

YSV300. 1/8

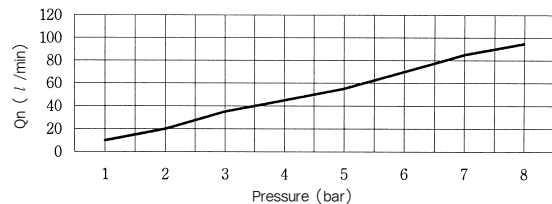
Direct Actuated
Staking Body Valves

- 3/2 - Direct Operation Type
- High Durability
- Orifice ϕ 1.5mm

SPECIFICATION

ITEM	SERIES	
	FUNCTION	
	YSV311	YSV321
	3/2-N.C	3/2-N.O
Fluids	Compressed Air & Inert Gases	
Pressure(bar)	0~8.0	
Orifice(mm)	P = ϕ 1.5, R = ϕ 1.5	P = ϕ 1.5, R = ϕ 1.5
Ambient & Fluid Temp.	5~60°C (41~140°F)	
Response Time(5bar)	20ms or Less	
Max. Working Frequency	8c/sec	
Lubrication	Not Required(Use ISO VG32 #)	
Manual Override	Push Button(Standard), Lever Lock(Option)	
Coil Insulation Class	F-Class or Equivalent	
Permissible Voltage Variation	±10% of Rated Voltage	
Off Min. Residual Voltage	AC:20% or Less / DC:10% or Less	
Power Consumption	Holding-AC:5.5VA(60Hz) / DC:2.5W	

Transition Capacity Graph



The Material of Parts

- Valve Body : Aluminium
- Pilot Parts : Glass Filled Nylon
- Pilot Plate : Zinc Pressure Die-Cast
- Spring : Stainless
- Seals : NBR
- Armature : Stainless Steel
- Armature Seals : Viton

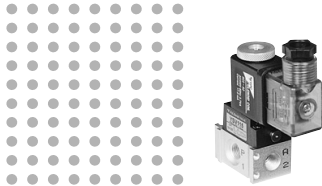
※ The specification on each item can be amended without any prenotice to improve a performance.
※ The specification on each item can be different from actual specification.

**: Voltage Selection (see page 62)

ORDERING NO.

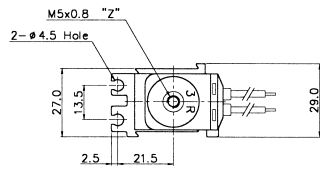
YSV3 1 1 - D P - SC2 - CN2 - A2

Valve Series	Function		Port Size & Thread		Pilot Source		Manual Operator		Solenoid Coil Type		Connector Type		Voltage	
YSV3 : Solenoid Valve	1	3/2 Normally Closed Spring Return	1	G 1/8	D	Direct Operated	P	Push Non-Locking Override	0	None	0	None	0	None
	2	3/2 Normally Open Spring Return	2	NPT 1/8			L	Lever Locking Override	SC2	3 Pin Connector Coil	CN2	Normal Connector	A2	AC 220V
							SG2	Grommet/Flying Leads	CD2	Connector With LED	A1	AC 110V		
							SD2	Grommet/Flying Leads With LED	C22	Connector With LED & Surge Suppressor	A4	AC 24V		
										D4	DC 24V			
													D2	DC 12V

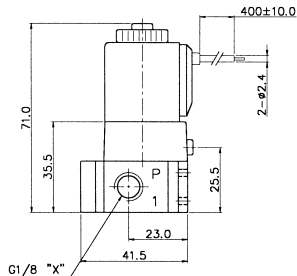
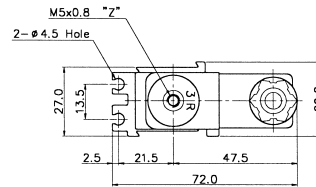


