverted", preferably in horizontal pipeline with magnetic construction in vertical and upright position.

Series 220A Solenoid valves are not designed

for Back Pressure coming from downstream side.

Approvals:

IP-65 As per IEC-60529-2001, Coil M36-SQ: 220/230V 50/60 Hz, 240V 50/60Hz, 110V 50/60 Hz, 24V DC.

Material:

Coil Type

Valve Body : Brass Stamping to IS-6912

(1/8" & 1/4"),

: ASTM A351 Gr.CF8 (SS304), Optional.: ASTM A351 Gr.CF8M.

Seals(Seating) : Buna Nitrile or Viton.

Tube Nut : For Brass body: Brass tube

nuts; For Stainless

Steel body: AISI 316St.St,

Plunger & Stopper: AISI 430FR St.St. Spring: AISI 302 St.St.,

Shading Ring : For AC: Copper/Al/ Silver,

For DC: No shading ring. : AC – M22-SQ/GP/H,

240, 110 V 50 Hz,

Rating: 5.5 VA DC-M22-SQ/GP/H,24V Rating: 4 Watts

AC – M36-SQ/GP/H, 240, 110V 50 Hz, Rating:18 VA and 24 VDC-M36-SQ/GP/H,

Rating:12Watts.

Application : Textile Machinery, Coffee

Machines, Sterilizers, Wood Working Machines, Electro Medical Equipment, Shoe Manufacturing Machines, Exhaust Gas Analyzers, Scientific Equipment, Automatic Dispensers, Pilot Valves, etc.

NOTE : Manual override not

available.

SPECIFICATIONS:



Series	Size 'G'thr	Orifice Size	Flow Factor Kv	Body Material		Seat		ВТР	Working Pr.(bar) 230V AC 24V DC			Coil Type	Coil Rating		Constr. Ref.	Weigh * kgs	
220A	Inch	mm	M³/hr.					bar	min	max	min	max		VA ~	Watt =	No	rgs
1503	1/8	1.5	0.06	BR	CF8	BN	V	16	0	20	0	20	M22-SQ	5.5	4	599	0.136
2203	1/8	2.2	0.12	BR	CF8	BN	V	16	0	8	0	20	M22-SQ	5.5	4	599	0.136
1506	1/4	1.5	0.06	BR	CF8	BN	V	16	0	30	0	30	M36-SQ	18	12	600	0.285
2206	1/4	2.2	0.12	BR	CF8	BN	٧	16	0	30	0	30	M36-SQ	18	12	600	0.285
3306	1/4	3.0	0.15	BR	CF8	BN	V	16	0	20	0	25	M36-SQ	18	12	600	0.285

^{*}Weight of Brass Body.

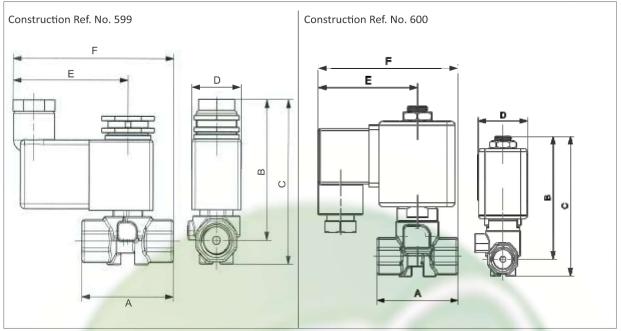
NOTE: Valves suitable for AC and DC supply are different in characteristics and construction.

No Interchanging of coils between DC to AC or AC to DC possible. DO NOT INTERCHANGE COILS.

Minimum details required for submitting offer: Size, Body material, seating, medium name,
Flow (M3/hr), pressure (bar), temp. Deg.C, coil voltage AC or DC., Quantity (Nos), etc.



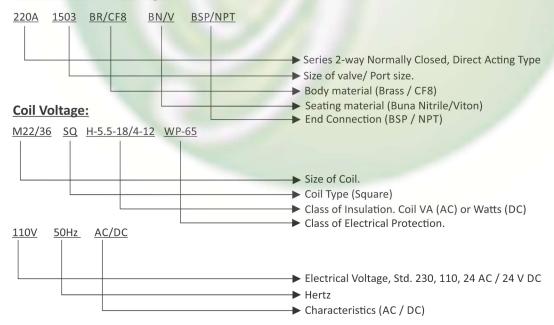




DIMENSION TABLE

CATALOGUE NO	Size (Inch)		APPROX WT.					
CATALOGUE NO.	Size (IIICII)	А	В	С	D	Е	F	(kgs)
220A1503	1/8	30	59	69	22	50	65	0.136
220A2203	1/8	30	59	69	22	50	65	0.136
220A1506	1/4	40	73	83	30	49	69	0.285
220A2206	1/4	40	73	83	30	49	69	0.285
220A3306	1/4	40	73	83	30	49	69	0.285

How to read the catalogue:





Authorised Distributor:

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