Direct Solenoid Actuated Valves

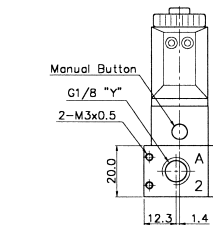
Port Thread 1/8



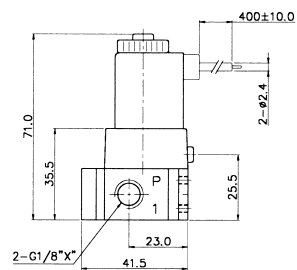
PORT	TYPE	N.C	N.O
X		P(1)	R(3)
Y		A(2)	A(2)
Z		R(3)	P(1)



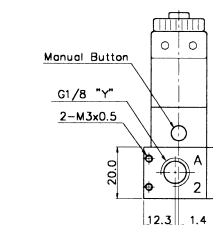
YSV311-DP-SD2-***
Normally Closed



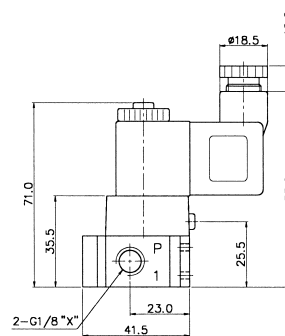
YSV321-DP-SD2-***
Normally Open



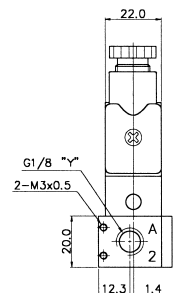
YSV311-DP-SG2-***
Normally Closed



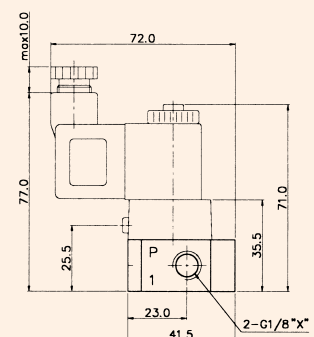
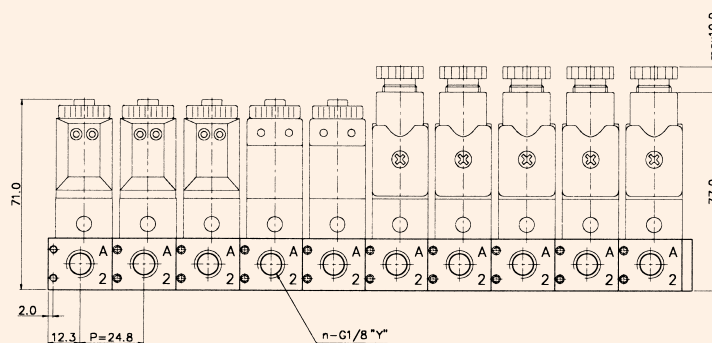
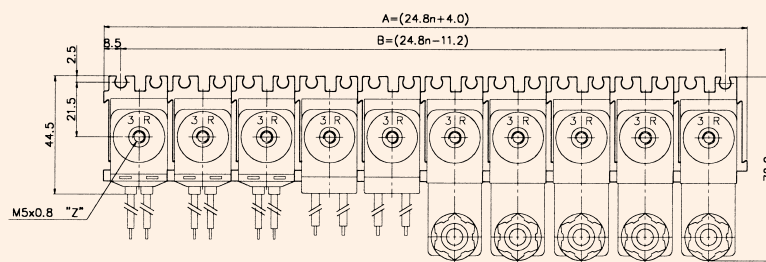
YSV321-DP-SG2-***
Normally Open



YSV311-DP-SC2-CN2-***
Normally Closed



YSV321-DP-SC2-CN2-***
Normally Open



A, B : DIMENSIONS

n = STATION

ITEM	n	2	3	4	5	6	7	8	9	10
A		53.6	78.4	103.2	128.0	152.8	177.6	202.4	227.2	252.0
B		38.4	63.2	88.0	112.8	137.6	162.4	187.2	212.0	236.8